

KÄRCHER

makes a difference



KÄRCHER
Professional

PROGRAMME 2017

Professional



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FOR OUR EVERYDAY HEROES:

Do you enjoy daily challenges? Do you enjoy new tasks? Do you give your all, because you do not do things by halves? Our industries, professions and activities may be different, but we all share the same passion for quality and performance. And have done for over 80 years. Because no job is too difficult for you, we build products that allow you to complete your tasks quickly and easily. The best technology for the best in your profession. For professionals, from professionals.



FOR EVERYTHING. FOR PROFESSIONALS. FOR YOU.



Professionals today do not need general machines that can all do a little, but rather targeted solutions that complete specific tasks efficiently. Preferably a complete solution, as a functional, balanced system. For this reason, we constantly analyse the needs of all relevant industries in order to understand them better and recognise trends at an early stage. The result is innovative and efficient industrial solutions that fulfil their purpose in an exemplary manner. Robust and reliable. Efficient and economical. Lightweight and quiet. Handy and hygienic. That is the Kärcher system.





RETAINING VALUE. WORLDWIDE.

The more Kärcher products you use, the more you get out of them. And the more your customers, the environment, culture – and above all people – get out of them. All over the world, people are increasingly placing their trust in our cleaning systems. In monasteries on the roof of the world and on the facades of the tallest buildings. In stadiums and on world-famous monuments. For archaeological excavations, as well as sport and leisure. Our technology reliably delivers top performance under all conditions. For retaining value, for greater hygiene and health, for greater profitability, efficiency and sustainability. And for making the world not just cleaner, but better.





THE KÄRCHER SYSTEM.

Kärcher's development into a system provider follows the principle of achieving more together. In the company itself, as with suppliers and particularly with end users, solutions that benefit all parties are sought together. For innovative products and services that are combined to create an optimised system: the Kärcher System. Crucially, by using the Kärcher system, the most important – and ideally all – requirements and needs of the customer are completely fulfilled.

As a system supplier, Kärcher does not want to offer anything and everything, but only what operators need for their individual cleaning system. It is not the available range that is decisive, but the actual demand. It is important to have an answer to all questions relating to performance, efficiency and sustainability. A system that consists of machines, accessories, cleaning agents, services and digital solutions that can be easily integrated into operating procedures and adds value. A system that makes a difference: the Kärcher System.





THE BEST SOLUTION ALWAYS HAS A SYSTEM.



Using solar energy efficiently

With the iSolar 800 brush and one of our telescopic lances, you can reach every spot on your photovoltaic or solar-thermal energy system. The RM 99 cleaning agent specially developed for this dissolves any dirt and protects the sensitive solar modules. This increases the efficiency of the system by up to 20%.

Tackling weeds biologically

Removing weeds with chemicals or mechanical methods is less environmentally friendly or very cost-intensive. With our weed nozzle WR 50, you can apply hot water deep down to the roots, effectively and sustainably destroying weeds.

Cleaning and disinfecting with foam

Our cup foam lance with 1-litre container and infinite cleaning agent dosing is handy and versatile. With this, you can lather vehicles and surfaces in the food industry, for example, to achieve first-class cleaning results.

**All-round cleaning**

For stubborn dirt on vehicles and facades, with our rotating wash brushes you can achieve excellent cleaning results even in the low-pressure range. The brush inserts are replaceable.

Optimal preparation of barrels

We have developed the BC 14/12 with integrated suction for all containers and barrels with a bunghole width of at least 50 mm, and specially for valuable oak barrels. Making cleaning faster, more thorough and better for you.

Powerful cleaning of surfaces

If you want to clean large to very large surfaces without spray water, our surface cleaners FRV 30 ME or FRV 50 ME feature a hot water-resistant stainless steel casing, double ceramic bearings and an integrated suction hose connection.

KÄRCHER SERVICES



You manage your business.

We provide the support.

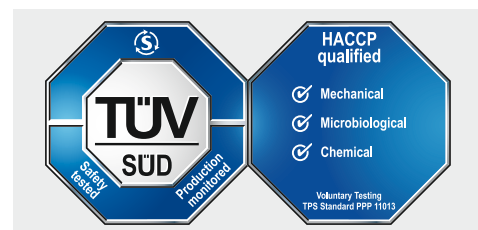
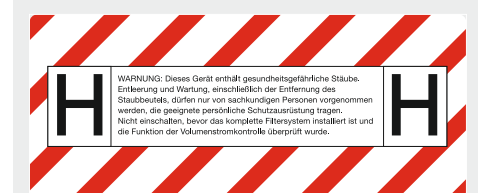
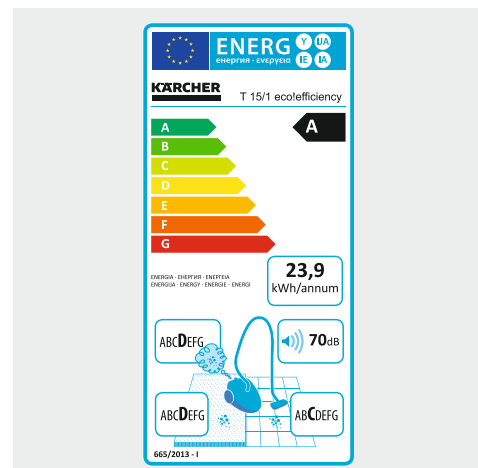
Things can be much easier when people's talents are combined. Because it is simply more successful to pursue common goals, to complement each other, and to learn from one another. One could call it the principle of progress. We call it Kärcher Services. A promise of partnership. From professionals for professionals.

CONNECTED CLEANING



The future of cleaning is now.

With Connected Cleaning, we are developing a digital product portfolio for you in which all elements work together perfectly. In the first step, we are bringing two great digital products together on a joint platform. Combined in a single piece of software, Kärcher Fleet and Kärcher Manage connect the entire infrastructure of your cleaning fleet and generate effective synergies. Take the first step into the world of digitalised cleaning and discover how quickly you can convert hidden potential into savings.





- High Cleaning Efficiency
- Low Energy Consumption
- Low Water Consumption

EFFICIENCY

Certified

FOR A CLEAN ENVIRONMENT

ACC. IEC/EN 62826 and TS EUCle 35000



KÄRCHER

Water dispensers WPD 100, 200, 600

**Drinking water
Quality water***

*Approved by an
accredited laboratory

Approved by an
accredited laboratory

**Hygiene requirements
set out in DVGW
worksheet W 516,
section 4.2***

KÄRCHER

WPD water dispenser

not in machines with thermal disinfection



TRUST HAS TO BE EARNED.

As a professional, you place the highest demands on your machines and equipment: our aim is to meet these demands. But, we would not be Kärcher if we were satisfied with that. Because we are also professionals. And because we want to earn your trust. Time and again. That is why we do more. And you get more. More functionality and efficiency. More solutions and innovative services. More certifications and more sustainability. And with that – simply more success.

Our success as a company has always been inextricably linked with Alfred Kärcher and the values that he personified and put into practice. With his passion for people. And this will not change in the future. Thank you for your trust.

SUSTAINABILITY IS MORE THAN ENVIRONMENTAL PROTECTION.



BLUECOMPETENCE
Alliance Member

Partner of the Engineering Industry
Sustainability Initiative

Less is more. And less can do more

The primary aim of Kärcher eco!efficiency is to reduce the consumption of resources and energy with a cleaning performance that is tailored to specific applications. In order to calculate the possible savings in energy and CO₂ emissions over the service life of the machine and render them comparable, these were calculated based on the example of our T 12/1 and T 12/1 eco!efficiency dry vacuum cleaners. TÜV SÜD Industrie Service GmbH verified and confirmed the plausibility of the methodology for calculating greenhouse gas emissions in the utilisation phase of the T 12/1 eco!efficiency against benchmarks. Based on this methodology, Kärcher calculated that all T 12/1 eco!efficiency dry vacuum cleaners sold to date will save around 6,000 tonnes of CO₂ emissions throughout their service life. All Kärcher eco!efficiency machines in total will save about 2.5 million tonnes of CO₂ emissions.

Working for a better world: BlueCompetence

Blue is the colour of sustainability, which takes into account cost-efficiency, environment and society. The "BlueCompetence" initiative, supported by the Verband Deutscher Maschinen- und Anlagenbau e.V. (VDMA), includes about 400 companies and organisations with one common goal: to ensure quality of life on our planet for years to come.

Do more with less energy

The CO₂ emissions savings of all machines are equivalent to about 1.5 million flights from London to New York*. These figures clearly demonstrate how much energy and emissions can be saved by using Kärcher eco!efficiency cleaning appliances. When it comes to climate protection, less is always more – and achieves more.

* 1.7 tonnes of CO₂ per flight.

Sustainability means conducting business fairly, with a sense of responsibility towards people and the environment. For Kärcher, sustainability is a firmly anchored corporate goal, practised for decades: a sound financial situation and appropriate earnings achieved in fair dealings with others, along with the responsible use of resources.



Climate-neutral cleaning

We cannot produce anything without emissions. But we can completely offset greenhouse gas (CO₂) emissions in order to neutralise their effects on the environment. And you can also do this for your industry. For a small surcharge, you can offset the CO₂ emissions of your Kärcher cleaning appliances so that they are climate-neutral over their entire operating life.

These contributions, yours and ours, are used to fund a certified climate protection project by ClimatePartner: for example, "water treatment in West Kenya" gives millions of people access to clean drinking water. Through the use of filter systems for water treatment, 2.1 million tonnes of CO₂ are saved annually in the form of firewood. At the same time, sustainable jobs for several thousand people are created. A project that is useful for everyone, completely transparent and accountable. Your sales advisor can explain how you can benefit from climate-neutral cleaning.

THE FUTURE IS CONNECTED.

With Connected Cleaning, we are developing a digital product portfolio for you in which all elements work together perfectly. In the first step, we are bringing two great digital products together on a joint platform. Combined in a single piece of software, Kärcher Fleet and Kärcher Manage connect the entire infrastructure of your cleaning fleet and generate effective synergies. Through Connected Cleaning, you get a completely new and transparent information basis. Using this, you can make decisions more easily, increase efficiency and thus work more economically.



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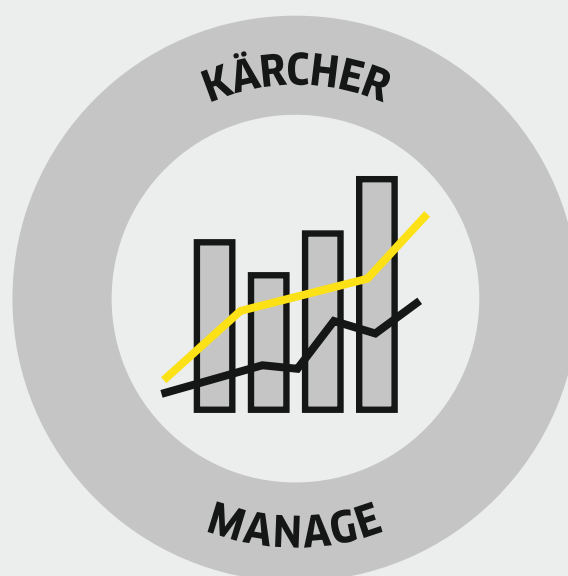
Connected Cleaning



Kärcher Fleet

Fleet management

The professional and forward-looking fleet management solution – Kärcher Fleet provides an extensive overview of machines and cleaning activities. Kärcher Fleet makes cleaning processes far more transparent and efficient. This results in smooth procedures and attractive cost savings.



Kärcher Manage

Facility management

The high-performance management solution for manual cleaning. Easy, fast and precise paperless data acquisition. The benefits are greater transparency and a better result from the outset.

All information on Connected Cleaning and the Kärcher Fleet and Kärcher Manage modules can be found at www.kaercher.com.

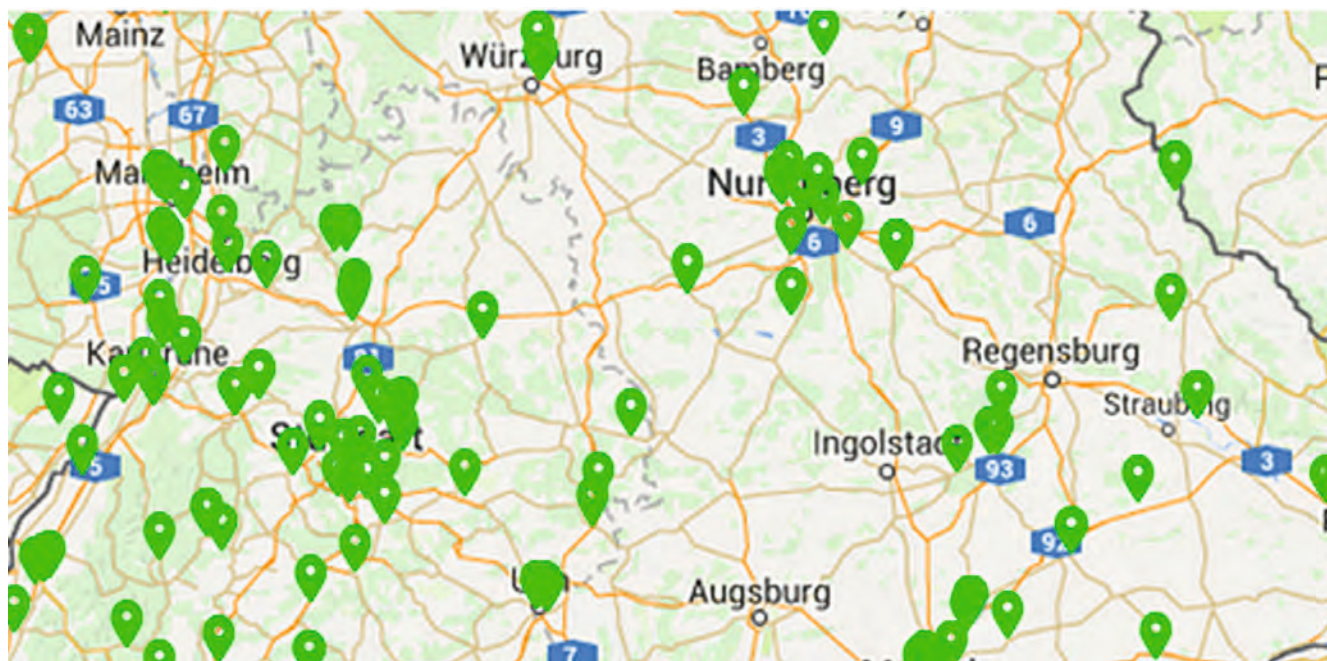
The professional and forward-looking fleet management solution – Kärcher Fleet gives you an extensive overview of your machines, locations and cleaning activities at all times. Kärcher Fleet makes cleaning processes far more transparent and efficient. This results in smooth procedures and attractive cost savings.



Features

Kärcher Fleet Perform

Basic data					
Inventory, Total-Cost-of-Ownership, Service Management	■		■	■	
Further information					
Operating hours, localisation, anti-theft device, geo-search function, capacity utilisation, active notifications if schedules are not met.	■		■	-	
All information					
Machine status, battery status, remote service	■		-	-	
Examples of machines	BR 45/22*	on request	BD 50/40 RS**	2.111-111.0	Every machine , e.g. including vacuum cleaners and other equipment
Order No. for Kärcher Fleet Retrofit Kit	B 40 C/W*	2.643-348.0	BR 55/40 RS**	2.111-111.0	
	B 60 W*	2.643-348.0	B 90 R**	2.111-111.0	
	B 80 W*	2.643-348.0	BD 100/250 R**	2.111-111.0	
* All machines are configurable ex-works	B 95 RS*	2.643-380.0	B 140 R**	2.111-111.0	
** Upgrade required	B 120 W*	2.643-353.0	KM 100/100 BAT**	2.111-111.0	
	B 150 R*	2.643-310.0	KM 100/100 LPG**	2.111-111.0	
	BD 50/70 R Classic*	on request			
	B 250 R*	on request	Third-party machines**	2.111-111.0	
	KM 105/100*	2.643-381.0	Other machines available		
	KM 105/110*	2.643-381.0	on request.		
	KM 125/130*	2.643-381.0			
	WPD Advanced*	on request			
	CB and SB MB/MU gantry car washes*	on request			



1 Increased profitability

The principle and uses of Kärcher Fleet are based on machine data that is processed to become useful management information. Optional preventive servicing considerably reduces downtime. Machines can be used more efficiently and are available when needed. The coordination of transport and utilisation at different locations is optimised, saving time and resources.

2 Simple planning and control

Fleet operators can view the fleet status at any time to see if machines are operating perfectly and according to schedule, if cleaning times are being observed, if servicing or repairs are needed, and much more. Detailed information is available directly from the overview with just one click. Kärcher Fleet transmits data virtually in real time, allowing the optimisation of fleet utilisation capacities or corrections to be made, if necessary, almost immediately.

3 Complete documentation

Kärcher Fleet allows the preparation of reports at any time through automatic storage and archiving of machine data and fleet information. Prepared reports can be displayed, exported and printed out at the click of a mouse. Information on services provided is therefore available at any time.

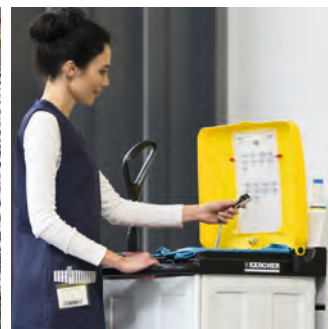
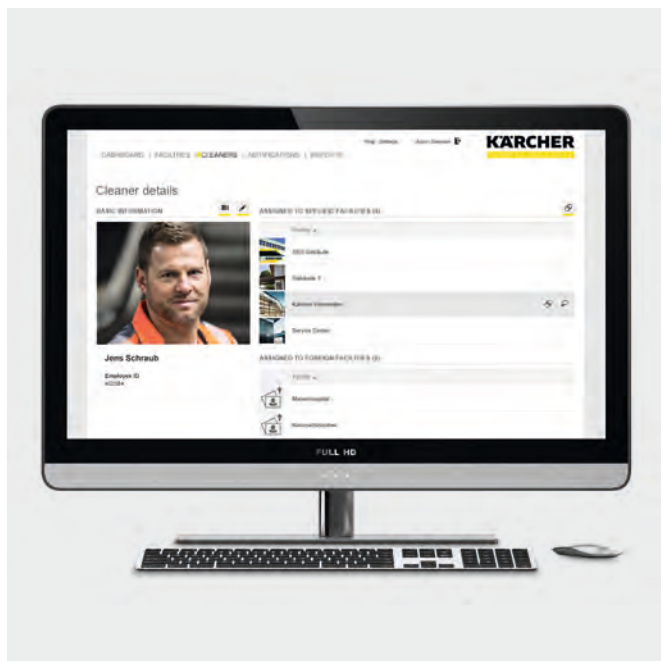
4 Immediately ready to use - without installation

Kärcher Fleet provides fleet operators with an extensive overview of all machines in the fleet at all times. This also applies (with restrictions) to machines from other manufacturers. Access to the web-based Kärcher Fleet only requires an Internet connection. The telematics box sends all information securely encrypted and with modern transmission standards to a global server cloud. Authorised users can conveniently gain access to all relevant data and evaluations via this cloud. It could not be easier.



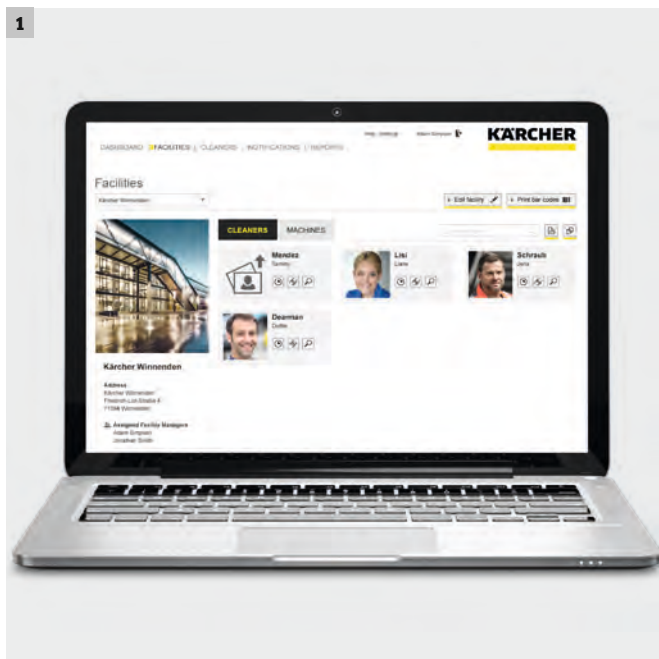
KÄRCHER MANAGE: WE PROVIDE THE INFORMATION.

With Kärcher Manage, the next step in the evolution of the tried-and-tested ECO!Manager, you always have a complete and up-to-date overview of: manual cleaning activities, working hours and quality checks, as well as property damage. All relevant data are transmitted online and are then available immediately. Manual cleaning has never been so transparent.



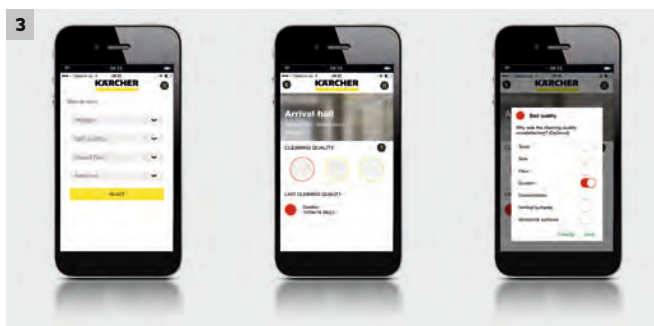
With Kärcher Manage you can easily optimize facility management processes and even more.

- Manage and optimise your manual cleaning processes with Kärcher Manage.
- Electronic data recording instead of manual documentation.
- Recording and mobile transmission of work and cleaning times.
- Simple read-out and charging of the scanners on the Kärcher Manage docking station.
- Measurable quality thanks to specific reports.
- Analysis and reporting of cleaning times.
- Individual barcodes for fast and precise documentation.
- Easy assignment of cleaning personnel to buildings.
- Detailed overview of all performed and outstanding room inspections.
- Damage reports as an additional service to customers: stored barcodes allow direct recording of defects on site and automatic notification of Facility Management by email.
- Display of additional cleaning activities.
- Generation of reports as Excel or PDF files.



1 Kärcher Manage web portal

- Easy web portal access for facility and branch managers.
- Current status queries on attendance, cleaning activities, work times, quality checks.
- Creation of reports and statistics by the branch and facility manager.
- Optimised documentation and information processes.
- Easy facility preparation using barcodes and recording via scanner during cleaning.
- Redesigned interface for intuitive operation.
- Management of cleaning personnel and fleet machines on a single platform.

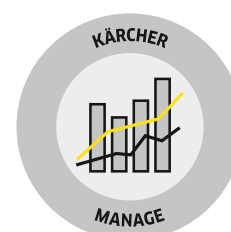


2 Kärcher Manage hardware

- Kärcher Manage docking station: automatic data transfer and simultaneous recharging of up to 10 USB scanners.
- Integrated telematics unit for the intelligent transmission of recorded scan data, so a PC is not necessary.
- Handy and robust scanners for data recording.

3 Kärcher Manage Facility Manager App

- Efficient quality checks via App by the facility manager.
- Creation of buildings and rooms.
- Selection of quality criteria.
- View of last quality check, including quality criteria.
- Available for Android (from version 4.4) and iOS (from version 8.0).



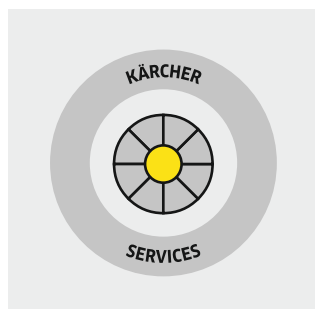
YOU MANAGE YOUR BUSINESS. WE PROVIDE THE SUPPORT.

Things can be much easier when people's talents are combined. Because it is simply more successful to pursue common goals, to complement each other and to learn from one another. One could call it the principle of progress. We call it Kärcher Services. A promise of partnership. Our promise to you.

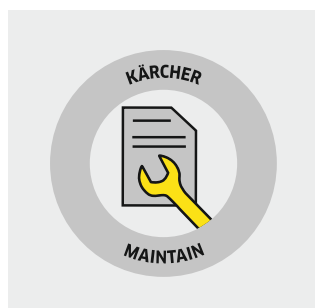


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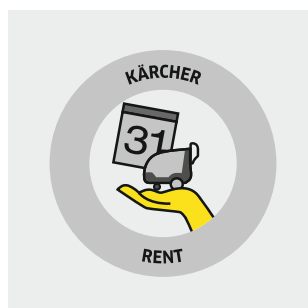


Kärcher Services:



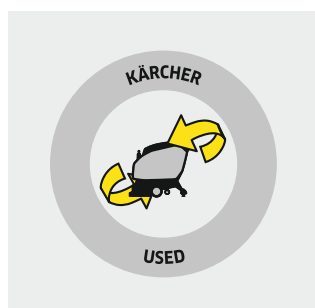
Kärcher Maintain service packages

Every service package is exactly tailored to suit specific needs. The range of services includes inspections as part of prescribed safety tests, timely servicing and flat-rate full service.



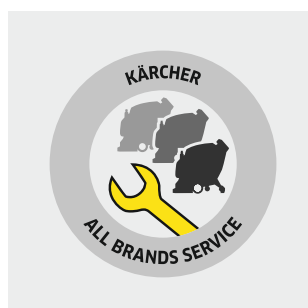
Kärcher Rent

Precisely the right machine you need. Rent instead of buying. And get more: know-how and the Kärcher Full Service package.



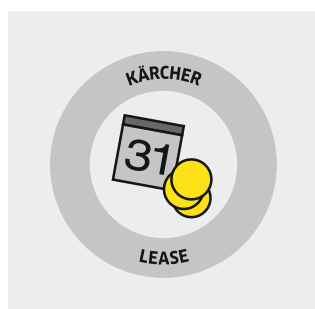
Kärcher Used machines

If used is what you need. Starting up? Or simply just want to save costs? We have the right used machine for you. Used, generally reconditioned, good and affordable. Offers are constantly changing. Ask us.



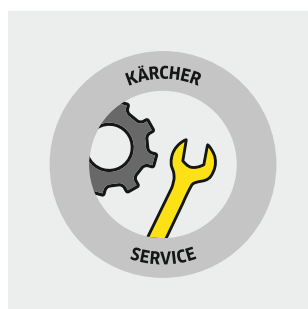
Kärcher All Brands Service

Service and repair from a single source for your entire machine fleet – regardless of manufacturer and anywhere in the world. Service for all machines according to Kärcher standards. Service you can rely on.



Kärcher Lease Leasing

Tailor-made. Flexible. Safe. We provide the flexibility you need: with leasing and financing models for all requirements.

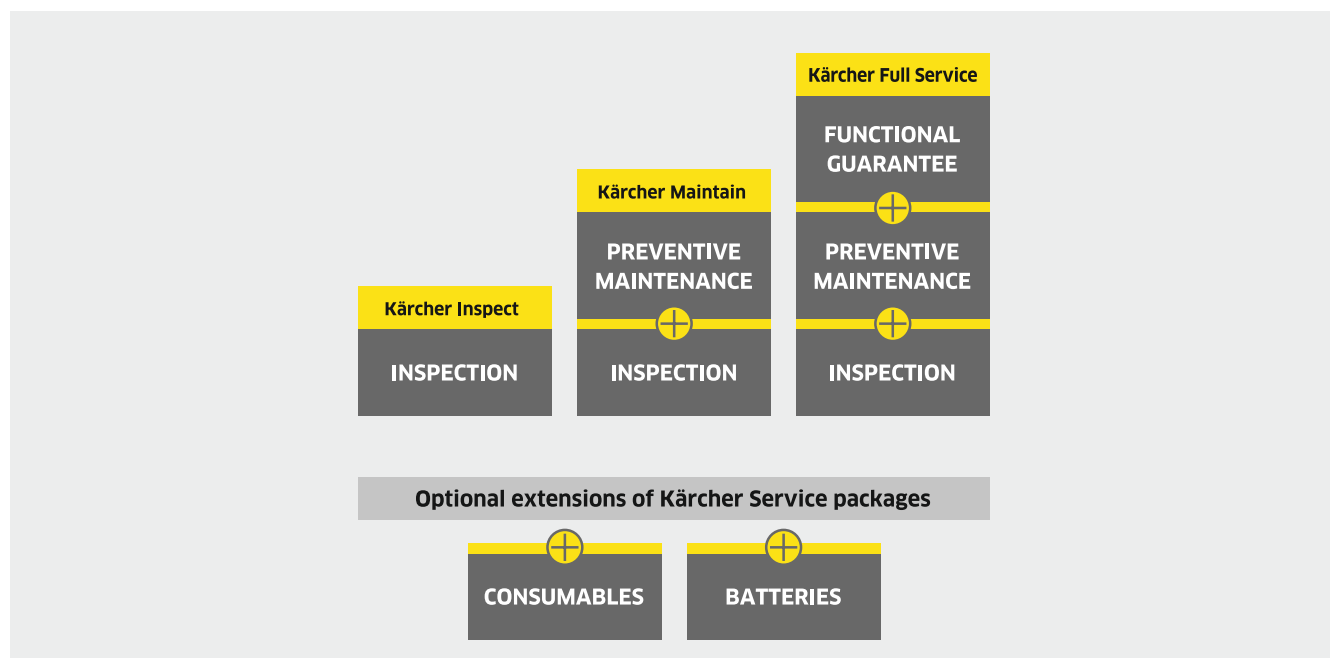


Kärcher Service Customer service

Service means trust. At all times. Services you really need. Fast reaction for maximum availability. Maximum value retention and compliance with all statutory requirements.

KÄRCHER MAINTAIN: THE BEST FOR YOU AND YOUR MACHINE.

We have developed the Kärcher Maintain service packages so that your machines are ready to use at any time. These bring together our combined technical expertise and in-depth application knowledge to create optimal solutions. You can choose freely between the packages and various additional options. In this way, you get precisely the services that best meet your individual demands.



Every service package is tailored precisely to suit your specific needs. The range of services includes inspections as part of prescribed safety tests, timely servicing and flat-rate full service. Additionally, you can expand each package with services like battery servicing and/or consumables, depending on your requirements.

Service packages	Order No.	Inspection	Preventive maintenance	Function guarantee	Batteries	Consumables
Kärcher Inspect	2.888-058.0	■	-	-	-	-
Kärcher Inspect with consumables	2.888-073.0	■	-	-	-	■
Kärcher Inspect with batteries	2.888-074.0	■	-	-	■	-
Kärcher Inspect with consumables and batteries	2.888-075.0	■	-	-	■	■
Kärcher Maintain	2.888-059.0	■	■	-	-	-
Kärcher Maintain with consumables	2.888-060.0	■	■	-	-	■
Kärcher Maintain with batteries	2.888-076.0	■	■	-	■	-
Kärcher Maintain with consumables and batteries	2.888-077.0	■	■	-	■	■
Kärcher Full Service	2.888-061.0	■	■	■	-	-
Kärcher Full Service with consumables	2.888-062.0	■	■	■	-	■
Kärcher Full Service with batteries	2.888-078.0	■	■	■	■	-
Kärcher Full Service with consumables and batteries	2.888-079.0	■	■	■	■	■



1 Kärcher Inspect

The Kärcher Inspect service package includes regular, legally prescribed safety tests. Your machine receives an inspection tag and you receive the inspection report which shows the machine's condition. This allows you to always be on the safe side, and you will also be competently advised by our service technicians.

2 Kärcher Maintain

Kärcher Maintain also includes, in addition to the scope of Inspect, the preventive replacement of specific wear parts as part of the regular service. This means that machine breakdowns can be avoided, the service life of the machines can be extended and you save valuable time and money. We only use original Kärcher spare parts.

3 Kärcher Full Service

With the Kärcher Full Service package, in addition to the scope of Maintain you also get a functional guarantee which covers the safe, economical and reliable operation of your machine. This maximises your machine's availability and minimises downtime. If your machine does break down, we will repair it as quickly as possible. With Kärcher Full Service, you have full cost control over the entire contract term.

4 Optional service package upgrades

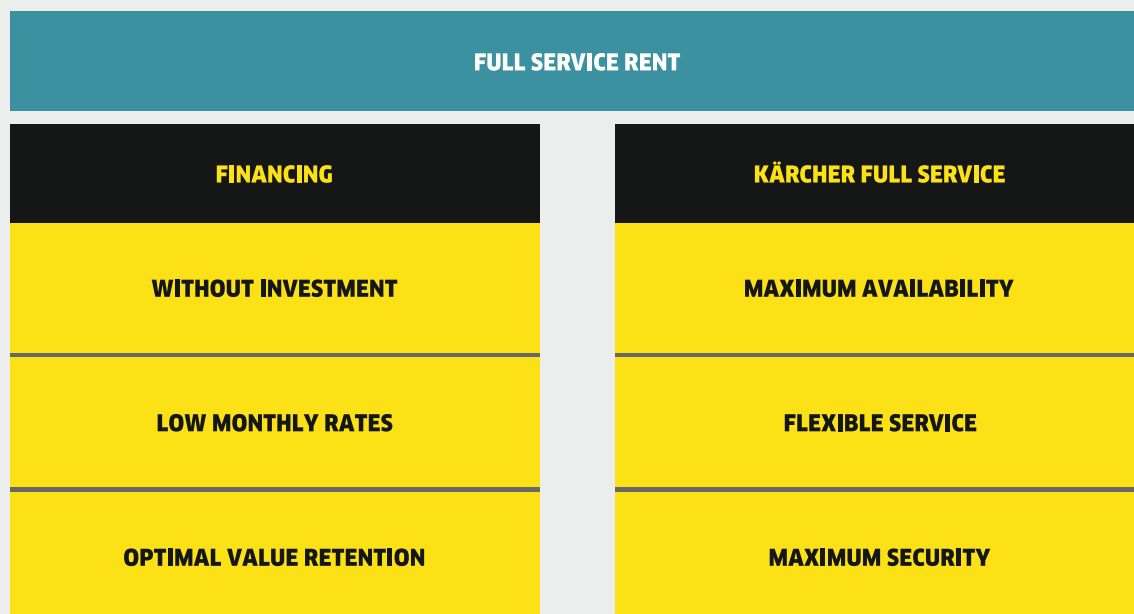
You can expand each service package individually with additional services. For example, you can choose a battery service and/or the delivery of consumables. This means that you are covered for all eventualities and can enjoy Kärcher quality to the full.



KÄRCHER RENT: WE PROVIDE THE FLEXIBILITY.

Working successfully needs more than expertise. It calls for a solid financial foundation, and a forward-looking and flexible approach. Efficient, reliable machines. And services that ensure that everything goes according to plan. All this with minimal effort and expenditure and preferably from one source. Kärcher Full Service Rent combines financing and services that are exactly tailored to suit your specific requirements. So that you can save time and work and concentrate fully on your daily business.

1



Invest without using your own capital

No need to use your own capital and exceed your borrowing limit. Full Service Rent preserves your cash resources. Instead of paying the entire purchase costs, you only pay for the actual use over the term or operating hours.

Immediate deduction instead of collecting receipts

Monthly payments are fully tax deductible operating expenses. In this way, there is only one amount, one receipt and one booking entry.

No risk - at any time

There are no purchase costs or depreciation when selling the machine. Simply renew your machines and enhance your corporate image. Kärcher Full Service Rent offers the benefit of always having a reliable and perfectly functioning machine.

Functional guarantee - included

Your financed Kärcher machine is always available and ready to use. Always and anywhere. In the event of a fault, we ensure that work can continue as quickly as possible - by repairing, loaning or replacing the machine.

Preventive servicing - included

A Kärcher service engineer will service your machine at defined intervals according to strict Kärcher standards and replace wear parts as a precaution to ensure continuous availability.

Safety through inspection - included

As part of regular inspections, the legally prescribed safety tests are carried out.

Full cost control

Kärcher machines including a complete first-class service are available at low monthly rates. Not a luxury, just good sense. And very reassuring.



KÄRCHER USED: THE BENEFIT OF EXPERIENCE.

You rely on your Kärcher machine every day, even if it has been in use for a few years. Our used machines have earned the same trust. As has Kärcher Used Equipment GmbH, because we are a wholly owned subsidiary of Alfred Kärcher GmbH & Co. KG. We specialise in the professional, cost-oriented preparation and worldwide distribution of Kärcher used machines.



1 Ready for a second life

In our complete range you can find the right solution for every one of your cleaning tasks. From the scrubber drier to the high-pressure cleaner and vacuum cleaner. With fast delivery and precisely the service you need. You receive machines from us with a warranty directly from the manufacturer. Because we know the full history, technical condition and particularities of each individual machine that we offer you. Our used machines are maintained exclusively with original Kärcher parts according to the Kärcher factory standard and comply with the statutory requirements.



2 Service like new

Experience the same service you associate with new machines. With Leasing, Full Service or any other service option you select, you receive the same services and the same attention that you are accustomed to with your new machine. Just let us know what you need. We will give you an individual consultation and provide you with a free, tailor-made quote.

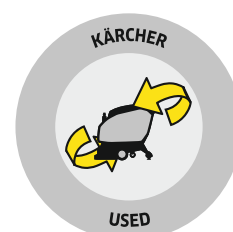
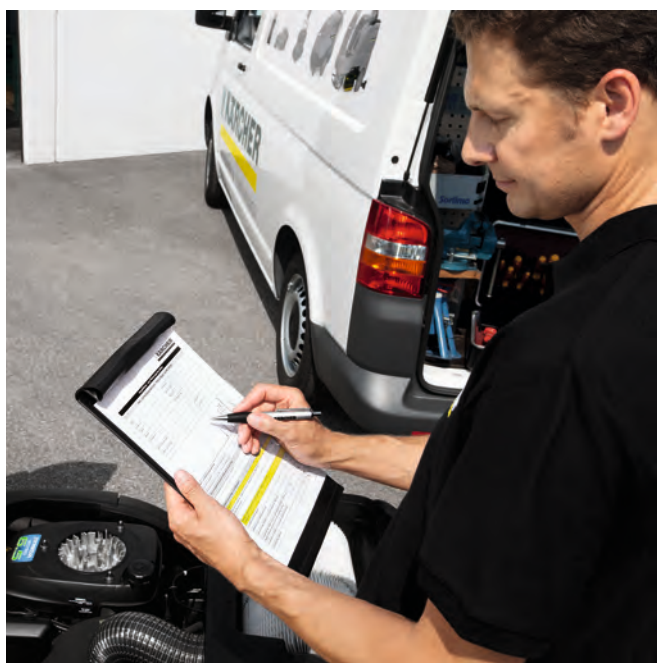


What makes used equipment so interesting

- Lower investments with faster amortisation.
- High machine availability, even if you do not use it constantly.
- Replacement machine for emergencies or spontaneous need.
- Save money without compromising on quality.
- Guaranteed Kärcher quality.
- Safety through warranty.
- Top price/performance ratio.

Trust from experience

The Kärcher name stands for trust. As a customer of Kärcher Used Equipment, you have unlimited access to the global Kärcher service network and the quick-response Kärcher customer service. Kärcher is Kärcher. In this one exceptional instance, the difference makes no difference.



KÄRCHER ALL BRANDS SERVICE: SERVICE FOR ALL BRANDS.

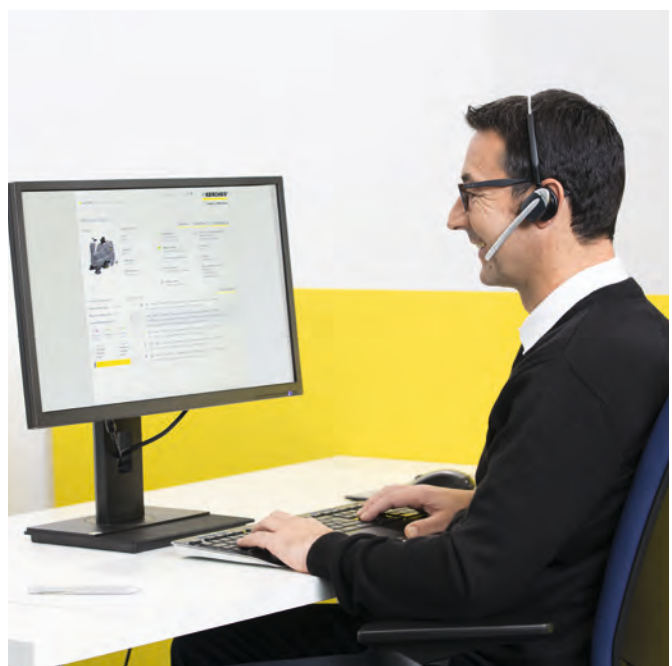
Would you like the full service for all machines from a single source, but have machines from manufacturers other than Kärcher in your fleet? Then use our Kärcher All Brands Service for the repair and servicing of machines from other manufacturers. Just as you would expect from our service: competent, reliable and fast.



Over 800 expertly trained service technicians are there for you in 60 countries. Regardless of the machines and brands in your fleet, we will take care of it all. Without any difference and in compliance with all standards. And of course, the prescribed safety inspections are also included. With our Kärcher expertise as a global market leader, we can provide the best possible service for your entire fleet. While you concentrate on your business, we make sure that your machines are working. And you have one contact partner for everything – for services and repairs, for spare and wear parts, for accessories and cleaning agents.



You can also use your Kärcher Service App for all machines and submit service requests 24/7. And if you would like to make full use of the great opportunities of digitisation, we can connect your entire fleet, regardless of the brands. Kärcher Connected Cleaning opens up the world of networked cleaning to you. The Kärcher Fleet and Kärcher Manage modules combine the entire infrastructure of your cleaning fleet on a single platform: manual cleaning activities and machines, locations of use, use planning, reporting and services. Available anywhere and at any time online.



CREATE SUCCESS FROM PURE WATER!

Drinking water is of vital importance. Each person requires 2 to 3 litres of water daily in order to stay active and healthy. With our WPD water dispensers, you can produce natural-tasting water in drinking water quality: chilled or ambient, sparkling or hot. Directly from the mains supply and guaranteed hygienically pure. But in many regions of the world, drinking water is not available, or not available in sufficient quantities. With our WPC water treatment systems, you can create clean drinking water from any water. Also in combination with our water dispensers.



Table of contents: Drinking water

Water dispensers
Water treatment

Page 40
Page 46



WPD 50 - for a new water class

Our WPD 50 is the new Middle class water dispenser and rounds off our water dispenser range perfectly. The space-saving machine is ideal for installation locations with limited space and delivers chilled and ambient water. You will love the intuitive operation with the capacitive buttons.

WPC 120 UF / WPC 100 RO / WPC 80 RO

When tap water is not drinking water or there is no tap water available, you can simply produce your drinking water yourself. Everywhere and in unlimited quantities. With our new WPC water treatment systems, you can create clean drinking water from any water. With our WPC machines, you have the right solution for every application. Free-standing or under the sink or integrated into a WPD 100 or WPD 200.

How to read the unit names:

Model	Filter capacity	Filter type
Example: WPC	100	RO
WPC = Water Purifier Commercial	Litres per hour	RO = Reverse Osmosis
WPD = Water Purifier Dispenser		UF = Ultra Filtration



1 Our water dispensers – water in a class of its own

Potable tap water is good. Water from a Kärcher WPD water dispenser is better. Water for life. Thanks to its unique filter and hygiene concept, our WPD produces water of the highest quality around the clock. Depending on the machine, there is a choice of ambient, chilled, sparkling or hot water at the push of a button. Hygienic, calorie-free and pure. We achieve this through automatic thermal disinfection, a water dispensing valve with contact protection and the innovative filter concept consisting of Active Pure filter and Hy-Protect filter. The Active Pure filter ensures that the water tastes pure. The Hy-Protect filter works with ultra filtration without the addition of chemicals. Its fine-pore membrane reliably filters out bacteria and viruses.



2 Clean drinking water – whenever and wherever it is needed

Our WPC water treatment systems provide you with pure drinking water, regardless of the quality of your tap water. Through the use of sophisticated, tried-and-tested technology which is highly reliable, the product is constantly pure drinking water. You can use your versatile WPC practically anywhere, for example in combination with a Kärcher WPD water dispenser or under a sink with a pillar tap.

WATER DISPENSER WPD 100 / 200 / 600



Stand-alone unit



Table top unit



Made in Germany

Simply unique: custom-made water dispensers

The configurable water dispensers can be individually tailored to different customer requirements (e.g. country, target group, installation site) in terms of cooling capacity, electronic functionality and product features.



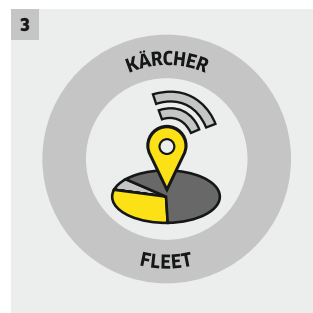
1 A real eye-catcher

- Available in white or black.
- Individually printable glass panel – ideal as a free advertising surface or for displaying your company logo.
- Water dispensing area with LED lights.
- Extra-high water dispensing area.



2 Healthy water from a constantly pure, hygienic source

- All water-conducting pipes, the heating and cooling module, ultra filter and output valve are regularly disinfected automatically with hot water – without the use of chemicals.
- Bacteria and viruses are reliably killed. Rinsing after disinfection takes place automatically, without any effort, and can be set to run at any time.
- Kärcher's patented thermal disinfection offers maximum safety.



3 All important information at a glance

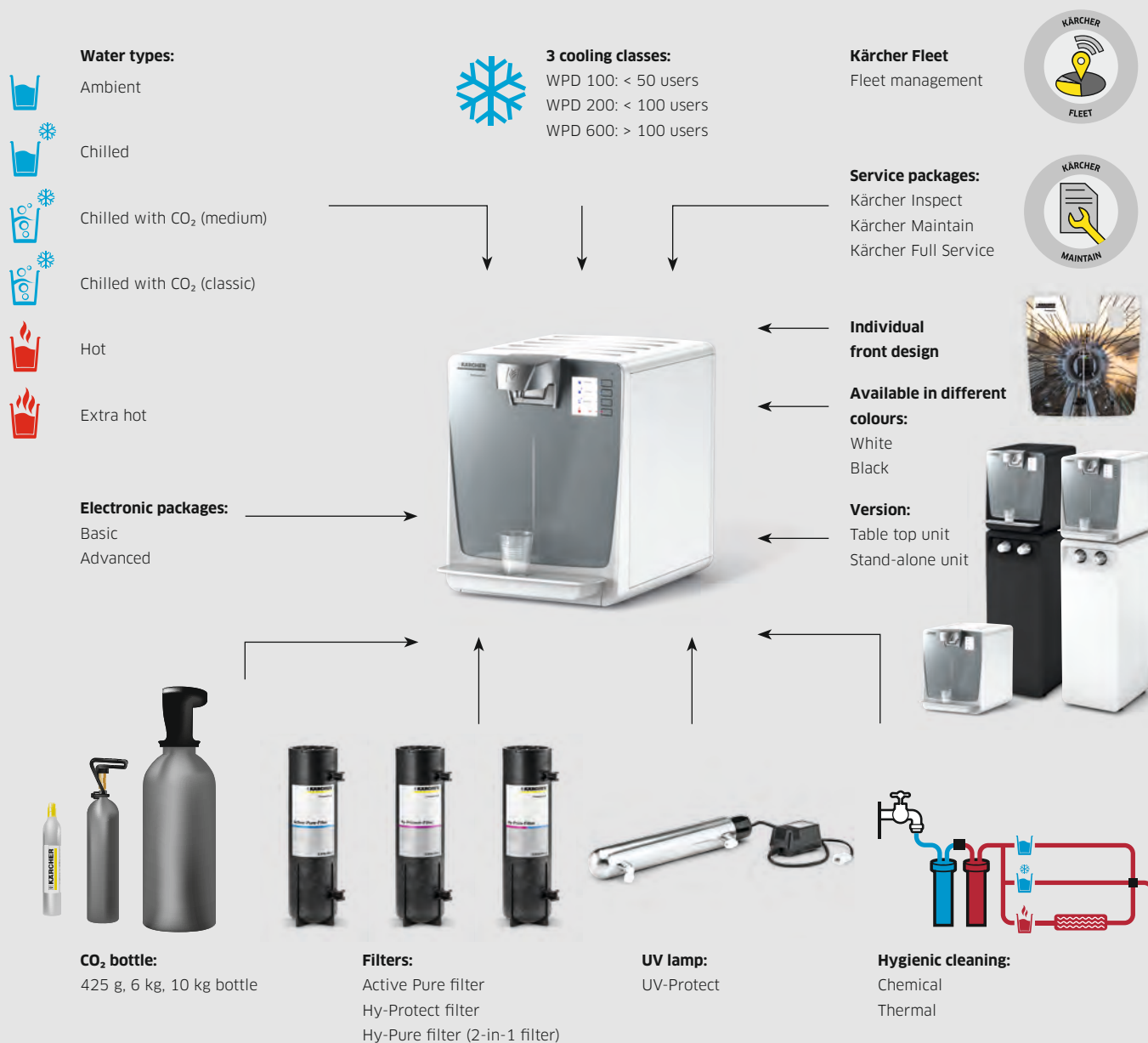
- Advanced package: using the high-resolution colour display, you can adjust the dispensing quantity, CO₂ intensity and water temperature. The display informs you when the filter needs to be replaced and of the CO₂ supply.
- Kärcher Fleet M2M* communication establishes direct communication between the water dispenser and a PC or smartphone. You have comprehensive monitoring options which allow you to avoid unnecessary service work. (*Machine-to-machine)



4 Easy CO₂ supply

- In the WPD 100, you can use any standard 425 g bottle of CO₂.
- The smallest 425 g bottle of CO₂ is enough for over 60 litres of sparkling water.
- The bottle is easy to change in the machine.
- Empty CO₂ bottles can be refilled – do your part to protect the environment.

AS INDIVIDUAL AS GOOD TASTE



Water type

Depending on the electronics package, there are up to 6 different water types to choose from: ambient, chilled, chilled with Medium (lightly sparkling) or Classic (strongly sparkling) CO₂, as well as hot and extra hot.



Colour variations

In pure white and classic black, the WPD stands out in any surroundings.



Filter combination

Choose the best combination for your requirements: Active Pure filter, Hy-Protect filter, Hy-Pure filter or UV-Protect.



Individual front design

The glass panel can be designed with customer-specific background (e.g. colours of the company's CI) or used as a free advertising surface.

TOP PATENTED TECHNOLOGY GUARANTEES THE HIGHEST QUALITY



		WPD 600		WPD 200		WPD 100	
		Adv	Basic	Adv	Basic	Adv	Basic
Technical data							
Supply voltage	V/Hz	220-240 / 50	220-240 / 50	220-240 / 50	220-240 / 50	220-240 / 50	220-240 / 50
Sound pressure level	dB(A)	45	45	45	45	45	45
Water quantity, ambient	l/h	120	120	120	120	120	120
Water quantity, still, chilled	l/h	80	80	40	40	20	20
Water quantity, still, hot	l/h	10	-	10	-	10	-
Hot water temperature	°C	80-95	-	80-95	-	80-95	-
Water quantity, chilled with CO ₂	l/h	80	80	40	40	20	20
CO ₂ content in the water	g/l	4.5 (Medium) 6.5 (Classic)	6.5 (Classic)	4.5 (Medium) 6.5 (Classic)	6.5 (Classic)	4.5 (Medium)	4.5 (Medium)
CO ₂ bottle size in table top unit	kg	-	-	-	-	0.425	0.425
CO ₂ bottle size in stand-alone unit	kg	max. 10	max. 10	max. 10	max. 10	max. 10	max. 10
Weight, table top unit	kg	-	-	35	35	30	30
Weight, stand-alone unit	kg	65	65	50	50	45	45
Dimensions table top unit (L x W x H)	mm	-	-	465 x 365 x 528	465 x 365 x 528	465 x 365 x 528	465 x 365 x 528
Dimensions stand-alone unit (L x W x H)	mm	1432 x 365 x 528	1432 x 365 x 528	1432 x 365 x 528	1432 x 365 x 528	1432 x 365 x 528	1432 x 365 x 528
Water outlet height	mm	300	300	300	300	300	300
Number of users		> 100	> 100	< 100	< 100	< 50	< 50
Order No.		1.024-920.2	1.024-920.2	1.024-920.2	1.024-920.2	1.024-920.2	1.024-920.2

CONFIGURATION OPTIONS

	WPD 600		WPD 200		WPD 100	
	Adv	Basic	Adv	Basic	Adv	Basic
Configuration options						
Versions						
Table top unit	-	-	■	■	■	■
Stand-alone unit with base and cup dispenser	■	■	□	□	□	□
Casing colour, white	□	□	□	□	□	□
Casing colour, black	□	□	□	□	□	□
Water type						
Water, ambient	■	■	■	■	■	■
Water, still, chilled	■	■	■	■	■	■
WPD, Medium CO ₂	□	-	□	-	□	□
WPD, Classic CO ₂	□	□	□	□	-	-
Water, hot	□	-	□	-	□	-
Water, extra hot	□	-	□	-	□	-
Water treatment						
2 filters or filter + UV lamp available						
Active Pure filter (active carbon filtration)	■	■	■	■	□	□
Hy-Protect filter (ultra filtration)	□	□	□	□	□	□
Hy-Pure filter (2-in-1 filter)	-	-	-	-	□	□
UV-Protect (UV lamp)	-	□	-	□	-	□
Thermal disinfection	■	-	■	-	■	-
Chemical cleaning	-	■	-	■	-	■
WPC 100 RO drinking water production	-	-	□	□	□	□
Electronic equipment						
Multifunction colour display	■	-	■	-	■	-
Display, filter replacement	■	-	■	-	■	-
Display, CO ₂ bottle change	■	-	■	-	■	-
Adjustable portion size	■	-	■	-	■	-
Adjustable CO ₂ intensity	■	-	■	-	■	-
Adjustable hot water temperature	■	-	■	-	■	-
Error indication	■	■	■	■	■	■
Interface for Kärcher Fleet services (M2M communication)	□	-	□	-	□	-
Illuminated dispensing area	■	-	■	-	■	-
Accessories						
Drip tray draining	□	□	□	□	□	□
Drink accessories (jugs, carafes, bottles, cups, etc.)	□	□	□	□	□	□
Cup dispenser (in base)	■	■	□	□	□	□
Waterblock leak protection	□	□	□	□	□	□

■ Standard equipment □ Option - not available

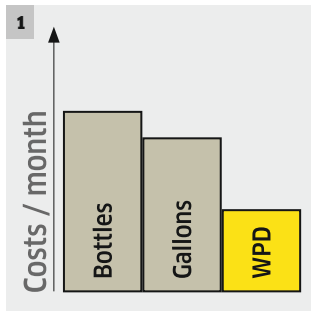
WATER DISPENSER WPD 50



Small, affordable – the perfect entry-level machine

Our new Middle class water dispenser is ideal for use in confined spaces. Active carbon filters and UV lamp ensure that the dispensed still water is pure and free from bacteria and viruses – chilled or ambient.

DRINKING WATER



1 Affordable enjoyment

- No handling and transport costs compared with gallon or bottled water.
- More space available for things more important than gallon bottles.
- Affordable.



3 Pure enjoyment – the healthy and safe choice

- The Active Pure filter ensures that water tastes pure by removing chlorine and heavy metals.
- UV lamp: UV-Protect kills bacteria and viruses.
- Chemical cleaning of all water-conducting lines, the cooling module and water dispensing valve.



2 Compact design

- The perfect fit where there is limited available space.
- Intuitive operating concept with easy-to-read sensor buttons.
- Clearly recognisable dispensing area for optimal positioning of the drinking vessel.

4 Self-service possible

- Easy access to all components allows self-service.
- Self-service saves unnecessary service work, which also saves money.

TECHNICAL DATA AND EQUIPMENT

WPD 50

- Space-saving and compact
- Intuitive operation via user-friendly icons

Technical data

Supply voltage	Ph / V / Hz	1 / 220-240 / 50
Rated input power	W	200
Inlet temperature	°C	5-30
Water quantity, cooled		-
Water quantity, ambient	l/h	85
Water quantity, still, chilled	l/h	15
Water outlet height	mm	290
Dimensions (L × W × H)	mm	350 × 300 × 400

Equipment

Hygienic cleaning	Chemical
“Active Pure” active carbon filter	■
“UV-Protect” UV lamp	■
Water dispensing valve with contact protection	■
Positioning aid for the drinking vessel	■
Drip tray with fill level display	■
Order No.	1.024-404.0
Price	

■ Included in delivery.

WATER TREATMENT WPC 100 RO



Providing clean drinking water where there is none

Unfortunately, clean and potable tap water is not a given in many regions. Our compact water treatment system WPC 100 RO is a remedy for this and, using the principle of reverse osmosis, provides pure drinking water wherever it is needed. In doing so, it produces around 70% less waste water than comparable competitor products.

NEW

1



2



1 WPC 100 RO – integrated into a water dispenser

- Allows you to use water dispensers even in regions without drinking water from the tap.
- Reverse osmosis solution for the WPD family.
- Proven and safe principle.
- Pure drinking water, wherever it is needed.

2 WPC 100 RO – directly in the sink

- Space-saving, fits under any household sink.
- Pure drinking water for cooking and drinking.
- Easy and intuitive operation.
- Works in combination with a WPD or as an individual solution.

WPC 100 RO

- 5-stage membrane filtration
- No storage tank required
- Space-saving

Technical data

Filter capacity	l/h	Up to 100
Water inlet pressure	MPa (bar)	0.10–0.30 (1–3)
Max. water inlet temperature	°C	5–38
Weight	kg	13.5
Dimensions (L × W × H)	mm	240 × 372 × 530
Operating voltage	V/Hz	110–240 / 50/60
Connection load	W	80

Equipment

Includes pillar tap and connection materials	
Order No.	1.024-510.0
Price	

WPC 120 UF / WPC 80 RO WATER TREATMENT

Clean drinking water. Without a lot of technology.



Wherever tap water is not potable, our water treatment systems use modern ultra filtration or reverse osmosis to produce hygienically pure drinking water. All systems can be operated without a storage tank and work extremely economically. Our RO reverse osmosis models produces around 70% less waste water than comparable products.

NEW

DRINKING WATER



1 High-quality ultra filtration – WPC 120 UF

- Ultra filtration removes particles >0.02 µm.
- 3-stage membrane filtration removes 99.9999% of bacteria and other pathogens, and 99.95% of viruses.

2 WPC 80 RO

- 0.0001-µm extra-fine filtration produces pure drinking water.
- Integrated water supply as a closed system for the best drinking water quality.
- Without a pump, without electronics, without a tank. Simple, reliable and maintenance-friendly.

WPC 120 UF

WPC 80 RO

- 3-stage membrane filtration
- Without electronics
- Space-saving

- 3-stage membrane filtration
- Without electronics and storage tank
- Space-saving

Technical data

Filter capacity	l/h	120	80
Water inlet pressure	MPa (bar)	0.1-0.4 (1-4)	0.1-0.6 (1-6)
Max. water inlet temperature	°C	5-38	5-38
Weight	kg	3.5	9
Dimensions (L × W × H)	mm	323.8 × 148.2 × 303.4	467 × 197.3 × 415.7

Equipment

Includes connection materials		
Order No.	1.024-751.0	1.024-750.0
Price		

MORE CONVENIENT, FASTER, BETTER: THE NEW ACCESSORIES

We develop products that allow you to clean faster, more conveniently and more successfully. For example, with reduced operator effort and therefore less physical strain, or reduced set-up times, which in turn save you a lot of time. Current examples of this are our revolutionary EASY!Force high-pressure gun and the unique EASY!Lock quick-release couplings.



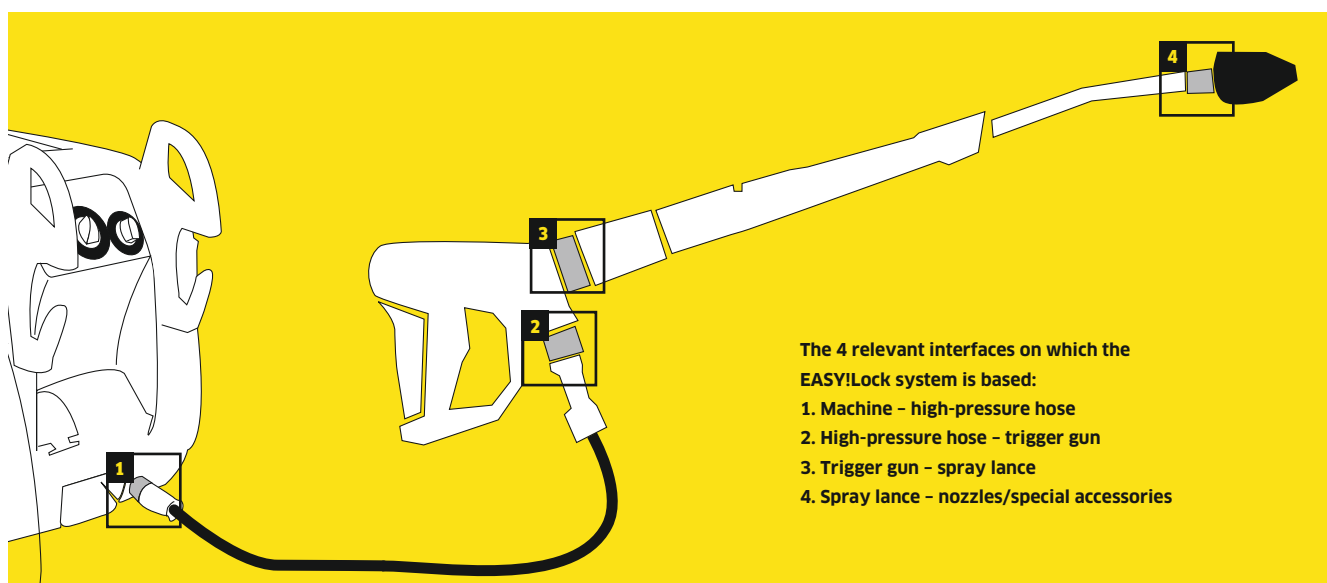


EASY!Force high-pressure gun

Effortless, not energy-sapping: the EASY!Force HD trigger gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero. Instead of a tense working posture with a closed hand on the trigger, fingers can move freely. This prevents discomfort and extends the work intervals. Both the ball and the sealing seat of the valve of the EASY!Force Advanced high-pressure gun are ceramic, which is far harder than any conceivable foreign particle. The full ceramic valve therefore ensures a lifetime which is five times longer than other high-pressure guns.

EASY!Lock quick-release couplings

With our patented EASY!Lock quick-release couplings, attachment and removal can be done in no time – five times faster compared with conventional screw connections – though they are just as long-lasting and robust. The system combines the advantages of a quick coupling with the advantages of a thread, minimises set-up times and therefore significantly increases convenience, without affecting safety and reliability. Working interruptions due to the loss of seals are prevented, as are additional spare part costs.



The 4 relevant interfaces on which the EASY!Lock system is based:

1. Machine – high-pressure hose
2. High-pressure hose – trigger gun
3. Trigger gun – spray lance
4. Spray lance – nozzles/special accessories

UNBEATABLY VERSATILE – HIGH-PRESSURE CLEANING WITH KÄRCHER

The name Kärcher is synonymous with high performance, quality and innovation worldwide. As a pioneer of high-pressure cleaning, today Kärcher is the global market leader and has been continuously optimising the principle of high-pressure cleaning. For more power with lower consumption. For a longer lifetime with shorter cleaning times. Kärcher has developed a technologically innovative and versatile product range that meets all of your requirements: cold water or heated, with electric or combustion engine, mobile or stationary. In addition to an extensive range of accessories that offers the right solution for every application.



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Stationary high-pressure cleaners	Page	164
Accessories for stationary high-pressure cleaners	Page	176
Ultra high-pressure cleaner	Page	188
Ultra high-pressure cleaner accessories	Page	196
Cleaning agents, care agents and disinfection	Page	764



Upright class

Kärcher Upright class high-pressure cleaners are the right choice for operators who require powerful, robust machines with maximum mobility for occasional use at changing locations: easy to manoeuvre and transport.

Compact class

Kärcher Compact class high-pressure cleaners are the right choice for operators who require a mobile high-pressure cleaner almost daily for changing locations of use: a machine that is easy to transport, despite its high power.

Middle class

Kärcher Middle class high-pressure cleaners are the right choice for operators who require a machine with a large operating radius for the daily cleaning of machines or surfaces, with which they can also clean hard-to-reach places and which takes up little space in the yard or workshop.

Super class

Kärcher Super class high-pressure cleaners are the right choice for operators who have to carry out ongoing cleaning tasks involving large quantities of dirt and stubborn dirt.

Special class

Kärcher Special class high-pressure cleaners are the right choice for operators whose main requirements are power, safety and hygiene, and who require extremely high pressure for stubborn dirt or large water volumes for two-lance operation.

How to read the unit names:

Model	Flow rate	/	Working pressure	Motor	Class	Drive	Equipment
Example: HD	13	/	12	-4	ST		
HD	= Cold water				P	= Petrol	= Standard equipment
HDS	= Hot water, diesel-heated				U	= Petrol/electro start	= Basic equipment
HDS-E	= Hot water, electr. heated				C	= Diesel/electro start	= Higher-level equipment
HWE	= Hot water generator				M	= Gas	= Edition machines
HDC	= Stat. HD; multiple lance operation				S	= Gas LPG = Liquid gas	= Robust tubular frame
					ST		= Trailer, single-axle
							= Explosion-proof
							= With hot water supply
							= Food design
							= Includes Surface Cleaner FR Classic
							= Includes Dirt Blaster
							= Includes hose reel

Model	Tank volume	/	Working pressure	Class	Drive
AP	= Multi-purpose cleaning machine			M	= Mains operation (with cord connection)

EFFICIENT WITH HIGH PRESSURE. EVEN MORE EFFICIENT WITH HOT WATER

Kärcher high-pressure cleaners have impressive advantages over pressureless cleaning procedures when it comes to efficiency, cleaning results and eco-friendliness. Hot water high-pressure cleaners (HDS) further enhance these advantages considerably when cleaning stubborn dirt. Kärcher HDS machines are the superior solution, particularly for contamination with oils, fats and proteins. Making them just right for you.



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Accessories	Page	108
Cleaning agents	Page	764



1 Advantages of hot water

BETTER RESULTS



Better cleaning result

With hot water, solidified oils and fats dissolve and emulsify considerably better and are therefore easily removable. Hot water is particularly effective in dissolving proteins and fats in the food industry.

TIME-SAVING



Shorter working time

Hot water causes dirt to be loosened much faster, resulting in significant time savings of up to 35%. Thus, a variety of cleaning tasks can be performed cost-effectively and economically.

LESS CLEANING AGENT



Reduced use of cleaning agents

In most cases, fats, oils, resins, etc. can be dissolved with just hot water; therefore, significantly less cleaning agent is required and in some cases, may be waived altogether. This protects the environment and saves money and resources.

GERM REDUCTION



Germ-reducing effect

A significant reduction in germs can be demonstrated after cleaning with hot water. This germ reduction achieved without disinfectant is sufficient for many hygiene requirements.

SHORTER DRYING TIME



Shorter drying time

Surfaces that are cleaned with hot water can be dried faster by using heat and are ready more quickly for further processing.

GENTLE ON SURFACES



Protection of surfaces

Protection of sensitive surfaces and the same cleaning effect at a lower working pressure.

2 Environmentally friendly cleaning with biodiesel



Biodiesel








All Kärcher hot water high-pressure cleaners can be easily operated with biodiesel. Biodiesel is produced from renewable resources and is CO₂-neutral. Emissions are significantly reduced by means of better combustion characteristics compared with conventional diesel. Promote environmental protection sustainably by using biodiesel.

3 Weed removal with hot water



The hot water destroys the weeds by quickly penetrating down to the roots, killing the plant proteins, causing lasting damage and wiping out the weeds.

- Environmentally friendly, no herbicides.
- Gentle on surfaces.
- Saves time.

	Price	Order No.	Supply voltage (phases)	Flow rate (l/h)	Working pressure (bar/MPa)	Chassis with integrated fuel tank and cleaning agent tank	Piston material	Steam stage	Electro start	Integrated hose reel	Soft Damping System (SDS)	4-pole engine (low-speed machine)	Servo Control	Spray gun EASYiForce Advanced	Exhaust gas thermostat	Spray lance, rotatable	Triple nozzle	Power nozzle	Pole reverse plug (3~)	Calcification protection	Dry-running protection	Page
HDS Super class																						
	HDS 13/20-4 S	1.071-927.0	3	600-1300	30-200/3-20	■	Ceramic	■	-	-	■	■	■	■	■	■	-	■	■	■	■	57
	HDS 13/20-4 SX	1.071-932.0	3	600-1300	30-200/3-20	■	Ceramic	■	-	■	■	■	■	■	■	■	-	■	■	■	■	57
	HDS 12/18-4 S	1.071-914.0	3	600-1200	30-180/3-18	■	Ceramic	■	-	-	■	■	■	■	■	■	-	■	■	■	■	57
	HDS 12/18-4 SX	1.071-925.0	3	600-1200	30-180/3-18	■	Ceramic	■	-	■	■	■	■	■	■	■	-	■	■	■	■	57
HDS Middle class																						
	HDS 10/20-4 M	1.071-900.0	3	500-1000	30-200/3-20	■	Ceramic	■	-	-	■	■	■	■	■	■	-	■	■	■	■	59
	HDS 10/20-4 MX	1.071-912.0	3	500-1000	30-200/3-20	■	Ceramic	■	-	■	■	■	■	■	■	■	-	■	■	■	■	59
	HDS 9/18-4 M	1.077-911.0	3	450-900	30-180/3-18	■	Ceramic	■	-	-	■	■	■	■	■	■	-	■	■	■	■	59
	HDS 9/18-4 MX	1.077-918.0	3	450-900	30-180/3-18	■	Ceramic	■	-	■	■	■	■	■	■	■	-	■	■	■	■	59
	HDS 8/18-4 M	1.077-908.0	3	400-800	30-180/3-18	■	Ceramic	■	-	-	■	■	■	■	■	■	-	■	■	■	■	59
	HDS 8/18-4 MX	1.077-910.0	3	400-800	30-180/3-18	■	Ceramic	■	-	■	■	■	■	■	■	■	-	■	■	■	■	59
	HDS 7/12-4 M	1.077-900.0	1	350-700	30-120/3-12	■	Ceramic	■	-	-	■	■	-	■	■	-	■	-	■	-	■	59
	HDS 7/12-4 MX	1.077-906.0	1	350-700	30-120/3-12	■	Ceramic	■	-	■	■	■	-	■	■	-	■	-	■	-	■	59
HDS Compact class																						
	HDS 8/18-4 C	1.174-900.0	3	300-800	30-180/3-18	■	Ceramic	■	-	-	■	■	■	■	■	■	-	■	■	■	■	61
	HDS 8/18-4 CX	1.174-906.0	3	300-800	30-180/3-18	■	Ceramic	■	-	■	■	■	■	■	■	■	-	■	■	■	■	61
	HDS 8/17 C	1.174-911.0	3	290-760	30-170/3-17	■	Ceramic	■	-	-	■	-	■	■	■	■	-	■	■	■	■	61
	HDS 8/17 CX	1.174-915.0	3	290-760	30-170/3-17	■	Ceramic	■	-	■	■	-	■	■	■	■	-	■	■	■	■	61
	HDS 7/16 C	1.173-900.0	3	270-660	30-160/3-16	■	Stainless steel	■	-	-	■	-	■	■	■	■	-	■	■	■	■	61
	HDS 7/16 CX	1.173-904.0	3	270-660	30-160/3-16	■	Stainless steel	■	-	■	■	-	■	■	■	■	-	■	■	■	■	61
	HDS 6/14-4 C	1.170-900.0	1	240-560	30-140/3-14	■	Ceramic	■	-	■	■	■	■	■	■	■	-	■	-	■	■	61
	HDS 6/14-4 CX	1.170-902.0	1	240-560	30-140/3-14	■	Ceramic	■	-	■	■	■	■	■	■	■	-	■	-	■	■	61
	HDS 6/14 C	1.169-900.0	1	240-560	30-140/3-14	■	Stainless steel	■	-	-	■	-	■	■	■	■	-	■	-	■	■	61
	HDS 6/14 CX	1.169-905.0	1	240-560	30-140/3-14	■	Stainless steel	■	-	■	■	-	■	■	■	■	-	■	-	■	■	61
	HDS 5/12 C	1.272-900.0	1	500	120/12	■	Stainless steel	-	-	-	■	-	-	■	■	■	-	-	-	-	-	61
HDS Upright class																						
	HDS 5/15 U	1.064-912.0	1	450	150/15	-	Stainless steel	-	-	-	-	-	-	■	■	■	■	-	-	-	-	63
	HDS 5/15 UX	1.064-913.0	1	450	150/15	-	Stainless steel	-	-	■	-	-	-	■	■	■	■	-	-	-	-	63
	HDS 5/13 U	1.064-908.0	1	500	125/12.5	-	Stainless steel	-	-	-	-	-	-	■	■	■	■	-	-	-	-	63
	HDS 5/13 UX	1.064-909.0	1	500	125/12.5	-	Stainless steel	-	-	■	-	-	-	■	■	■	■	-	-	-	-	63
	HDS 5/11 U	1.064-900.0	1	450	110/11	-	Stainless steel	-	-	-	-	-	-	■	■	■	■	-	-	-	-	63
	HDS 5/11 UX	1.064-901.0	1	450	110/11	-	Stainless steel	-	-	■	-	-	-	■	■	■	■	-	-	-	-	63
HDS trailer																						
	HDS 9/50 De Tr1	1.524-521.2	-	500-900	150-500/15-50	-	Ceramic	-	■	■	-	-	-	Industry	■	■	-	■	-	■	■	67
	HDS 13/35 De Tr1	1.524-521.2	-	650-1300	100-350/10-35	-	Ceramic	-	■	■	-	-	-	Industry	■	■	-	■	-	■	■	67
	HDS 17/20 De Tr1	1.524-952.2	-	900-1700	70-200/7-20	-	Ceramic	-	■	■	-	-	■	■	■	■	-	■	-	■	■	67
	HDS 13/20 De Tr1	1.524-952.2	-	900-1300	50-200/5-20	-	Ceramic	-	■	■	-	-	■	■	■	■	-	■	-	■	■	67
HDS Special class																						
	HDS 2000 Super	1.071-934.0	3	800-1850	30-180/3-18	-	Ceramic	■	-	-	■	■	■	■	■	■	-	■	-	■	■	68
	HDS-E 8/16-4 M 36 kW	1.030-906.0	3	300-760	30-160/3-16	■	Ceramic	-	-	-	-	■	■	■	■	■	-	■	-	■	■	69
	HDS-E 8/16-4 M 24 kW	1.030-904.0	3	300-760	30-160/3-16	■	Ceramic	-	-	-	-	■	■	■	■	■	-	■	-	■	■	69
	HDS-E 8/16-4 M 12 kW	1.030-900.0	3	300-760	30-160/3-16	■	Ceramic	-	-	-	-	■	■	■	■	■	-	■	-	■	■	69
HDS with combustion engine																						
	HDS 1000 De	1.811-943.0	-	450-900	40-200/4-20	-	Stainless steel	-	■	-	-	-	■	■	■	■	-	■	-	■	-	70
	HDS 1000 Be	1.811-942.0	-	450-900	40-210/4-21	-	Stainless steel	-	■	-	-	-	■	■	■	■	-	■	-	■	-	70
	HDS 801 D	1.210-901.0	-	600	140/14	-	Stainless steel	-	-	-	-	-	-	■	■	■	■	-	■	-	-	71
	HDS 801 B	1.210-900.0	-	600	140/14	-	Stainless steel	-	-	-	-	-	-	■	■	■	■	-	■	-	-	71

■ Included in delivery.



1 State-of-the-art burner technology

Hot water high-pressure cleaners from Kärcher undergo continuous further development. Thanks to a highly efficient burner and a new turbo blower, emissions can be lowered and fuel consumption reduced. The independent European Cleaning Machines Association has certified Kärcher, the world's first provider of hot water high-pressure cleaners, for efficiency and compliance with exhaust gas emissions standards. This guarantees:

- Highly efficient burners.
- Low fuel consumption.
- Low emissions.

2 Long-lasting pump engineering

All pumps used in Kärcher high-pressure cleaners are manufactured in our own factories by specialists. This guarantees the highest "made by Kärcher" quality. The integrated soft damping hose causes hydraulic pressure fluctuations in the system to smooth out, which guarantees a longer lifetime for the high-pressure cleaner.

3 Save energy and protect the environment

Kärcher's new series of hot water high-pressure cleaners is the first hot water machine in the world to offer an ecoefficiency mode. Simply set the main switch to ecoefficiency mode and the machine switches to the most economical temperature range (60°C) while maintaining full water flow. The advantage: burner cycles are optimised and the fuel consumption compared with full load operation (80°C) is reduced by 20%.

4 Exemplary mobility

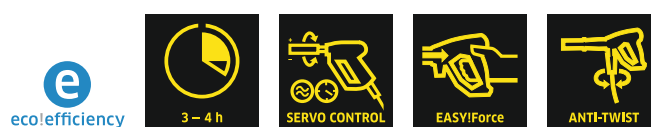
Kärcher high-pressure cleaners are always raising the bar when it comes to mobility. The HDS ranges of Compact, Middle and Super class models are in a "jogger" design: large rubber tyre wheels at the rear and castors at the front. For the first time, the HDS Upright class uses the tried-and-tested sack truck principle of cold water units in hot water machines. It also features ergonomic push handles and perfect weight distribution – ideal for quick and safe relocation with minimum effort. Transport is simplified by forklift compatibility, transport eyelets and tilting aid.

HDS SUPER CLASS



Super class – top performance for non-stop use

Super class heated high-pressure cleaners offer optimum cleaning performance, easy handling and the latest technology, and are suitable for two-lance operation. Wherever dirt is present.



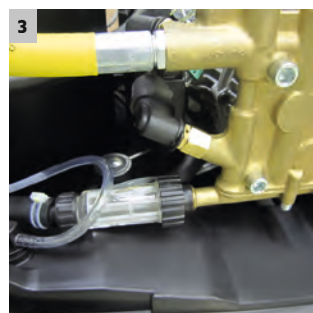
1 High efficiency

- In the eco!efficiency mode the machine operates in the most economical temperature range (60°C) – with full water flow.
- The burner cycles are optimised to reduce fuel consumption by 20% compared with full-load operation.



2 LED-Display

- Clearly arranged centrally on the control panel (HDS 13/20)
- Fill level indicators for fuel, cleaning agent and system care.
- Integrated elapsed time counter.



3 Reliability

- The Soft Damping System (SDS) compensates for vibration and pressure peaks in the high-pressure system.
- Large, easy-to-reach water fine filter for protecting the pump against dirt particles in the water.
- Machine operational data (duration of use and required service intervals) can be retrieved.



4 Maximum efficiency

- Highly efficient, tried-and-tested burner technology.
- Four-pole electric motor with 3-piston axial pump.
- Water-cooled motor for a high level of performance and durability.

TECHNICAL DATA AND EQUIPMENT

HDS 13/20-4 S HDS 13/20-4 SX

HDS 12/18-4 S HDS 12/18-4 SX

- Dual spray lance operation possible
- Electronic service control, with flame monitoring
- LED display for displaying fill level and operating hours
- Dual spray lance operation possible
- Two cleaning agent tanks
- Economical ecoefficiency mode

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50
Connection load	kW	9.3	8.4
Flow rate	l/h	600-1300	600-1200
Working pressure	bar / MPa	30-200 / 3-20	30-180 / 3-18
Max. temperature	°C	80 / 155	80 / 155
Weight	kg	186 194	178 186
Dimensions (L × W × H)	mm	1330 × 750 × 1060	1330 × 750 × 1060
Detergent tank	l	20 + 10	20 + 10
Fuel tank	l	25	25
Heating oil consumption, full load / ecoefficiency	kg/h	8.3 / 6.6	7.7 / 6.2

Equipment

Spray gun		EASY!Force Advanced	EASY!Force Advanced
Pressure hose	m	10 20	10 20
Spray lance	mm	1050	1050
Power nozzle	■	■	■
Dry-running protection	■	■	■
Pressure hose reel	- ■	- ■	- ■
Soft Damping System (SDS)	■	■	■
Servo Control	■	■	■
Order No.		1.071-927.0 -932.0	1.071-914.0 -925.0
Price			

■ Included in delivery.

Accessories

Product name	Order No.	Description	Price
Cup foam lance Advanced 042	2.112-018.0	Short, handy foam lance with 1-litre cleaning agent container directly on the lance. Thanks to its compact construction style, it is ideal, for example, for cleaning lorries with foam. Swivelling connection M 22 × 1.5, variable cleaning agent dosage via control on lance, adjustable spray angle.	
Additional handle for EASY!Lock spray lances	4.321-380.0	Comfortable in every situation – the additional handle is easy to attach to the spray lance of our new EASY!Lock generation and makes work easier by allowing you to adjust your posture to suit the particular task. Regularly changing your posture relieves the strain on your body, making work more relaxed. Thanks to the 360° rotatable spray lance, the additional handle can simply be fully rotated whilst working for greater flexibility.	
Telescopic spray lance	4.112-037.0	Can be continuously extended from 1.8 to 5.4 m. For cleaning areas that are difficult to reach (e.g. ceilings, facades). With integrated HD trigger gun.	
Rotating wash brush for > 800 l/h machines, nylon bristles	4.113-002.0	Driven by the water stream. For gentle removal of fine dust and grey film on all surfaces. Temperature-resistant up to 60°C (replaceable brush insert).	
Quick coupling	2.115-000.0	For quick changing between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface.	
Male coupling	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000.0	
Pipe cleaning nozzle	5.763-012.0	With internal thread, different spraying directions for efficient and environmentally friendly cleaning of blocked drains and pipes. The nozzle openings are designed to allow the nozzle and hose to move freely through the pipe.	
Hard surface cleaner FR 30 Me	2.111-013.0	High-quality, hot water-resistant surface cleaner with stainless steel casing, double ceramic bearing, non-marking steering rollers, integrated suction hose connection for suction of the spray water. Ideal for interior cleaning and use in the food industry. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 1,300 l/h / 85°C.	
High-pressure hose Longlife 400, 2 × EASY!Lock, ID 8, 400 bar, 10 m, ANTI!Twist	6.110-038.0	High-pressure hose with double steel reinforcement and EASY!Lock hand screw connection at both ends.	
Remote control attachment kit, HDS-M class	2.642-157.0	Remote control for the machines of the HDS Middle and Super class with the functions on/off, hot/cold water and cleaning agent on/off. For mounting to a wall.	
Coin remote control attachment kit, HDS-M class	2.642-158.0	Retrofittable coin acceptor for machines in the HDS Middle and Super class for self-service operation. For installation on the machine.	

HDS MIDDLE CLASS



The Middle class – consistent high-performance.

If efficiency, power, operating comfort and durability are just as important to you as environmental protection: ideal for demanding cleaning tasks – from agriculture to industry.



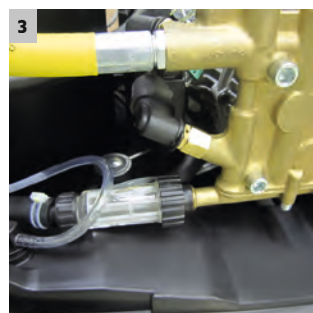
1 Efficiency

- In the eco!efficiency mode the machine operates in the most economical temperature range (60°C) – with full water flow.
- The burner cycles are optimised to reduce fuel consumption by 20% compared with full-load operation.



2 Maximum efficiency

- Highly efficient, tried-and-tested burner technology.
- Four-pole electric motor with 3-piston axial pump.
- Water-cooled motor for a high level of performance and durability.



3 Operational safety

- The large, integrated water fine filter reliably protects the high-pressure pump against small dirt particles.
- An integrated exhaust gas thermostat switches off the drive motor if the emission temperature exceeds 300°C.
- The Soft Damping System (SDS) compensates for vibration and pressure peaks in the high-pressure system.



4 Mobility concept

- "Jogger" design with large rubber-tyred wheels and steering roller.
- Sturdy transport eyelets for safe loading during transport.
- Integrated tilting aid for effortlessly negotiating obstacles such as steps and kerbs.

TECHNICAL DATA AND EQUIPMENT

HDS 10/20-4 M HDS 10/20-4 MX

HDS 9/18-4 M HDS 9/18-4 MX

HDS 8/18-4 M HDS 8/18-4 MX

- Economical ecoefficiency mode
- Two cleaning agent tanks
- Three-phase motor: water-cooled
- Economical ecoefficiency mode
- Two cleaning agent tanks
- Three-phase motor: water-cooled
- Economical ecoefficiency mode
- Axial pump with turbo blower
- Three-phase motor: air-cooled

Technical data				
Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Connection load	kW	7.8	6.4	5.5
Flow rate	l/h	500-1000	450-900	400-800
Working pressure	bar / MPa	30-200 / 3-20	30-180 / 3-18	30-180 / 3-18
Max. temperature	°C	80 / 155	80 / 155	80 / 155
Weight	kg	171 179	156 164	155 163
Dimensions (L × W × H)	mm	1330 × 750 × 1060	1330 × 750 × 1060	1330 × 750 × 1060
Detergent tank	l	20 + 10	20 + 10	20 + 10
Fuel tank	l	25	25	25
Heating oil consumption, full load / ecoefficiency	kg/h	6.4 / 5.1	5.8 / 4.6	5.3 / 4.2
Equipment				
Spray gun		EASY!Force Advanced	EASY!Force Advanced	EASY!Force Advanced
Pressure hose	m	10 20	10 20	10 20
Spray lance	mm	1050	1050	1050
Power nozzle		■	■	■
Dry-running protection		■	■	■
Pressure hose reel		- ■	- ■	- ■
Soft Damping System (SDS)		■	■	■
Servo Control		■	■	■
Order No.		1.071-900.0 -912.0	1.077-911.0 -918.0	1.077-908.0 -910.0
Price				

■ Included in delivery.

HDS 7/12-4 M HDS 7/12-4 MX

- Economical ecoefficiency mode
- Axial pump with turbo blower
- Three-phase motor: air-cooled

Technical data		
Supply voltage	Ph / V / Hz	1 / 230 / 50
Connection load	kW	3.4
Flow rate	l/h	350-700
Working pressure	bar / MPa	30-120 / 3-12
Max. temperature	°C	80 / 155
Weight	kg	146 154
Dimensions (L × W × H)	mm	1330 × 750 × 1060
Detergent tank	l	20 + 10
Fuel tank	l	25
Heating oil consumption, full load / ecoefficiency	kg/h	4.6 / 3.7
Equipment		
Spray gun		EASY!Force Advanced
Pressure hose	m	10 20
Spray lance	mm	1050
Power nozzle		■
Dry-running protection		■
Pressure hose reel		- ■
Soft Damping System (SDS)		■
Servo Control		-
Order No.		1.077-900.0 -906.0
Price		

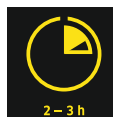
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HDS COMPACT CLASS



The Compact class – universal all-rounder

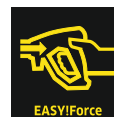
Our hot water high-pressure cleaners of the Compact class are true all-rounders. As universal professional machines, they meet virtually any of your individual cleaning needs.



2 – 3 h



SERVO CONTROL



EASY!Force



ANTI-TWIST



1 Efficiency

- eco!efficiency mode – economical and environmentally friendly, even during longer periods of use.
- Reduces fuel consumption and CO₂ emissions by 20%.
- Accurate cleaning agent dosing unit with clear rinse function.

2 Ease of use

- Intuitive operation with large single-button selector switch.
- Large tank opening with filling chute.
- System care bottle can be changed conveniently from the outside.

3 Storage

- Lockable accessory compartment for nozzles, tools, etc.
- Storage hooks for power cord and high-pressure hose.
- Integrated lance attachment for easy transport.

4 Mobility

- “Jogger” design with large wheels and steering roller.
- Large integrated handles in the chassis.
- Integrated tilting aid for effortlessly negotiating obstacles such as steps and kerbs.

TECHNICAL DATA AND EQUIPMENT

		HDS 8/18-4 C HDS 8/18-4 CX	HDS 8/17 C HDS 8/17 CX	HDS 7/16 C HDS 7/16 CX
		<ul style="list-style-type: none"> Economical ecoefficiency mode Intuitive single-button selector switch Four-pole water-cooled electric motor 	<ul style="list-style-type: none"> Economical ecoefficiency mode Intuitive single-button selector switch Powerful three-phase motor 	<ul style="list-style-type: none"> Economical ecoefficiency mode Intuitive single-button selector switch Powerful three-phase motor
Technical data				
Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Connection load	kW	6	5.7	4.7
Flow rate	l/h	300-800	290-760	270-660
Working pressure	bar / MPa	30-180 / 3-18	30-170 / 3-17	30-160 / 3-16
Max. temperature	°C	80 / 155	80 / 155	80 / 155
Weight	kg	112 114	106 108	103 105
Dimensions (L × W × H)	mm	1060 × 650 × 920 1215 × 650 × 920	1060 × 650 × 920 1215 × 650 × 920	1060 × 650 × 920 1215 × 650 × 920
Detergent tank	l	10	10	10
Fuel tank	l	15	15	15
Heating oil consumption, full load	kg/h	5	4.7	4.1
Heating oil consumption, ecoefficiency	kg/h	4	3.8	3.3
Equipment				
Spray gun		EASY!Force Advanced	EASY!Force Advanced	EASY!Force Advanced
Pressure hose	m	10 15	10 15	10 15
Spray lance	mm	1050	1050	1050
Power nozzle		■	■	■
Switchable triple nozzle		-	-	-
Soft Damping System (SDS)		■	■	■
Pressure hose reel		- ■	- ■	- ■
Servo Control		■	■	■
Order No.		1.174-900.0 -906.0	1.174-911.0 -915.0	1.173-900.0 -904.0
Price				

■ Included in delivery.

		HDS 6/14-4 C HDS 6/14-4 CX	HDS 6/14 C HDS 6/14 CX	HDS 5/12 C
		<ul style="list-style-type: none"> Economical ecoefficiency mode four-pole water-cooled electric motor 	<ul style="list-style-type: none"> Economical ecoefficiency mode Intuitive single-button selector switch Extensive range of standard equipment 	<ul style="list-style-type: none"> Economical ecoefficiency mode Intuitive single-button selector switch Entry-level model in the Compact class
Technical data				
Supply voltage	Ph / V / Hz	1 / 230 / 50	1 / 230 / 50	1 / 230 / 50
Connection load	kW	3.6	3.6	2.9
Flow rate	l/h	240-560	240-560	500
Working pressure	bar / MPa	30-140 / 3-14	30-140 / 3-14	120 / 12
Max. temperature	°C	80 / 155	80 / 155	80
Weight	kg	104 106	93 95	86
Dimensions (L × W × H)	mm	1060 × 650 × 920 1215 × 650 × 920	1060 × 650 × 920 1215 × 650 × 920	1060 × 650 × 920
Detergent tank	l	10	10	10
Fuel tank	l	15	15	15
Heating oil consumption, full load	kg/h	3.5	3.5	3.2
Heating oil consumption, ecoefficiency	kg/h	2.8	2.8	2.6
Equipment				
Spray gun		EASY!Force Advanced	EASY!Force Advanced	EASY!Force Advanced
Pressure hose	m	10 15	10 15	10
Spray lance	mm	1050	1050	840
Power nozzle		■	■	-
Switchable triple nozzle		-	-	Manual
Soft Damping System (SDS)		■	■	■
Pressure hose reel		- ■	- ■	-
Servo Control		■	■	-
Order No.		1.170-900.0 -902.0	1.169-900.0 -905.0	1.272-900.0
Price				

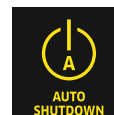
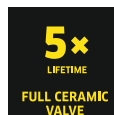
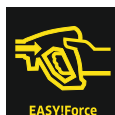
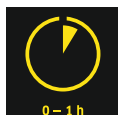
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HDS UPRIGHT CLASS



The Upright class – for maximum mobility

These high-performance, robust upright machines offer outstanding manoeuvrability, easy transport and intuitive operation. Ideal for tradesmen, commercial use and contract cleaners.



1 Innovative upright design

- Effortless transport over landings or stairs.
- Large wheels for unpaved surfaces.



2 Water fine filter

- Efficiently protects high-pressure pump against contamination.
- Easy to remove from outside.



3 Compact design

- Space-saving storage and transport.
- Spill-proof pump and fuel tank for flat transport.
- Ideal for small service vehicles.



4 Integrated hose reel

- Secure and convenient storage of the pressure hose.
- Ensures ergonomic operation.
- Reduced set-up times.

TECHNICAL DATA AND EQUIPMENT

HDS 5/15 U HDS 5/15 UX

HDS 5/13 U HDS 5/13 UX

HDS 5/11 U HDS 5/11 UX

- Mobile entry-level model
- Space-saving upright design
- Exhaust temperature monitoring

- Mobile entry-level model
- Space-saving upright design
- Exhaust temperature monitoring

- Mobile entry-level model
- Space-saving upright design
- Exhaust temperature monitoring

Technical data				
Supply voltage	Ph / V / Hz	1 / 230 / 50	1 / 230 / 50	1 / 230 / 50
Connection load	kW	2.7	2.6	2.2
Flow rate	l/h	450	500	450
Working pressure	bar / MPa	150 / 15	125 / 12.5	110 / 11
Max. temperature	°C	80	80	80
Weight	kg	74 76	72 74	68 70
Dimensions (L × W × H)	mm	620 × 620 × 990 620 × 620 × 1160	620 × 620 × 990 620 × 620 × 1160	620 × 620 × 990 620 × 620 × 1160
Fuel tank	l	6.5	6.5	6.5
Heating oil or gas consumption, full load	kg/h	2.4	3.1	2.4
Equipment				
Spray gun		EASY!Force Advanced	EASY!Force Advanced	EASY!Force Advanced
Pressure hose	m	10 15	10 15	10 15
Spray lance	mm	840	840	840
Switchable triple nozzle		Manual	Manual	Manual
Power nozzle		-	-	-
Soft Damping System (SDS)		-	-	-
Pressure hose reel		- ■	- ■	- ■
Servo Control		-	-	-
Order No.		1.064-912.0 -913.0	1.064-908.0 -909.0	1.064-900.0 -901.0
Price				

■ Included in delivery.

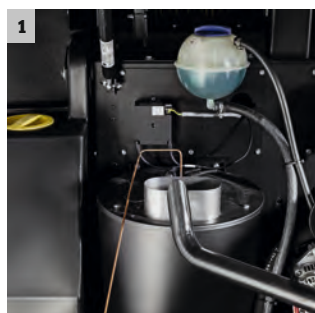
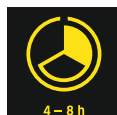
Accessories			
Product name	Order No.	Description	Price
Pipe cleaning hose, ID 6, 20 m, max. 140 bar	6.110-049.0	Particularly flexible high-pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8").	
Additional handle for EASY!Lock spray lances	4.321-380.0	Comfortable in every situation - the additional handle is easy to attach to the spray lance of our new EASY!Lock generation and makes work easier by allowing you to adjust your posture to suit the particular task. Regularly changing your posture relieves the strain on your body, making work more relaxed. Thanks to the 360° rotatable spray lance, the additional handle can simply be fully rotated whilst working for greater flexibility.	
Dirt blaster	4.114-040.0	Dirt blaster - rotating point jet - 10 times the cleaning performance. Maximum working time thanks to ceramic nozzle/bearing ring. Max. 300 bar / 30 MPa, 85°C.	
Cup foam lance Advanced 042	2.112-018.0	Short, handy foam lance with 1-litre cleaning agent container directly on the lance. Thanks to its compact construction style, it is ideal, for example, for cleaning lorries with foam. Swivelling connection M 22 × 1.5, variable cleaning agent dosage via control on lance, adjustable spray angle.	
Telescopic spray lance	4.112-037.0	Can be continuously extended from 1.8 to 5.4 m. For cleaning areas that are difficult to reach (e.g. ceilings, facades). With integrated HD trigger gun.	
Quick coupling	2.115-000.0	For quick changing between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface.	
Male coupling	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000.0	
Rotating wash brush for < 800 l/h machines, natural hair bristles	4.113-003.0	Driven by the water stream. For gentle removal of fine dust and grey film on all surfaces. Temperature-resistant up to 60°C (replaceable brush insert).	
Pipe cleaning hose, ID 6, 20 m, max. 250 bar	6.110-008.0	Particularly flexible high-pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8").	
Push-on washing brush	4.113-001.0	For all surface cleaning tasks. Clamps directly onto the spray lance.	
Hard surface cleaner FR 30 Me	2.111-013.0	High-quality, hot water-resistant surface cleaner with stainless steel casing, double ceramic bearing, non-marking steering rollers, integrated suction hose connection for suction of the spray water. Ideal for interior cleaning and use in the food industry. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 1300 l/h / 85°C.	

HDS TRAILER



Outstanding mobility and reliability on the road

The range of trailer-based hot water high-pressure cleaners represents extraordinary mobility and maximum user-friendliness. The reliable machines enable efficient use. Ideal for municipalities, industry and construction.



1 Maximum efficiency

- Tried-and-tested Kärcher burner technology with maximum efficiency.
- Heat recovery through the use of engine waste heat in hot water operation generates fuel savings of up to 14%.
- Environmentally friendly operation and lower operating cost thanks to Kärcher's eco!efficiency mode.

2 Easy handling

- EASY Operation: operation of the trailer with a central selector switch.
- Two hose reels in the operating area for fast attachment and removal.
- Large storage space: protective gear, accessories are always ready to hand and safely stored.

3 Independent of power and water supply

- Large 500-litre water tank for up to 30 minutes of cleaning at full power.
- 100-litre diesel tank – ideal for long periods of use.
- Yanmar diesel engine rated at 19 kW.

4 Customised machine configuration

- Thanks to customised configuration options, the trailer can be assembled precisely according to customer-specific requirements.
- Skid and Cab versions available, for example for transporting on truck loading platforms.
- Available with diesel particle filter.

INDIVIDUAL CONFIGURATION

Several performance classes:

HDS 9/50

500 bar

900 l/h

Automatic pressure
relief option

Accessories package

30-metre high-pressure hose

Power nozzle

Spray gun

Spray lance

HDS 13/35

350 bar

1,300 l/h

Automatic pressure
relief option

HDS 17/20

200 bar

1,700 l/h

Optionally with preparation
for dual spray lance operation

HDS 13/20

200 bar

1,300 l/h

Hose reel

High-pressure hose reel

Water inlet hose reel

Mobility:

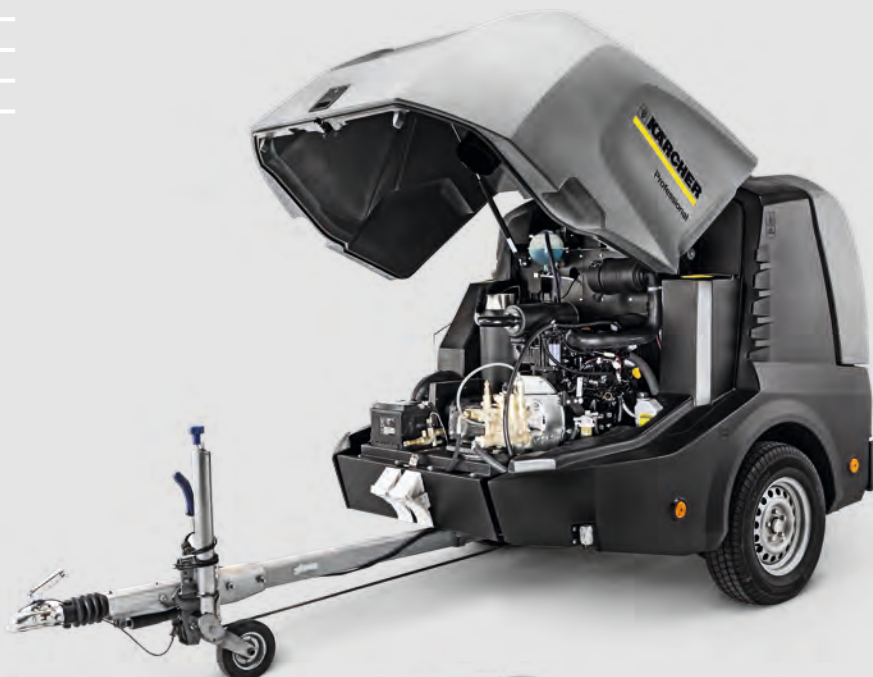


Skid

Stationary frame with
forklift pockets

Without water tank

Without cover



Cab

Stationary frame with
forklift pockets

Integrated 500-litre water tank

With cover



Trailer

On the chassis

Integrated 500-litre water tank

With cover

With optional shock absorbers

Water softening system

The automatic dosing of the Machine Protector RM 110 protects the heating coil from calcification. This guarantees a long working time for the burner.

Heat recovery

An additional heat exchanger uses the engine waste heat to heat the water. This saves up to 14% on fuel costs in hot water operation.

Antifreeze system

Thanks to the intelligent antifreeze system, the machine is easy to prepare for the winter.

A WIDE RANGE OF APPLICATION POSSIBILITIES

Thanks to the customised configuration options, an enormous application spectrum can be covered. Here are just a few ways in which our new trailers impress with their flexibility and reliability.



1 Facade cleaning

- For example, removal of environmental pollution from car exhaust fumes, paraffins/oily deposits, calcium/soot/organic deposits such as moss, etc.
- Cleaning prior to a facade renovation.
- Cleaning of churches, historical buildings, commercial buildings, residential buildings owned by housing associations, industrial buildings, noise-insulating walls, etc.

2 Construction machines and other equipment

- Cleaning construction machines, in particular the removal of stubborn concrete or mortar residues.
- Cleaning planking and scaffolding.

3 Public places and buildings

- Removal of oil stains/oil smears, chewing gum, organic growth, mud deposits, and much more.
- Cleaning of car parks, bus stops, swimming pools, underground garages (ceiling, walls and floor), pavements, and terraces.
- Weed removal with hot water in combination with a weed lance.

4 Traffic routes, train stations and bridges

- Cleaning of train stations, for example platforms, underpasses and stairways.
- Cleaning of bridges as part of renovation work.
- Tunnels, roads, and public spaces.

TECHNICAL DATA AND EQUIPMENT

On the 200-bar machines, pressure and water volume can be regulated directly on the lance thanks to Servo Control. The machines generating 350 and 500-bar feature speed-dependant pressure and water flow regulation. The 200-bar machines are also equipped with a cleaning agent dosing unit.



		HDS 9/50 De	HDS 13/35 De	HDS 17/20 De	HDS 13/20 De
		<ul style="list-style-type: none"> ■ Speed reduction ■ Speed control ■ As a trailer or stationary 	<ul style="list-style-type: none"> ■ Speed reduction ■ Speed control ■ As a trailer or stationary 	<ul style="list-style-type: none"> ■ Speed reduction ■ Cleaning agent dosing unit ■ Servo Control 	<ul style="list-style-type: none"> ■ Speed reduction ■ Cleaning agent dosing unit ■ Servo Control
Technical data					
Engine manufacturer		Yanmar	Yanmar	Yanmar	Yanmar
Fuel		Diesel	Diesel	Diesel	Diesel
Motor rating	kW	19	19	19	19
Flow rate	l/h	500-900	650-1300	900-1700	900-1300
Working pressure	bar/MPa	150-500 / 15-50	100-350 / 10-35	70-200 / 7-20	50-200 / 5-20
Max. temperature	°C	85 / 98	85 / 98	80 / 98	85 / 98
Net weight	kg	950	950	950	950
Dimensions (L × W × H)	mm	3646 × 1747 × 1735	3646 × 1747 × 1735	3646 × 1747 × 1735	3646 × 1747 × 1735
Diesel consumption, full load	kg/h	9.7	12.4	11.8	11.3
Diesel consumption ecoefficiency	kg/h	7.5	9.3	9.7	8.2
Equipment					
Spray gun		Industrial trigger gun	Industrial trigger gun	EASY!Force Advanced	EASY!Force Advanced
High-pressure hose	m	30	30	30	30
Spray lance	mm	700	700	1050	1050
Power nozzle		■	■	■	■
Servo Control		-	-	■	■
Pressure adjustment via speed regulation		■	■	-	-
Order No.		1.524-521.2	1.524-521.2	1.524-952.2	1.524-952.2
Price					

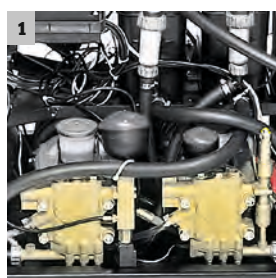
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HDS SPECIAL CLASS



The Super class – the best machine for day-to-day multiple lance operation

Equipped with powerful pumps and efficient burner technology, the Super class is used in industry, the construction sector, agriculture and in large fleets (e.g. hauliers).



1 Duo drive concept

- 2 fatigue-tested, water-cooled three-phase motors.
- Delayed start prevents power supply overload.

2 Service control

- Electronic monitoring machine for protection against interference.
- Operating data logging with LED display of maintenance intervals based on operating hours.

HDS 2000 Super

- Two powerful pump sets
- Electronic service control, with flame monitoring
- Cleaning agent dosing can be controlled from the trigger gun

Technical data		
Supply voltage	Ph / V / Hz	3 / 400 / 50
Connection load	kW	2 × 6.7
Flow rate	l/h	800-1850
Working pressure	bar / MPa	30-180 / 3-18
Max. temperature	°C	80 / 98
Weight	kg	280
Dimensions (L × W × H)	mm	1500 × 834 × 1015
Detergent tank	l	25
Fuel tank	l	25
Heating oil or gas consumption, full load	kg/h	12.3
Equipment		
Spray gun		EASY!Force Advanced
Pressure hose	m	15
Spray lance	mm	1050
Power nozzle		■
Dry-running protection		■
Pressure hose reel		-
Soft Damping System (SDS)		■
Servo Control		■
Order No.		1.071-934.0
Price		

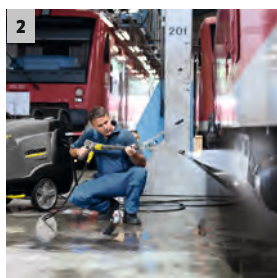
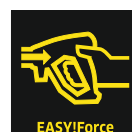
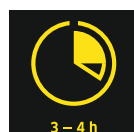
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HDS SPECIAL CLASS



The exhaust-free specialist

The exhaust-free HDS-E 8/16-4 M with electrical boiler is used where exhaust gases are unwanted or prohibited. Thanks to innovative boiler insulation and Kärcher's eco!efficiency mode, it is easy both on budgets and the environment.



1 Highly energy-efficient, for high cost savings

- Highly effective insulating material saves up to 40% energy in stand-by mode.
- Unique eco!efficiency mode.

2 Particularly high work temperature

- Large water reservoir (max. 85°C).
- Up to 58°C in continuous operation under full load or 80°C with Servo Control.

HDS-E 8/16 -4 M 36 kW

HDS-E 8/16-4 M 24KW

HDS-E 8/16-4 M 12 KW

- Economical eco!efficiency mode
- Tilting aid
- Two cleaning agent tanks with automatic rinsing

- Economical eco!efficiency mode
- Tilting aid
- Two cleaning agent tanks with automatic rinsing

- Economical eco!efficiency mode
- High-speed heating chamber
- Two cleaning agent tanks with automatic rinsing

Technical data

	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Supply voltage				
Connection load	kW	41.5	29.5	17.5
Flow rate	l/h	300-760	300-760	300-760
Working pressure	bar / MPa	30-160 / 3-16	30-160 / 3-16	30-160 / 3-16
Max. temperature	°C	58 / 85	45 / 85	30 / 85
Weight	kg	118	112	108
Dimensions (L × W × H)	mm	1330 × 750 × 1060	1330 × 750 × 1060	1330 × 750 × 1060
Detergent tank	l	20 + 10	20 + 10	20 + 10

Equipment

		EASY!Force Advanced	EASY!Force Advanced	EASY!Force Advanced
Spray gun				
Pressure hose	m	10	10	10
Spray lance	mm	1050	1050	1050
Power nozzle	■	■	■	■
Dry-running protection	■	■	■	■
Pressure hose reel	-	-	-	-
Servo Control	■	■	■	■
Order No.		1.030-906.0	1.030-904.0	1.030-900.0
Price				

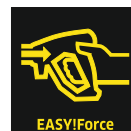
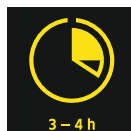
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HDS WITH INTERNAL COMBUSTION ENGINE

Middle class – untiring and professional



High-quality and reliable machine for diverse uses in construction, municipal, agriculture and forestry. Easy to mount on vehicles for space-saving use.



1 Optimum ease of use

- Automatic burner cut-out in case of water shortage and overheating.
- The ergonomically designed spray gun reduces holding and pulling force.

2 Maximum performance

- High-output burner with upright heating coil and detonation-free continuous ignition.
- For removing stubborn encrustations.

HDS 1000 De

HDS 1000 Be

- Diesel engine with electro start
- Professional high-performance hot water machine

- Petrol engine with electro start
- Professional high-performance hot water machine

Technical data

		HDS 1000 De	HDS 1000 Be
Engine manufacturer		Yanmar	Honda
Motor type		L 100 N / diesel	GX 390/petrol
Motor rating	kW / hp	7.4 / 10	9.5 / 13
Flow rate	l/h	450-900	450-900
Working pressure	bar / MPa	40-200 / 4-20	40-210 / 4-21
Max. temperature	°C	98 / 80	98 / 80
Weight	kg	185	165
Dimensions (L × W × H)	mm	1100 × 750 × 785	1100 × 750 × 785
Heating oil or gas consumption, full load	kg/h	5.6	5.6

Equipment

		HDS 1000 De	HDS 1000 Be
Spray gun		EASY!Force Advanced	EASY!Force Advanced
Pressure hose	m	15	15
Power nozzle		■	■
Spray lance	mm	1050	1050
Switchable triple nozzle		-	-
Cage frame		■	■
Pressure hose reel		-	-
Servo Control		■	■
Order No.		1.811-943.0	1.811-942.0
Price			

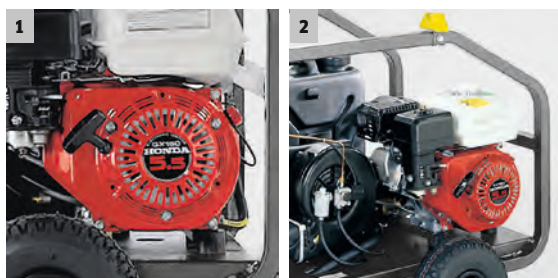
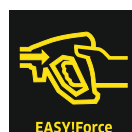
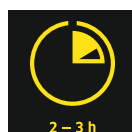
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HDS WITH INTERNAL COMBUSTION ENGINE

Compact class – reliable and economical



These entry-level mobile machines feature powerful, economical petrol and diesel engines and offer useful safety features such as a safety valve against overpressure.



1 Maximum independence

- Efficient four-stroke petrol or diesel engine with reversing starter.
- The right motor for the right job.

2 For the toughest jobs

- Sturdy tubular steel frame protects all components.
- Crane hook for use in the rental business and in construction, agriculture and forestry.

HDS 801 D

HDS 801 B

- Compact hot water unit
- Safety valve protects the unit against overpressure
- Sturdy tubular frame for handling with crane

- Compact hot water unit
- Safety valve protects the unit against overpressure
- Sturdy tubular frame for handling with crane

Technical data

		HDS 801 D	HDS 801 B
Engine manufacturer		Lombardini	Honda
Motor type		15 LD 225 / diesel	GX 160 K1/ petrol
Motor rating	kW / hp	3.5 / 4.8	4 / 5.5
Flow rate	l/h	600	600
Working pressure	bar / MPa	140 / 14	140 / 14
Max. temperature	°C	80	80
Weight	kg	130	110
Dimensions (L × W × H)	mm	1168 × 862 × 767	1168 × 862 × 767
Heating oil or gas consumption, full load	kg/h	4.1	4.1

Equipment

		HDS 801 D	HDS 801 B
Spray gun		EASY!Force Advanced	EASY!Force Advanced
Pressure hose	m	10	10
Power nozzle		-	-
Spray lance	mm	840	840
Switchable triple nozzle		Manual	Manual
Cage frame		■	■
Pressure hose reel		-	-
Servo Control		-	-
Order No.		1.210-901.0	1.210-900.0
Price			

■ Included in delivery.

COMPACT AND VERSATILE

Ideal for tradesmen, building service providers, small businesses and anyone who wants to be mobile on the job: the handy and powerful cold water high-pressure cleaners. Their rugged design, practical carrying handle and integrated accessory storage guarantee maximum flexibility of use with minimal weight. Kärcher quality on the go.



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HD Super class	Page	76	HD Cage Classic	Page	96
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HD Cage Super class	Page	86	Barrel cleaner	Page	103
HD Cage Middle class	Page	87	Weed removal	Page	104
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HD Special class	Page	89	Multi-purpose cleaning machine	Page	107
HD Advanced with combustion engine	Page	92	Accessories	Page	108
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1 Exemplary mobility

Based on the tried-and-tested sack truck principle, all machines come with ergonomic push handles and perfect weight distribution. This allows quick and safe relocation with minimum effort. With the new HD Compact class, the additional carrying handle at the front of the machine allows easy loading and transport, together with accessories. Additional skids on the rear of the unit make it easy to transport the machine up and down stairs. Thanks to the push handle, which can be extended and retracted at the push of a button, the HD Compact class is quickly ready to use and is also compact for transportation and storage.

2 For independent use

Petrol or diesel-powered high-pressure cleaners from Kärcher can be used anywhere there is no power supply available. Where required, water can be pumped directly, e.g. from lakes. This means that the machines are ideal for use in agriculture, construction or in the public sector.





3 Target group-specific solutions

In addition to the standard range, Kärcher also offers target group-specific cold water high-pressure cleaners, which are tailored to specific customer requirements. The HD 10/15-4 Cage Food, for example, is used in the food industry and features very high performance values and hot water resistance up to 85°C. In addition, the high-pressure cleaner is equipped with specially developed accessories which help in fulfilling strict hygiene regulations.

Hot or cold? Whatever you need

With high pressure, the impact pressure is a key factor – perfect for the removal of non-adhesive dirt and large quantities of dirt, for example dust, moss and soil. The advantages of high pressure are:

- Lower acquisition costs
- No energy costs for hot water generation
- Fewer components
- More compact design
- Cost-effective servicing and repair

	Price	Order No.	Supply voltage (phases)	Flow rate (l/h)	Max. pressure (bar/MPa)	Working pressure (bar/MPa)	Integrated cleaning agent tank (l)	Integrated high-pressure hose reel	Crankshaft pump	Infinitely variable pressure and water flow regulation on the machine	Servo Control	Dirt blaster	Spray gun	Spray lance, rotatable	High-pressure nozzle	Page
	HD Super class															
	HD 17/14-4 S Plus	1.286-915.0	3	650-1700	154 / 15.4	30-140 / 3-14	-	-	-	-	■	■	EASY!Force Advanced	■	Power nozzle	77
	HD 17/14-4 SX Plus	1.286-931.0	3	650-1700	154 / 15.4	30-140 / 3-14	-	■	-	-	■	■	EASY!Force Advanced	■	Power nozzle	77
	HD 13/18-4 S Plus	1.286-932.0	3	650-1300	198 / 19.8	30-180 / 3-18	6	-	-	-	■	■	EASY!Force Advanced	■	Power nozzle	77
	HD 13/18-4 SX Plus	1.286-936.0	3	650-1300	198 / 19.8	30-180 / 3-18	6	■	-	-	■	■	EASY!Force Advanced	■	Power nozzle	77
	HD 10/25-4 S / S Plus	1.286-902.0 1.286-913.0	3	500-1000	275 / 27.5	30-250 / 3-25	6	-	-	-	■	- / ■	EASY!Force Advanced	■	Power nozzle	77
	HD 10/25-4 SX Plus	1.286-927.0	3	500-1000	275 / 27.5	30-250 / 3-25	6	■	-	-	■	■	EASY!Force Advanced	■	Power nozzle	77
	HD 10/23-4 S / S Plus	1.286-922.0 1.286-923.0	3	1000	253 / 25.3	230 / 23	6	-	-	-	-	- / ■	EASY!Force Advanced	■	Power nozzle	77
	HD 10/23-4 SX Plus	1.286-924.0	3	1000	253 / 25.3	230 / 23	6	■	-	-	-	■	EASY!Force Advanced	■	Power nozzle	77
	HD Middle class															
	HD 9/20-4 M / M Plus	1.524-924.0 1.524-926.0	3	460-900	220 / 22	40-200 / 4-20	-	-	-	-	■	- / ■	EASY!Force	■	Triple nozzle	79
	HD 9/20-4 MX Plus	1.524-927.0	3	460-900	220 / 22	40-200 / 4-20	-	■	-	-	■	■	EASY!Force	■	Triple nozzle	79
	HD 9/19 M / M Plus	1.524-915.0 1.524-919.0	3	450-890	220 / 22	40-185 / 4-18.5	-	-	-	-	■	- / ■	EASY!Force	■	Triple nozzle	79
	HD 9/19 MX Plus	1.524-922.0	3	450-890	220 / 22	40-185 / 4-18.5	-	■	-	-	■	■	EASY!Force	■	Triple nozzle	79
	HD 7/18-4 M / M Plus	1.524-910.0 1.524-913.0	3	240-700	215 / 21.5	30-180 / 3-18	-	-	-	-	■	- / ■	EASY!Force	■	Triple nozzle	79
	HD 7/18-4 MX Plus	1.524-914.0	3	240-700	215 / 21.5	30-180 / 3-18	-	■	-	-	■	■	EASY!Force	■	Triple nozzle	79
	HD 6/16-4 M / M Plus	1.524-900.0 1.524-903.0	1	230-600	190 / 19	30-160 / 3-16	-	-	-	-	■	- / ■	EASY!Force	■	Triple nozzle	79
	HD 6/16-4 MX Plus	1.524-904.0	1	230-600	190 / 19	30-160 / 3-16	-	■	-	-	■	■	EASY!Force	■	Triple nozzle	79
 	HD Compact class															
	HD 7/18 C	1.151-900.0	3	240-700	215 / 21.5	20-175 / 2-17.5	-	-	-	-	■	-	EASY!Force	■	Triple nozzle	81
	HD 7/18 C Plus	1.151-902.0	3	240-700	215 / 21.5	20-175 / 2-17.5	-	-	-	-	■	■	EASY!Force	■	Triple nozzle	81
	HD 7/18 CX Plus	1.151-908.0	3	240-700	215 / 21.5	20-175 / 2-17.5	-	■	-	-	■	■	EASY!Force	■	Triple nozzle	81
	HD 6/15 C	1.150-903.0	1	230-560	190 / 19	30-150 / 3-15	-	-	-	■	-	-	EASY!Force	■	Triple nozzle	81
	HD 6/15 C Plus	1.150-905.0	1	230-560	190 / 19	30-150 / 3-15	-	-	-	■	-	■	EASY!Force	■	Triple nozzle	81
	HD 6/15 CX Plus	1.150-914.0	1	230-560	190 / 19	30-150 / 3-15	-	■	-	■	-	■	EASY!Force	■	Triple nozzle	81
	HD 6/12-4 C	1.150-900.0	1	300-600	160 / 16	20-120 / 2-12	-	-	-	■	-	-	EASY!Force	■	Triple nozzle	81
	HD 6/12-4 C Plus	1.150-901.0	1	300-600	160 / 16	20-120 / 2-12	-	-	-	■	-	■	EASY!Force	■	Triple nozzle	81
	HD 6/12-4 CX Plus	1.150-902.0	1	300-600	160 / 16	20-120 / 2-12	-	■	-	■	-	■	EASY!Force	■	Triple nozzle	81
	HD 5/17 C	1.520-940.0	1	500	200 / 20	170 / 17	-	-	-	-	-	-	EASY!Force	■	Triple nozzle	83
	HD 5/17 C Plus	1.520-941.0	1	500	200 / 20	170 / 17	-	-	-	-	-	■	EASY!Force	■	Triple nozzle	83
	HD 5/17 CX Plus	1.520-942.0	1	500	200 / 20	170 / 17	-	■	-	-	-	■	EASY!Force	■	Triple nozzle	83
	HD 6/13 C	1.520-950.0	1	560	190 / 19	130 / 13	-	-	-	-	-	-	EASY!Force	■	Triple nozzle	83
	HD 6/13 C Plus	1.520-951.0	1	560	190 / 19	130 / 13	-	-	-	-	-	■	EASY!Force	■	Triple nozzle	83
	HD 6/13 CX Plus	1.520-952.0	1	560	190 / 19	130 / 13	-	■	-	-	-	■	EASY!Force	■	Triple nozzle	83
	HD 5/15 C	1.520-930.0	1	500	200 / 20	150 / 15	-	-	-	-	-	-	EASY!Force	■	Triple nozzle	83
	HD 5/15 C Plus	1.520-931.0	1	500	200 / 20	150 / 15	-	-	-	-	-	■	EASY!Force	■	Triple nozzle	83
	HD 5/15 CX Plus	1.520-932.0	1	500	200 / 20	150 / 15	-	■	-	-	-	■	EASY!Force	■	Triple nozzle	83
	HD 5/12 C	1.520-900.0	1	500	175 / 17.5	120 / 12	-	-	-	-	-	-	EASY!Force	■	Triple nozzle	83
	HD 5/12 C Plus	1.520-901.0	1	500	175 / 17.5	120 / 12	-	-	-	-	-	■	EASY!Force	■	Triple nozzle	83
	HD 5/12 CX Plus	1.520-902.0	1	500	175 / 17.5	120 / 12	-	■	-	-	-	■	EASY!Force	■	Triple nozzle	83

■ Included in delivery.



	Price	Order No.	Supply voltage (phases)	Flow rate (l/h)	Max. pressure (bar/MPa)	Working pressure (bar/MPa)	Integrated cleaning agent tank (l)	Integrated high-pressure hose reel	Crankshaft pump	Infinitely variable pressure and water flow regulation on the machine	Servo Control	Dirt blaster	Spray gun	Spray lance, rotatable	High-pressure nozzle	Page
HD Portable class																
HD 5/11 P		1.520-960.0	1	490	160 / 16	110 / 11	-	-	-	-	-	-	EASY!Force	■	Power nozzle	85
HD 5/11 P Plus		1.520-961.0	1	490	160 / 16	110 / 11	-	-	-	-	-	■	EASY!Force	■	Power nozzle	85
HD Special class																
HD 25/15-4 Cage Plus		1.353-907.0	3	500-2500	190 / 19	30-150 / 3-15	-	-	■	■	■	■	Industry	■	Power nozzle	86
HD 20/15-4 Cage Plus		1.353-906.0	3	500-2000	190 / 19	30-150 / 3-15	-	-	■	■	■	■	Industry	■	Power nozzle	86
HD 16/15-4 Cage Plus		1.353-905.0	3	500-1600	190 / 19	30-150 / 3-15	-	-	■	■	■	■	EASY!Force Advanced	■	Power nozzle	86
HD 10/25-4 Cage Plus		1.353-902.0	3	1000	273 / 27.3	250 / 25	-	-	-	-	-	■	EASY!Force Advanced	■	Power nozzle	87
HD 715		1.353-909.0	3	250-700	175 / 17.5	10-150 / 1-15	-	-	-	■	-	-	EASY!Force	■	Triple nozzle	88
HD 600		1.353-900.0	1	240-650	125 / 12.5	10-110 / 1-11	-	-	-	■	-	-	EASY!Force	■	Triple nozzle	88
HD 10/16-4 Cage Ex		1.353-904.0	3	1000	220 / 22	160 / 16	-	-	■	-	-	-	EASY!Force Ex protection	■	Power nozzle	89
HD 10/15-4 Cage Food		1.353-908.0	3	440-990	175 / 17.5	20-145 / 2-14.5	-	-	-	-	■	-	EASY!Force Food	■	Power nozzle	90
HD 7/10 CXF		1.151-906.0	3	250-700	120 / 12	10-100 / 1-10	-	■	-	-	■	-	EASY!Force Food	■	Triple nozzle	91
HD with combustion engine																
HD 9/23 De		1.187-907.0	-	400-930	250 / 25	40-230 / 4-23	-	-	-	-	■	-	EASY!Force Advanced	■	Power nozzle	93
HD 9/23 G		1.187-906.0	-	400-930	250 / 25	40-230 / 4-23	-	-	-	-	■	-	EASY!Force Advanced	■	Power nozzle	93
HD 9/21 G		1.187-905.0	-	200-850	230 / 23	10-210 / 1-21	-	-	-	■	-	-	EASY!Force Advanced	■	Power nozzle	93
HD 8/20 G		1.187-904.0	-	200-750	230 / 23	10-200 / 1-20	-	-	-	■	-	-	EASY!Force Advanced	■	Power nozzle	93
HD 7/15 G		1.187-903.0	-	650	160 / 16	150 / 15	-	-	-	-	-	-	EASY!Force Advanced	■	Power nozzle	93
HD 728 B		1.187-908.0	-	650	160 / 16	150 / 15	-	-	-	-	-	-	EASY!Force Advanced	■	Triple nozzle	93
HD Classic																
HD 9/20-4 Classic		1.367-308.0	3	520-900	240 / 24	70-200 / 7-20	-	-	■	■	-	-	Standard	-	Power nozzle	95
HD 7/18-4 Classic		1.367-307.0	3	520-700	220 / 22	70-180 / 7-18	-	-	■	■	-	-	Standard	-	Power nozzle	95
HD 6/15-4 Classic		1.367-306.0	1	450-600	190 / 19	70-150 / 7-15	-	-	■	■	-	-	Standard	-	Power nozzle	95
HD 7/11-4 Classic		1.367-305.0	1	520-700	150 / 15	70-110 / 7-11	-	-	■	■	-	-	Standard	-	Power nozzle	95
HD 5/11 Cage Classic		1.520-204.0	1	500	160 / 16	110 / 11	-	-	-	-	-	-	Standard	-	Power nozzle	96
HD 9/18-4 Cage Classic		1.367-315.0	3	450-900	240 / 24	70-180 / 7-18	-	-	■	■	-	-	Standard	-	Power nozzle	97
HD 7/16-4 Cage Classic		1.367-314.0	3	400-700	220 / 22	70-160 / 7-16	-	-	■	■	-	-	Standard	-	Power nozzle	97
HD 7/11-4 Cage Classic		1.367-318.0	1	520-700	220 / 22	70-110 / 7-11	-	-	■	■	-	-	Standard	-	Power nozzle	97
HD 8/23 G Classic		1.187-902.0	-	800	280 / 28	230 / 23	-	-	■	-	-	-	EASY!Force	■	Power nozzle	99
HD 7/20 G Classic		1.187-901.0	-	700	250 / 25	200 / 20	-	-	■	-	-	-	EASY!Force	■	Power nozzle	99
HD 6/15 G Classic		1.187-900.0	-	600	200 / 20	150 / 15	-	-	■	-	-	-	EASY!Force	■	Power nozzle	99

■ Included in delivery.

HD SUPER CLASS



Super class – perfect for tough jobs in non-stop use

Where vast amounts of dirt accumulate every day, reliable Kärcher Super class models provide indispensable services. Ideal for use in the construction, agricultural and forestry sectors as well as industry and municipal facilities.



1 Proven Kärcher quality

- Four-pole water-cooled electric motor.
- Robust brass cylinder head and ceramic piston.
- Reinforced, unbreakable plastic chassis.



2 Hose storage

- With bearings on both sides, for 20 m pressure hose.
- Hose guide passes under machine for high resistance to tipping.
- For fast, convenient fitting and removal.



3 For increased safety

- Integrated electronics system for machine monitoring.
- Automatic switch-off in case of low voltage range or overvoltage.
- Switches off in case of leaks or phase failure.



4 Outstanding mobility

- Large rubber wheels for negotiating uneven surfaces, stairs and landings.
- Proven sack truck principle for easy, ergonomic transport.

TECHNICAL DATA AND EQUIPMENT

		HD 17/14-4S Plus HD 17/14-4SX Plus	HD 13/18-4 S Plus HD 13/18-4 SX Plus	HD 10/25-4 S HD 10/25-4 S Plus HD 10/25-4 SX Plus
		<ul style="list-style-type: none"> Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners. Water-cooled three-phase motor Outstanding flushing action 	<ul style="list-style-type: none"> Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners. Water-cooled three-phase motor Outstanding flushing action 	<ul style="list-style-type: none"> Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners. Water-cooled three-phase motor Maximum impact pressure for stubborn dirt
Technical data				
Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Connection load	kW	9.4	9.2	9.2
Flow rate	l/h	650-1700	650-1300	500-1000
Working pressure	bar / MPa	30-140 / 3-14	30-180 / 3-18	30-250 / 3-25
Max. pressure	bar / MPa	154 / 15.4	198 / 19.8	275 / 27.5
Max. inlet temperature	°C	60	60	60
Weight	kg	63 65	62 64	62 62 64
Dimensions (L × W × H)	mm	560 × 500 × 1090	560 × 500 × 1090	560 × 500 × 1090
Equipment				
Detergent tank	l	-	6	6
Spray gun		EASY!Force Advanced	EASY!Force Advanced	EASY!Force Advanced
Pressure hose	m	10 15	10 20	10 10 20
Spray lance	mm	1050	1050	1050
Switchable triple nozzle		-	-	-
Power nozzle	■	■	■	■
Dirt blaster	■	■	■	- ■ ■
Pressure hose reel	- ■	- ■	- ■	- - ■
Servo Control	■	■	■	■
Order No.		1.286-915.0 -931.0	1.286-932.0 -936.0	1.286-902.0 -913.0 -927.0
Price				

■ Included in delivery.

HD 10/23-4 S HD 10/23-4 S Plus HD 10/23-4 SX Plus

		<ul style="list-style-type: none"> Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners. Water-cooled three-phase motor Features Kärcher power nozzle
Technical data		
Supply voltage	Ph / V / Hz	3 / 400 / 50
Connection load	kW	7.8
Flow rate	l/h	1000
Working pressure	bar / MPa	230 / 23
Max. pressure	bar / MPa	253 / 25.3
Max. inlet temperature	°C	60
Weight	kg	62 62 64
Dimensions (L × W × H)	mm	560 × 500 × 1090
Equipment		
Detergent tank	l	6
Spray gun		EASY!Force Advanced
Pressure hose	m	10 10 20
Spray lance	mm	1050
Switchable triple nozzle		-
Power nozzle	■	■
Dirt blaster	- ■ ■	- ■ ■
Pressure hose reel	- - ■	- - ■
Servo Control	-	-
Order No.		1.286-922.0 -923.0 -924.0
Price		

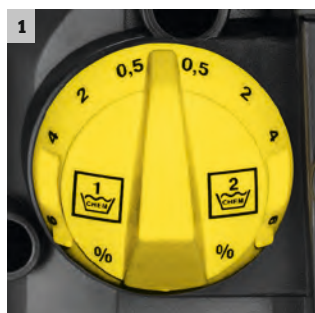
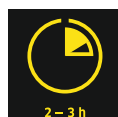
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HD MIDDLE CLASS



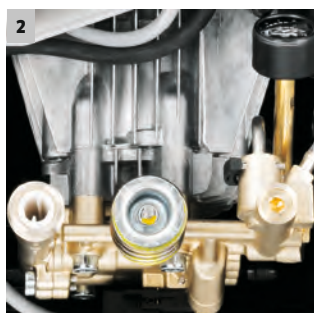
Middle class – excellent features

These Middle class machines are extremely mobile and user-friendly with low-speed four-pole AC or three-phase motors for continuous use.



1 SwitchChem

- For precise and infinitely variable cleaning agent dosing.
- Two-way dosing valve for switching between different cleaning agents.
- Easy cleaning agent bottle changeover.



2 Powerful and durable

- Air/water-cooled electric motors for intensive use.
- Four-pole low-speed electric motor.
- Ceramic-coated piston.



3 Outstanding mobility

- Large wheels for uneven surfaces.
- Upright design for easy, ergonomic transport.
- Integrated tilting aid at the rear of the unit.



4 Clever features

- Power cord storage at the rear of the unit.
- Integrated lance fixation for easy transport.
- Parking position for working interruptions.

TECHNICAL DATA AND EQUIPMENT

HD 9/20-4 M HD 9/20-4 M Plus HD 9/20-4 MX Plus

HD 9/19 M HD 9/19 M Plus HD 9/19 MX Plus

HD 7/18-4 M HD 7/18-4 M Plus HD 7/18-4 MX Plus

- Air/water-cooled motor
- Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners.
- 3-piston pump with ceramic pistons

- Three-phase motor: sturdy and robust
- Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners.
- SwitchChem dosing

- Robust, four-pole low-speed three-phase motor
- Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners.
- SwitchChem dosing

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Connection load	kW	7	6.8	5
Flow rate	l/h	460-900	450-890	240-700
Working pressure	bar / MPa	40-200 / 4-20	40-185 / 4-18.5	30-180 / 3-18
Max. pressure	bar / MPa	220 / 22	220 / 22	215 / 21.5
Max. inlet temperature	°C	60	60	60
Weight	kg	48 48 50	43 43 45	49 49 52
Dimensions (L × W × H)	mm	467 × 407 × 1010	467 × 407 × 1010	467 × 407 × 1010

Equipment

Spray gun		EASY!Force	EASY!Force	EASY!Force
Pressure hose	m	10 10 15	10 10 15	10 10 15
Spray lance	mm	1050	1050	1050
Switchable triple nozzle		Manual	Manual	Manual
Power nozzle		-	-	-
Dirt blaster		- ■ ■	- ■ ■	- ■ ■
Pressure hose reel		- - ■	- - ■	- - ■
Servo Control		■	■	■

Order No.	1.524-924.0 -926.0 -927.0	1.524-915.0 -919.0 -922.0	1.524-910.0 -913.0 -914.0
Price			

■ Included in delivery.

HD 6/16-4 M HD 6/16-4 M Plus HD 6/16-4 MX Plus

- four-pole AC motor
- Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners.
- SwitchChem dosing

Technical data

Supply voltage	Ph / V / Hz	1 / 230 / 50
Connection load	kW	3.4
Flow rate	l/h	230-600
Working pressure	bar / MPa	30-160 / 3-16
Max. pressure	bar / MPa	190 / 19
Max. inlet temperature	°C	60
Weight	kg	48 48 50
Dimensions (L × W × H)	mm	467 × 407 × 1010

Equipment

Spray gun		EASY!Force
Pressure hose	m	10 10 15
Spray lance	mm	1050
Switchable triple nozzle		Manual
Power nozzle		-
Dirt blaster		- ■ ■
Pressure hose reel		- - ■
Servo Control		■

Order No.	1.524-900.0 -903.0 -904.0
Price	

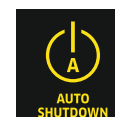
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HD COMPACT CLASS



The Compact class – durability in a small package

Whether they are used in a trade, by a cleaning company or in municipal facilities, the powerful and durable all-purpose machines in the Compact class are extremely versatile and impress with their extensive range of equipment.



1 Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners

- At last – work without getting tired: the EASY!Force high-pressure gun.
- EASY!Lock quick-release fasteners: durable and robust. And five times faster than screws.



2 Accessory storage

- Clever features such as nozzle storage for added convenience.
- On-board cord storage with clip.
- Integrated hose reel with 15 m pressure hose. For a large operating radius and effortless stowage (CX versions).



3 Extendable push handle

- Large aluminium profiles ensure stability and easy turning manoeuvre.
- Acts as an accessory holder when extended.
- When retracted, it takes up little space and is easy to transport in a service vehicle/estate car, for example.



4 Outstanding mobility

- For fast cleaning at different locations of use.
- Space-saving storage in service vehicles.
- Short set-up times thanks to integrated storage possibilities.

TECHNICAL DATA AND EQUIPMENT

		HD 7/18 C HD 7/18 C Plus HD 7/18 CX Plus	HD 6/15 C HD 6/15 C Plus HD 6/15 CX Plus	HD 6/12-4 C HD 6/12-4 C Plus HD 6/12-4 CX Plus
		<ul style="list-style-type: none"> Three-phase motor: sturdy and robust Servo Control: variable water and pressure volume regulation direct from the trigger gun Rotatable stainless steel spray lance 	<ul style="list-style-type: none"> Three-piston axial pump with ceramic pistons Excellent mobility due to compact dimensions and low weight Infinitely variable pressure regulation 	<ul style="list-style-type: none"> Four-pole, low-speed, robust AC motor Three-piston axial pump with ceramic pistons Infinitely variable pressure regulation
Technical data				
Supply voltage	Ph / V / Hz	3 / 400 / 50	1 / 230 / 50	1 / 230 / 50
Connection load	kW	4.7	3.1	2.8
Flow rate	l/h	240-700	230-560	300-600
Working pressure	bar / MPa	20-175 / 2-17.5	30-150 / 3-15	20-120 / 2-12
Max. pressure	bar / MPa	215 / 21.5	190 / 19	160 / 16
Max. inlet temperature	°C	60	60	60
Weight	kg	24 24 29	23 23 28	24 24 29
Dimensions (L × W × H)	mm	360 × 375 × 925 360 × 375 × 925 360 × 400 × 925	360 × 375 × 925 360 × 375 × 925 360 × 400 × 925	360 × 375 × 925 360 × 375 × 925 360 × 400 × 925
Equipment				
Spray gun		EASY!Force	EASY!Force	EASY!Force
Pressure hose	m	10 10 15	10 10 15	10 10 15
Spray lance	mm	840	840	840
Switchable triple nozzle		Manual	Manual	Manual
Power nozzle		-	-	-
Dirt blaster		- ■ ■	- ■ ■	- ■ ■
Pressure hose reel		- - ■	- - ■	- - ■
Servo Control		■	-	-
Order No.		1.151-900.0 -902.0 -908.0	1.150-903.0 -905.0 -914.0	1.150-900.0 -901.0 -902.0
Price				

■ Included in delivery.

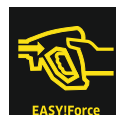
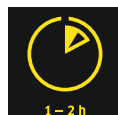
Accessories			
Product name	Order No.	Description	Price
Cup foam lance Advanced 042	2.112-018.0	Short, handy foam lance with 1-litre cleaning agent container directly on the lance. Thanks to its compact construction style, it is ideal, for example, for cleaning lorries with foam. Swivelling connection M 22 × 1.5, variable cleaning agent dosage via control on lance, adjustable spray angle.	
High-pressure hose 2x EASY!Lock, ID 8, 315 bar, 10 m, ANTI!Twist FR 30	6.110-031.0	High-pressure hose with EASY!Lock hand screw connection at both ends.	
	2.111-011.0	Up to 10 times greater area coverage compared with the conventional high-pressure jet. Plastic casing for optimal manoeuvrability, double ceramic bearing for long working times, flexible connection joint for optimal handling and integrated parking position. Machine-specific nozzle kit must be ordered separately. Max. 180 bar / 850 l/h / 60°C.	
Quick coupling	2.115-000.0	For quick changing between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface.	
Male coupling	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000.0	
Pipe cleaning hose, ID 6, 20 m, max. 140 bar	6.110-049.0	Particularly flexible high-pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8").	
Pipe cleaning dirt blaster D 25 / 040	6.415-944.0	With R 1/8" connection for attachment to pipe cleaning hose. 1 × forward rotary nozzle, 3 × 30° backwards.	
Rotating wash brush for < 800 l/h machines, nylon bristles	4.113-004.0	Driven by the water stream. For gentle removal of fine dust and grey film on all surfaces. Temperature-resistant up to 60°C (replaceable brush insert).	
Telescopic spray lance	4.112-037.0	Can be continuously extended from 1.8 to 5.4 m. For cleaning areas that are difficult to reach (e.g. ceilings, facades). With integrated HD trigger gun.	

HD COMPACT CLASS



Practical. Everywhere

Light, compact, mobile and versatile. For vertical and horizontal operation. With clever accessory storage and long service life thanks to the brass cylinder head and automatic pressure relief.



1 Mobility

- Integrated carrying handle on the front of the machine enables easy loading and convenient transport.
- Push handle can be retracted at the push of a button.
- Compact construction style.

2 Flexibility

- Vertical and horizontal operation possible.
- The wheels are not on during horizontal operation. As such, the machine offers maximum stability.
- Separate park and transport position for the spray unit.

3 Quality

- The automatic pressure relief protects the components and extends the service life of the machine.
- High-quality brass cylinder head.
- Large, easy-to-reach water fine filter for protecting the pump against dirt particles in the water.

4 Accessory storage

- Screw connection (M 18 × 1.5) for storing a Surface Cleaner directly on the machine.
- Practical nozzle compartments for triple nozzle and rotary nozzle.
- Rubber strap for fixing the pressure hose.

TECHNICAL DATA AND EQUIPMENT

HD 5/17 C HD 5/17 C Plus HD 5/17 CX Plus

HD 6/13 C HD 6/13 C Plus HD 6/13 CX Plus

HD 5/15 C HD 5/15 C Plus HD 5/15 CX Plus

- Automatic pressure relief
- For horizontal and vertical operation
- Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners

- Automatic pressure relief
- For horizontal and vertical operation
- Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners

- Automatic pressure relief
- For horizontal and vertical operation
- Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners

Technical data

Supply voltage	Ph / V / Hz	1 / 230 / 50	1 / 230 / 50	1 / 230 / 50
Connection load	kW	3	2.9	2.8
Flow rate	l/h	480	590	500
Working pressure	bar / MPa	170 / 17	130 / 13	150 / 15
Max. pressure	bar / MPa	200 / 20	190 / 19	200 / 20
Max. inlet temperature	°C	60	60	60
Weight	kg	25.2 25.2 27.5	25.2 25.2 27.5	25.2 25.2 27.5
Dimensions (L × W × H)	mm	380 × 360 × 930 380 × 360 × 930 380 × 370 × 930	380 × 360 × 930 380 × 360 × 930 380 × 370 × 930	380 × 360 × 930 380 × 360 × 930 380 × 370 × 930

Equipment

Spray gun		EASY!Force	EASY!Force	EASY!Force
Pressure hose	m	10 10 15	10 10 15	10 10 15
Spray lance	mm	840	840	840
Switchable triple nozzle		Manual	Manual	Manual
Power nozzle		-	-	-
Dirt blaster		- ■ ■	- ■ ■	- ■ ■
Pressure hose reel		- - ■	- - ■	- - ■
Servo Control		-	-	-
Order No.		1.520-940.0 -941.0 -942.0	1.520-950.0 -951.0 -952.0	1.520-930.0 -931.0 -932.0
Price				

■ Included in delivery.

HD 5/12 C HD 5/12 C Plus HD 5/12 CX Plus

- Automatic pressure relief
- For horizontal and vertical operation
- Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners

Technical data

Supply voltage	Ph / V / Hz	1 / 230 / 50
Connection load	kW	2.5
Flow rate	l/h	500
Working pressure	bar / MPa	120 / 12
Max. pressure	bar / MPa	175 / 17.5
Max. inlet temperature	°C	60
Weight	kg	23.7 23.7 26
Dimensions (L × W × H)	mm	380 × 360 × 930 380 × 360 × 930 380 × 370 × 930

Equipment

Spray gun		EASY!Force
Pressure hose	m	10 10 15
Spray lance	mm	840
Switchable triple nozzle		Manual
Power nozzle		-
Dirt blaster		- ■ ■
Pressure hose reel		- - ■
Servo Control		-
Order No.		1.520-900.0 -901.0 -902.0
Price		

■ Included in delivery.

HD PORTABLE CLASS

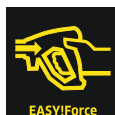


Maximum performance and minimum space

High-pressure cleaner with compact design and low weight – the best prerequisites for mobile applications. Ideal for tradesmen. With automatic pressure relief.



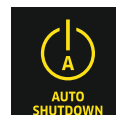
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EASY!Force



EASY!Lock



AUTO SHUTDOWN



1



2



3



4

1 Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners

- At last – work without getting tired: the EASY!Force high-pressure gun.
- EASY!Lock quick-release fasteners: durable and robust. And five times faster than screws.

2 Excellent mobility

- The integrated carrying handle on the front of the machine enables easy loading and convenient transport.
- Compact construction style and low weight.

3 Flexibility

- Vertical and horizontal operation possible.
- Separate park and transport position for the spray unit.
- The machine offers maximum stability in horizontal operation.

4 Quality

- The automatic pressure relief protects the components and extends the service life of the machine.
- High-quality brass cylinder head.

TECHNICAL DATA AND EQUIPMENT

HD 5/11 P HD 5/11 P Plus

- Automatic pressure relief
- For horizontal and vertical operation
- Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners

Technical data		
Supply voltage	Ph / V / Hz	1 / 230 / 50
Connection load	kW	2.2
Flow rate	l/h	490
Working pressure	bar / MPa	110 / 11
Max. pressure	bar / MPa	160 / 16
Max. inlet temperature	°C	60
Weight	kg	20.5
Dimensions (L × W × H)	mm	351 × 312 × 904

Equipment		
Spray gun		EASY!Force
Pressure hose	m	10
Spray lance	mm	840
Switchable triple nozzle		-
Power nozzle		■
Dirt blaster		- ■
Pressure hose reel		-
Servo Control		-
Order No.		1.520-960.0 -961.0
Price		

■ Included in delivery.

Accessories			
Product name	Order No.	Description	Price
Cup foam lance Advanced 042	2.112-018.0	Short, handy foam lance with 1-litre cleaning agent container directly on the lance. Thanks to its compact construction style, it is ideal, for example, for cleaning lorries with foam. Swivelling connection M 22 × 1.5, variable cleaning agent dosage via control on lance, adjustable spray angle.	
High-pressure hose 2 × EASY!Lock, ID 8, 315 bar, 10 m, ANTI!Twist	6.110-031.0	High-pressure hose with EASY!Lock hand screw connection at both ends.	
FR 30	2.111-011.0	Up to 10 times greater area coverage compared with the conventional high-pressure jet. Plastic casing for optimal manoeuvrability, double ceramic bearing for long working times, flexible connection joint for optimal handling and integrated parking position. Machine-specific nozzle kit must be ordered separately. Max. 180 bar / 850 l/h / 60°C.	
Quick coupling	2.115-000.0	For quick changing between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface.	
Male coupling	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000.0	
Pipe cleaning hose, ID 6, 20 m, max. 140 bar	6.110-049.0	Particularly flexible high-pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8").	
Pipe cleaning dirt blaster D 25 / 040	6.415-944.0	With R 1/8" connection for attachment to pipe cleaning hose. 1 × forward rotary nozzle, 3 × 30° backwards.	
Rotating wash brush for < 800 l/h machines, nylon bristles	4.113-004.0	Driven by the water stream. For gentle removal of fine dust and grey film on all surfaces. Temperature-resistant up to 60°C (replaceable brush insert).	
Telescopic spray lance	4.112-037.0	Can be continuously extended from 1.8 to 5.4 m. For cleaning areas that are difficult to reach (e.g. ceilings, facades). With integrated HD trigger gun.	

HD CAGE SUPER CLASS



Cage Super class – for the toughest jobs

The Cage Super class provides high mobility and outstanding performance for prolonged operating periods. Exceptionally high water flow rate quickly removes stubborn dirt and soiling.



4 – 6 h



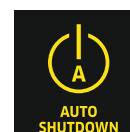
SERVO CONTROL



FLAT FREE TIRES



EASY!Lock



AUTO SHUTDOWN



1 Cage frame

- Robust outer tubular frame.
- With integrated crane hook and accessory compartment.

2 Electronic monitoring for greater operational safety

- Leakage protection and soft start.
- Overvoltage and undervoltage protection.

HD 25/15-4 Cage Plus

- High-grade steel frame
- Automatic soft start, leakage protection, dry-running protection, protection against two-phase short circuit
- Puncture-proof wheels for maximum mobility

HD 20/15-4 Cage Plus

- Powder-coated tubular steel frame
- Automatic soft start and high-end trigger gun
- Puncture-proof wheels for maximum mobility

HD 16/15-4 Cage Plus

- Powder-coated tubular steel frame
- four-pole air-cooled electric motor
- Puncture-proof wheels for maximum mobility

Technical data

	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Supply voltage				
Connection load	kW	12.5	11	9.5
Flow rate	l/h	500-2500	500-2000	500-1600
Working pressure	bar / MPa	30-150 / 3-15	30-150 / 3-15	30-150 / 3-15
Max. pressure	bar / MPa	190 / 19	190 / 19	190 / 19
Max. inlet temperature	°C	60	60	60
Weight	kg	112	110	95
Dimensions (L × W × H)	mm	957 × 686 × 1080	957 × 686 × 1080	957 × 686 × 1080

Equipment

		Industry	Industry	EASY!Force Advanced
Spray gun				
Pressure hose	m	15	15	15
Spray lance	mm	1050	1050	1050
Switchable triple nozzle		-	-	-
Power nozzle	■	■	■	■
Dirt blaster	■	■	■	■
Pressure hose reel	-	-	-	-
Servo Control	■	■	■	■
Order No.		1.353-907.0	1.353-906.0	1.353-905.0
Price				

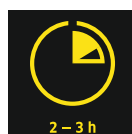
■ Included in delivery.

HD CAGE MIDDLE CLASS

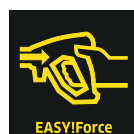


Cage Middle class – for really tough jobs

Machine with sturdy frame and crane attachment point for tough jobs on difficult terrain. Ideal for removing stubborn dirt in the construction industry, agriculture, forestry and municipal facilities.



2 – 3 h



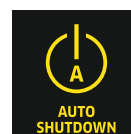
EASY!Force



ANTI-TWIST



EASY!Lock



AUTO SHUTDOWN



1



2

1 Powder-coated cage frame

- Ergonomic handle and hose storage.
- Protection against damage to the machine.

2 Water fine filter

- Protects high-pressure pump from dirt ingress.
- Easy to use, easy to clean

HD 10/25-4 Cage Plus

- With integrated crane attachment point
- Heavy-duty equipment

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50
Connection load	kW	9.2
Flow rate	l/h	1000
Working pressure	bar / MPa	250 / 25
Max. pressure	bar / MPa	273 / 27.3
Max. inlet temperature	°C	60
Weight	kg	62
Dimensions (L × W × H)	mm	547 × 543 × 1104

Equipment

Spray gun		EASY!Force Advanced
Pressure hose	m	10
Spray lance	mm	1050
Switchable triple nozzle		-
Power nozzle	■	
Dirt blaster	■	
Pressure hose reel		-
Servo Control		-
Order No.		1.353-902.0
Price		

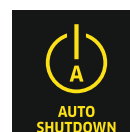
- Included in delivery.

HD CAGE COMPACT CLASS

Cage Compact class – can be used everywhere



These Compact class machines with robust tubular frame are ideal for complex building site use. The integrated handle ensures easy transport on scaffolding and easy loading by crane.



1 Cage frame

- Robust, portable tubular steel frame.
- Integrated carrying handle and crane hook.

2 Cage frame

- Space-saving storage.
- Safe storage of machine and accessories.

HD 715

HD 600

- Specially designed for painters and façade cleaners
- Rotatable stainless steel spray lance
- Infinitely variable pressure regulation

- Specially designed for painters and façade cleaners
- Rotatable stainless steel spray lance
- Infinitely variable pressure regulation

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50	1 / 230 / 50
Connection load	kW	4.7	3
Flow rate	l/h	250–700	240–650
Working pressure	bar / MPa	10–150 / 1–15	10–110 / 1–11
Max. pressure	bar / MPa	175 / 17.5	125 / 12.5
Max. inlet temperature	°C	60	60
Weight	kg	29	29
Dimensions (L × W × H)	mm	500 × 310 × 350	500 × 310 × 350

Equipment

Spray gun		EASY!Force	EASY!Force
Pressure hose	m	15	10
Spray lance	mm	840	600
Switchable triple nozzle		Manual	Manual
Power nozzle		–	–
Dirt blaster		–	–
Pressure hose reel		–	–
Servo Control		–	–
Order No.		1.353-909.0	1.353-900.0
Price			

■ Included in delivery.

HD SPECIAL CLASS

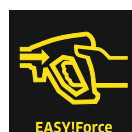


Cage Ex – for potentially explosive atmospheres

This machine complies with all safety requirements for use in potentially explosive atmospheres. Technical features and accessories are tailored to meet these special requirements.



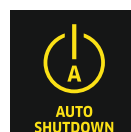
4 – 6 h



EASY!Force



EASY!Lock

AUTO
SHUTDOWNCERTIFIED ACCORDING
TO DIR 2014/34/EU

1 Powder-coated cage frame, electrically conductive

- Robust tubular steel frame.
- With integrated crane hook.

2 Explosion-proof equipment

- Conductive rubber tyres.
- Surface temperature always under 200°C.

HD 10/16-4 Cage Ex

- Explosion protection II 2 G c T3
- Crankshaft pump with ceramic pistons
- four-pole air-cooled electric motor

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50
Connection load	kW	5.5
Flow rate	l/h	1000
Working pressure	bar / MPa	160 / 16
Max. pressure	bar / MPa	220 / 22
Max. inlet temperature	°C	50
Weight	kg	111
Dimensions (L × W × H)	mm	980 × 720 × 1100

Equipment

Spray gun		EASY!Force Ex protection
Pressure hose	m	10
Spray lance	mm	1050
Switchable triple nozzle		-
Power nozzle	■	
Dirt blaster		-
Pressure hose reel		-
Servo Control		-
Order No.		1.353-904.0
Price		

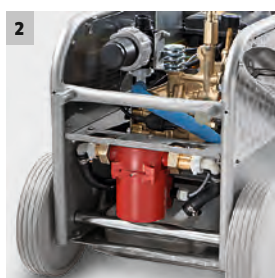
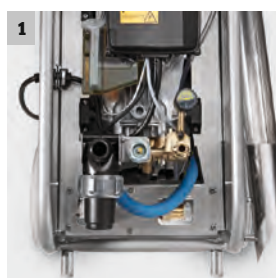
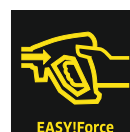
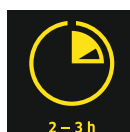
■ Included in delivery.

HD SPECIAL CLASS



Cage Food – for intensive use in the food industry

The high-performance HD 10/15-4 Cage F is resistant to hot water up to 85°C and ideal for use in the food industry; all components in contact with water are food-grade.



1 Complies with the most rigorous hygiene requirements

- Non-corrosive stainless steel.
- All parts that come into contact with water are made from special food-grade brass.

2 Particularly effective cleaning

- Advance pressure pump for inlet temperature of up to 85°C.
- Approved for RM 734 chlorinated cleaning agent.

HD 10/15-4 Cage Food

- Grease-resistant high-pressure hose
- 2 cleaning agent tanks with rinse function

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50
Connection load	kW	6.4
Flow rate	l/h	440-990
Working pressure	bar / MPa	20-145 / 2-14.5
Max. pressure	bar / MPa	175 / 17.5
Max. inlet temperature	°C	85
Weight	kg	68
Dimensions (L x W x H)	mm	650 x 521 x 1100

Equipment

Spray gun		EASY!Force Food
Pressure hose	m	10
Spray lance	mm	1050
Switchable triple nozzle		-
Power nozzle		■
Dirt blaster		-
Pressure hose reel		-
Servo Control		■

Order No. 1.353-908.0

Price

- Included in delivery.

HD SPECIAL CLASS

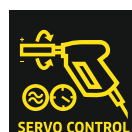


Compact food class – for strict hygiene requirements

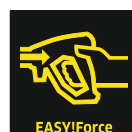
Cold water high-pressure cleaner for all-purpose use in the sanitary/food industry. This compact machine allows you to regulate pressure and water volume seamlessly.



1 – 2 h



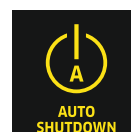
SERVO CONTROL



EASY!Force



EASY!Lock



AUTO SHUTDOWN



1 Save energy and time: EASY!Force high-pressure gun and EASY!Lock quick-release fasteners

- At last – work without getting tired: the EASY!Force high-pressure gun.
- EASY!Lock quick-release fasteners: durable and robust. And five times faster than screws.

2 Hygiene requirements

- Integrated hose reel with food-grade pressure hose and robust, grey wheels.
- Water inlet temperature up to 80°C.

HD 7/10 CXF

- For sanitary/hygiene/food industry
- Grey, non-marking wheels

Technical data		
Supply voltage	Ph / V / Hz	3 / 400 / 50
Connection load	kW	4.5
Flow rate	l/h	250–700
Working pressure	bar / MPa	10–100 / 1–10
Max. pressure	bar / MPa	120 / 12
Max. inlet temperature	°C	80
Weight	kg	31.3
Dimensions (L × W × H)	mm	360 × 375 × 925
Equipment		
Spray gun		EASY!Force Food
Pressure hose	m	15
Spray lance	mm	840
Switchable triple nozzle		Manual
Power nozzle		–
Dirt blaster		–
Pressure hose reel		■
Servo Control		■
Order No.		1.151-906.0
Price		

■ Included in delivery.

HD ADVANCED WITH COMBUSTION ENGINE



Full power. Anywhere, anytime – even without power

If you require the highest cleaning performance regardless of power supply, you will always be on the safe side with our robust Advanced range cold water high-pressure cleaners with combustion engine



1 Maximum independence

- Fitted with reliable Honda or Yanmar motors for use without an external power supply.
- Can suck up water – e.g. from lakes or ponds – and use it for cleaning.



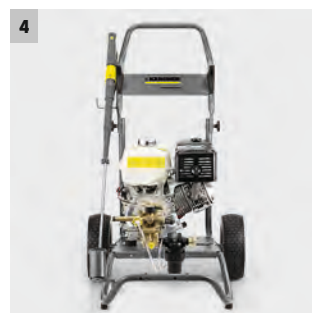
2 Optimum ease of use

- The ergonomic frame concept makes transport on uneven ground easier.
- Storage possibilities for all accessory parts directly on the machine.
- Puncture-proof wheels guarantee permanently high mobility.



3 Highly versatile

- Optional cage frame with eyelets for crane loading reliably protects the machine.
- Hose reel attachment kit for shorter set-up & finishing-off times available as an optional extra.
- Portable version with robust tubular frame specially designed for painters and plasterers (HD 728 B).



4 For the toughest jobs

- Robust basic frame for daily use in tough conditions.
- Large water filter to protect the pump.
- Thermostat valve to protect the pump from overheating in recirculation mode.

TECHNICAL DATA AND EQUIPMENT

		HD 9/23 De	HD 9/23 G	HD 9/21 G
		<ul style="list-style-type: none"> ■ Economical diesel engine with convenient electro start ■ Infinitely variable water pressure and water flow regulation with Servo Control on the high-pressure lance ■ Automatic speed reduction 	<ul style="list-style-type: none"> ■ Infinitely variable water pressure and water flow regulation with Servo Control on the high-pressure lance ■ Automatic speed reduction ■ Puncture-proof wheels for maximum mobility 	<ul style="list-style-type: none"> ■ Robust, powder-coated tubular frame ■ Infinitely variable water pressure and water flow regulation on the machine ■ Puncture-proof wheels for maximum mobility
Technical data				
Engine manufacturer		Yanmar	Honda	Honda
Motor type		L 100 N / diesel	GX 390/petrol	GX 340/petrol
Motor rating	kW / hp	7.4 / 10	9.5 / 13	8 / 11
Flow rate	l/h	400-930	400-930	200-850
Working pressure	bar / MPa	40-230 / 4-23	40-230 / 4-23	10-210 / 1-21
Max. inlet temperature	°C	60	60	60
Weight	kg	108	71	68
Dimensions (L × W × H)	mm	870 × 725 × 1170	870 × 725 × 1170	870 × 725 × 1170
Equipment				
Spray gun		EASY!Force Advanced	EASY!Force Advanced	EASY!Force Advanced
Pressure hose	m	15	15	15
Spray lance	mm	1050	1050	1050
Power nozzle		■	■	■
Switchable triple nozzle		-	-	-
Optional cage frame*		-	-	-
Optional hose reel*		-	-	-
Servo Control		■	■	-
Order No.		1.187-907.0	1.187-906.0	1.187-905.0
Price				

■ Included in delivery. * Compatible accessories.

		HD 8/20 G	HD 7/15 G	HD 728 B Cage
		<ul style="list-style-type: none"> ■ Robust, powder-coated tubular frame ■ Infinitely variable water pressure and water flow regulation on the machine ■ Puncture-proof wheels for maximum mobility 	<ul style="list-style-type: none"> ■ Robust, powder-coated tubular frame ■ Precise cleaning agent dosage ■ Puncture-proof wheels for maximum mobility 	<ul style="list-style-type: none"> ■ Robust, powder-coated tubular frame ■ Portable ■ Stainless steel lance
Technical data				
Engine manufacturer		Honda	Honda	Honda
Motor type		GX 270/petrol	GX 160/petrol	GX 160/petrol
Motor rating	kW / hp	6.6 / 9	4 / 5.5	4 / 5.5
Flow rate	l/h	200-750	650	650
Working pressure	bar / MPa	10-200 / 1-20	150 / 15	150 / 15
Max. inlet temperature	°C	60	60	60
Weight	kg	53	35	28
Dimensions (L × W × H)	mm	800 × 620 × 1105	800 × 620 × 1105	570 × 434 × 430
Equipment				
Spray gun		EASY!Force Advanced	EASY!Force Advanced	EASY!Force Advanced
Pressure hose	m	15	10	10
Spray lance	mm	840	840	600
Power nozzle		■	■	-
Switchable triple nozzle		-	-	Manual
Optional cage frame*		-	-	-
Optional hose reel*		-	-	-
Servo Control		-	-	-
Order No.		1.187-904.0	1.187-903.0	1.187-908.0
Price				

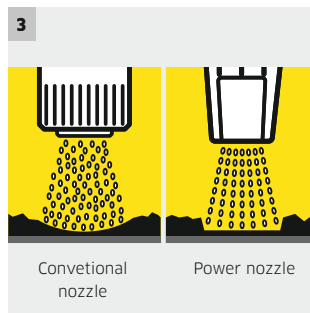
■ Included in delivery. * Compatible accessories.

HD CLASSIC



Powerhouses through and through

Kärcher Classic high-pressure cleaners feature powerful and reliable crankshaft pumps with ceramic pistons. These innovative, high-performance pumps are not only highly efficient, but also impress with excellent reliability and long service intervals thanks to the latest sealing technology.



1 Durable and robust

- Extra-large crankshafts and connecting rods with robust ball bearings.
- Ceramic pistons for reduced wear and tear.
- High-performance sealing packages for longer working times.

2 Especially easy to maintain

- Wide-opening machine cover for easy access to all service and maintenance-relevant components.
- Large water fine filter for optimal protection of the pump.
- Integrated nozzle storage.

3 Improved cleaning performance

- Patented Kärcher power flat jet nozzles: up to 40 percent more impact force than conventional nozzles.
- High area coverage and thorough dirt removal.

4 Excellent mobility

- Large wheels and ergonomic push handle ensure optimal turning manoeuvrability and easy handling.
- The foldable push handle enables space-saving storage.

TECHNICAL DATA AND EQUIPMENT

HD 9/20-4 Classic

HD 7/18-4 Classic

HD 6/15-4 Classic

- Durable crankshaft pump with ceramic-coated pistons
- Large, transparent water filter
- Infinitely variable pressure regulation
- Durable crankshaft pump with ceramic-coated pistons
- Large, transparent water filter
- Infinitely variable pressure regulation
- Durable crankshaft pump with ceramic-coated pistons
- Large, transparent water filter
- Infinitely variable pressure regulation

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	1 / 220-240 / 50
Connection load	kW	6.9	4.9	3.4
Flow rate	l/h	520-900	520-700	450-600
Working pressure	bar / MPa	70-200 / 7-20	70-180 / 7-18	70-150 / 7-15
Max. pressure	bar	240	220	190
Max. inlet temperature	°C	60	60	60
Weight	kg	56	56	52
Dimensions (L × W × H)	mm	700 × 455 × 1010	700 × 455 × 1010	700 × 455 × 1010

Equipment

Spray gun		Standard	Standard	Standard
Pressure hose	m	10	10	10
Spray lance	mm	600	850	850
Switchable triple nozzle		-	-	-
Power nozzle	■	■	■	■
Dirt blaster		-	-	-
Pressure hose reel		-	-	-
Servo Control		-	-	-
Order No.		1.367-308.0	1.367-307.0	1.367-306.0
Price				

■ Included in delivery.

HD 7/11-4 Classic

- Durable crankshaft pump with ceramic-coated pistons
- Large, transparent water filter
- Infinitely variable pressure regulation

Technical data

Supply voltage	Ph / V / Hz	1 / 220-240 / 50
Connection load	kW	2.9
Flow rate	l/h	520-700
Working pressure	bar / MPa	70-110 / 7-11
Max. pressure	bar	150
Max. inlet temperature	°C	60
Weight	kg	52
Dimensions (L × W × H)	mm	700 × 455 × 1010

Equipment

Spray gun		Standard
Pressure hose	m	10
Spray lance	mm	850
Switchable triple nozzle		-
Power nozzle	■	■
Dirt blaster		-
Pressure hose reel		-
Servo Control		-
Order No.		1.367-305.0
Price		

■ Included in delivery.

HD CAGE CLASSIC

Small, light, robust and affordable



Not only does the HD 5/11 Cage Classic offer high performance for little money, but because of its light weight and the ergonomic handle, it is extremely easy to carry and very robust.



1 Durable and robust

- With its brass cylinder heads, the 3-piston axial-piston motor unit ensures an exceptionally long service life.
- The sturdy tubular frame provides protection in continuous heavy-duty use.

2 Versatile

- The machine can be attached to the floor or the wall.
- Very compact construction style and minimal weight.

HD 5/11 Cage Classic

- Continuous use possible thanks to durable axial pump
- Robust frame protects even in the toughest working conditions
- Ergonomically designed handle

Technical data

Supply voltage	Ph / V / Hz	1 / 230 / 50
Connection load	kW	2.2
Flow rate	l/h	500
Working pressure	bar / MPa	110 / 11
Max. pressure	bar	160
Max. inlet temperature	°C	60
Weight	kg	22
Dimensions (L × W × H)	mm	475 × 330 × 332

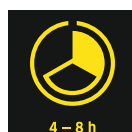
Equipment

Spray gun		Standard
Pressure hose	m	10
Spray lance	mm	600
Switchable triple nozzle		-
Power nozzle	■	
Dirt blaster		-
Pressure hose reel		-
Servo Control		-
Order No.		1.520-204.0
Price		

■ Included in delivery.

HD CAGE CLASSIC

Robust. Flexible. Reliable



The Cage Classic range is sure to impress with its powerful crankshaft pumps and ceramic pistons. A water filter protects the pump. Mounting to a wall is possible thanks to a robust tubular frame construction. Now available: HD 7/11-4 Cage Classic with single-phase motor.



1 Long-lasting and reliable

- four-pole electric motor.
- Brass cylinder head and ceramic piston.

2 Robust and secure

- Robust tubular frame construction guarantees optimum protection of the machine.
- Built-in handles for transport.

		HD 9/18-4 Cage Classic	HD 7/16-4 Cage Classic	HD 7/11-4 Cage Classic
		<ul style="list-style-type: none"> ■ Durable crankshaft pump with ceramic-coated pistons ■ Robust tubular frame construction for maximum protection ■ Wall mounting possible 	<ul style="list-style-type: none"> ■ Durable crankshaft pump with ceramic-coated pistons ■ Trigger gun storage with automatic machine switch-off ■ Wall mounting possible 	<ul style="list-style-type: none"> ■ Durable crankshaft pump with ceramic-coated pistons ■ Robust tubular frame construction for maximum protection ■ Wall mounting possible
Technical data				
Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	1 / 230 / 50
Connection load	kW	5.9	4.3	2.9
Flow rate	l/h	450-900	400-700	520-700
Working pressure	bar / MPa	70-180 / 7-18	70-160 / 7-16	70-110 / 7-11
Max. pressure	bar	240	220	150
Max. inlet temperature	°C	60	60	60
Weight	kg	55	55	50.5
Dimensions (L × W × H)	mm	640 × 360 × 500	780 × 360 × 500	640 × 360 × 500
Equipment				
Spray gun		Standard	Standard	Standard
Pressure hose	m	10	10	10
Spray lance	mm	600	100	600
Switchable triple nozzle		-	-	-
Power nozzle	■	■	■	■
Dirt blaster		-	-	-
Pressure hose reel		-	-	-
Servo Control		-	-	-
Order No.		1.367-315.0	1.367-314.0	1.367-318.0
Price				

■ Included in delivery.

HD CLASSIC WITH COMBUSTION ENGINE



Mobile, independent and service-friendly

The Classic range with combustion engine can be used anywhere that there is no access to a power supply. This makes it the ideal solution for construction, industry and agriculture.



1 High level of autonomy

- Can be used independently of a power supply thanks to powerful petrol engines.
- Using optional accessories, the machines can draw in water, for example from ponds and lakes.

2 Accessories concept

- Practical intake for hose and high-pressure lance directly on the machine.
- Storage compartment for nozzles, tools and other small parts.

3 Outstanding mobility

- Ergonomic push handle for easier transport.
- Large wheels with pneumatic tyres for uneven surfaces.
- The layout of the wheels makes it possible to transport the machine on steps.

4 Easy to service and durable

- Robust crankshaft pump with proven Kärcher quality.
- Large water filter protects pump against damage.
- Thermostat valve to protect the pump from overheating in recirculation mode.

TECHNICAL DATA AND EQUIPMENT

		HD 8/23 G Classic	HD 7/20 G Classic	HD 6/15 G Classic
		■ Tubular steel frame ■ Robust crankshaft pump	■ Tubular steel frame ■ Robust crankshaft pump	■ Tubular steel frame ■ Robust crankshaft pump
Technical data				
Motor type		G300FA / petrol	G250FA / petrol	G200FA / petrol
Motor rating	kW / hp	6.8 / 9.25	5.2 / 7.1	4.1 / 5.6
Flow rate	l/h	800	700	600
Working pressure	bar / MPa	230 / 23	200 / 20	150 / 15
Max. pressure	bar	280	250	200
Max. inlet temperature	°C	60	60	60
Weight	kg	54	45	44.7
Dimensions (L × W × H)	mm	799 × 637 × 1097	799 × 637 × 1097	799 × 637 × 1097
Equipment				
Spray gun		EASY!Force	EASY!Force	EASY!Force
Pressure hose	m	10	10	10
Spray lance	mm	840	840	840
Power nozzle		■	■	■
Order No.		1.187-902.0	1.187-901.0	1.187-900.0
Price				

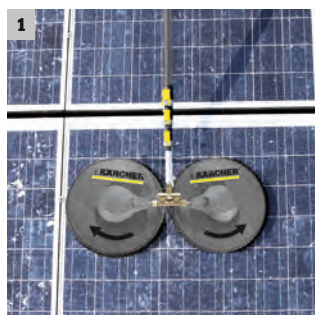
■ Included in delivery.

SOLAR PANEL CLEANER iSolar



Clean modules – secure yields

The first DLG-tested cleaning system for photovoltaic systems. Refined Kärcher cleaning solutions ensure uncompromisingly clean solar modules – and up to 20% higher yields than with heavily soiled modules.



1 Contra-rotating disc brushes

- Very high cleaning and area performance.
- Optimal handling through lateral force compensation.
- Pre-rinsing of adjacent modules.



2 Carbon/hybrid telescopic lances

- Very large working range and maximum rigidity with low weight.
- Brush operation and speed regulation via integrated ball tap.
- Quick and convenient extension thanks to quick-release couplings.



3 Articulated joint

- Convenient working in different positions.
- Limit stop protects the modules from damage.
- Excellent manoeuvrability due to flexible articulated joint.



4 Modular construction

- Need-based combination of individual components.
- Suitable for standard M 18 or M 22 interfaces.
- Compatible with numerous HD/HDS machines.

TECHNICAL DATA AND EQUIPMENT

		iSolar 400	iSolar 800	Fall protection
		<ul style="list-style-type: none"> Water-powered disc brush with ball bearing Compact entry-level model for smaller surfaces Connection M 18 × 1.5; compatible with standard HD/HDS machines 	<ul style="list-style-type: none"> Contra-rotating disc brushes with ball bearing Robust brass articulated joint for flexible working angle Excellent manoeuvrability 	<ul style="list-style-type: none"> Certified, standard-compliant safety system Travelling fall arrestor with shock absorber Robust metal box for storage and transport
Technical data				
Weight	kg	2.8	7	-
Working width	mm	400	800	-
Machine flow rate with HD / HDS	l/h	700-1000 / 1100-1300	700-1000 / 1100-1300	-
Length	m	-	-	-
Adaptor		M 18 × 1.5 IG	M 18 × 1.5 IG	-
Material		-	-	-
Equipment				
Required accessories, internal high-pressure hose		-	-	-
Articulated joint		<input type="checkbox"/> (6.399-735.0)	<input checked="" type="checkbox"/>	-
Storage box		-	-	<input checked="" type="checkbox"/>
Order No.		6.368-456.0 / 6.368-457.0	6.368-454.0 / 6.368-455.0	6.988-152.0
Price				

■ Included in delivery. □ Compatible accessories.

		iSolar TL 7 H	iSolar TL 10 H TL 10 C	iSolar TL 14 C
		<ul style="list-style-type: none"> Glass/carbon-fibre composite for high rigidity and high strength with low weight Ergonomic handle with ball tap for greater ease of use Easy deployment thanks to quick-release couplings and internal high-pressure hose 	<ul style="list-style-type: none"> High-quality hybrid or full carbon telescopic lance Ergonomic handle with ball tap for greater ease of use Easy deployment thanks to quick-release couplings and internal high-pressure hose 	<ul style="list-style-type: none"> Full carbon material for maximum rigidity, strength and working range Ergonomic handle with ball tap for greater ease of use Easy deployment thanks to quick-release couplings and internal high-pressure hose
Technical data				
Weight	kg	3.5	4 3.7	5
Working width	mm	-	-	-
Machine flow rate	l/h	-	-	-
Length	m	1.8-7.2	2.4-10.2	2.4-14
Adaptor		M 18 × 1.5 AG / M 22 × 1.5 AG	M 18 × 1.5 AG / M 22 × 1.5 AG	M 18 × 1.5 AG / M 22 × 1.5 AG
Material		Hybrid	Hybrid Carbon	Carbon
Equipment				
Required accessories, internal high-pressure hose		6.392-978.0	6.392-977.0	6.392-976.0
Pole sections		5	5	7
Storage box		-	-	-
Order No.		4.107-054.0	4.107-053.0 4.107-055.0	4.107-052.0
Order no. with EASY!Lock		4.110-004.0	4.110-003.0 4.110-007.0	4.110-002.0
Price				

WATER SOFTENING

For a perfect shine



The Kärcher water softening system with resin filter produces water which dries out without leaving residue or lime stains. Optionally with semi-automatic regeneration station for multiple filter use.



1 Resin filter

- Efficient solution for water softening.
- Drying without lime residue.
- Repeated use thanks to simple regeneration.

2 Softening vehicle

- Mobile, easily transportable complete system with pneumatic wheels.
- Sophisticated tubular frame construction (e.g. for emptying frost protection).
- Large water fine filter for protecting against coarse dirt particles.

WS 50

WS 100

WS Regenerator

- | | | |
|---|---|---|
| ■ Residue-free drying after cleaning | ■ Residue-free drying after cleaning | ■ Semi-automatic regeneration of the resin filter |
| ■ Excellent mobility and easy transport | ■ Excellent mobility and easy transport | ■ Easy handling (Plug 'n' Play) |
| ■ Powder-coated tubular steel frame with large pneumatic-tyred wheels | ■ Powder-coated tubular steel frame with large pneumatic-tyred wheels | ■ Efficient solution for intensive use |

Technical data

		WS 50	WS 100	WS Regenerator
Weight	kg	35	40	5.8
Dimensions (L × W × H)	mm	550 × 550 × 1030	550 × 550 × 1030	250 × 300 × 460
Inlet pressure	bar	0-10	0-10	-
Work temperature	°C	1-50	1-50	-
Capacity (at 10°dH)	l	5000	10000	-
Regeneration period	h	-	-	2

Equipment

Water fine filter	■	■	-
Emptying of frost protection	■	■	-
Pneumatic-tyred wheels	■	■	-
Water meter	■	■	-
Backflow preventer	□	□	-
Order No.	6.368-463.0	6.368-464.0	6.368-465.0
Price			

■ Included in delivery. □ Compatible accessories.

BARREL CLEANER

Barrel cleaning – incredibly convenient



With the BC 14/12 barrel cleaner, Kärcher precisely meets the specific requirements of beverage producers and winemakers. Oak barrels in particular can now be cleaned effortlessly.



1 Ease of use

- Easy switching from cleaning to suction in just one action.
- All equipment included in delivery.
- Can be used worldwide (115–240 V/50 and 60 Hz).

2 Cleaning performance

- Every point in the barrel is reached within 36 seconds; The barrel is clean after about 5 minutes.
- Permanent suction during cleaning clears the way for the high-pressure jet.
- Cleaning with up to 120 bar in cold or hot water operation.

Barrel cleaner BC 14/12

- Integrated suction function
- Cleaning without moving the barrel
- Water-carrying stainless steel components

Technical data

Working pressure	bar/MPa	max. 120 / 12
Flow rate	l/h	600–1400
Power consumption	Ph/V/Hz	1 / 115–240 / 50/60
Max. water inlet temperature	°C	80
Connection load	W	40
Revolutions	1/min	62
Cleaning cycle	s	36
Min. tank opening	mm	40
Weight	kg	4.8
Max. immersion depth	mm	900

Equipment

Mains adaptor	■
Nozzle kits	■
Flexible suction pipe	350 mm
Suction pipe	300 mm
Suction pipe	350 mm
Suction pipe	550 mm
Extension cable	10 m
Order No.	2.112-020.0
Price	

■ Included in delivery.

WEED REMOVAL WITH HOT WATER



The system solution from Kärcher – chemical-free, environmentally friendly and economical

With the Kärcher weed lances WR 20 or WR 50 and a hot water high-pressure cleaner, you can remove unwanted growth completely without herbicides. Just hot water. And therefore without harming the environment, surfaces or your wallet. The hot water destroys the weeds by quickly penetrating down to the roots, killing the plant proteins, causing lasting damage and wiping out the weeds.



1 Included adaptive wheel attachment kit

- Comfortable, effortless working for longer applications.
- An optimal working clearance to the ground is guaranteed at all times.

2 Optimised combination of high-pressure cleaner and weed lance for effective weed removal

- The integrated nozzle adapter guarantees constant water flow over the entire nozzle bar.
- The latest Kärcher burner technology ensures the optimal water temperature for weed removal (up to 98°C).

3 Compact design of the weed lance

- The compact shape allows operation even in confined spaces.
- The low weight improves working convenience.

4 No danger, no damage

- In contrast to mechanical methods, with hot water there is no risk of damaging or destroying surfaces.
- No risk of fire, in contrast to direct flaming.

TECHNICAL DATA AND EQUIPMENT



WR 50



WR 20

- Removable and height-adjustable chassis
- Optimised water flow

- Optimised water flow
- Light and compact

Technical data

Working width	mm	500	200
Area performance	m ² /h	150-350	80-125
Temperature	°C	max. 100	max. 100
Weight	kg	2.1	0.3
Inflow rate	l/min	5.8-8.3	8.3-16.7

Equipment

Removable chassis	■	-
Order No.	2.114-013.0	2.114-014.0
Price		

■ Included in delivery.

Depending on the machine version, different nozzle inserts are required in order to guarantee optimal water flow and therefore consistently high temperatures:

HDS	Nozzle insert with order no.
HDS 6/14(-4) C	2.113-070.0
HDS 7/16 C	2.113-041.0
HDS 8/17 C	2.113-071.0
HDS 8/18-4 C	2.113-071.0
HDS 7/12-4 M	2.113-006.0
HDS 8/18-4 M	2.113-071.0
HDS 9/18-4 M	2.113-005.0
HDS 10/20-4 M	2.113-021.0
HDS 12/18-4 S	2.113-010.0
HDS 13/20-4 S	2.113-025.0
HDS 1000 De/Be	2.113-071.0
HDS 13/20 De Tr1	2.113-071.0

GS JET GUN

Jets for small to medium-sized surfaces



Short set-up time, easy transport, instant switch off – the GS jet gun is the affordable cleaning method for small to medium-sized surfaces of all kinds. Pressure/water volume adjustable.



1 Ease of use

- The short set-up times and easy transport make the GS jet gun a real “one-man system”.

2 Versatility

- With direct adjustment of air pressure, water and spray agent volumes on the trigger gun, the GS jet gun is suitable for use on all surfaces.

GS jet gun

- Jet gun with air nozzle
- Controller directly on the trigger gun
- Safety switch-off

Technical data

Air pressure	bar/MPa	3-12 / 0.3-1.2
Air consumption	m³/min	3-8
Flow rate	l/h	0-120
Spray agent volume	kg/h	max. 200
Weight	kg	3.4
Dimensions (L x W x H)	mm	480 x 80 x 280
Order No.		2.869-067.0
Price		

Special accessories

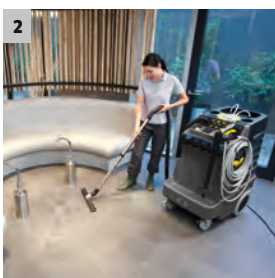
Special accessories	Order No.
Air hose (10 m) with connectors	6.390-284.0
Air hose (20 m) with connectors	6.390-285.0
Special air nozzle, designed for high power	5.130-249.0

MULTI-PURPOSE CLEANING MACHINE



The multi-talented cleaner for mobile use

An on-board water tank makes the AP 100/50 M independent of the local water supply, and that is only one of its many talents, because it also has a 10-metre-long suction hose, a cleaning agent dosing unit for two different cleaning agents and a high-pressure gun with a 0.5-metre-long spray lance.



1 Cleaning with high pressure

- Cleaning solution applied via high-pressure pump.
- 15 m high-pressure hose for large operating radius.
- Spray lance with high-pressure nozzle as standard equipment. Upgradeable with a wide range of accessories, such as a foam lance.

2 Suction included

- Washing water can be vacuumed easily with a wet and dry vacuum cleaner, for example if no drain is available.
- Machine can be used by two people simultaneously.
- Very flexible hose, perfectly adapted to machine and application.

AP 100/50 M

- High-pressure cleaning and vacuuming in one machine
- On-board fresh water tank
- Includes cleaning agent dosing unit

Technical data

Fresh/dirty water tank volume	l	100 / 70
Working pressure	bar	Two-stage adjustment
Low pressure	bar	6
High pressure	bar	19 / 50 max.
Flow rate	l/min	5
Suction motor / pump rating	W	1800 / 370
Cord length	m	15
Weight	kg	100
Order No.		1.007-058.0
Price		

Accessory selection	Order No.	Description
Cup foam lance	6.394-668.0	Short, handy foam lance with 1-litre cleaning agent container directly on the lance. Due to its compact construction style, it is excellent for cleaning fittings and walls with foam. Swivelling connection M 22 x 1.5, variable cleaning agent dosage via control on lance, adjustable spray angle.
Connection piece	4.402-022.0	For attaching high-pressure nozzles and accessory parts to HD trigger gun (with nozzle screws) - 1 x M 22 x 1.5, 1 x M 18 x 1.5.
Hard surface and carpet nozzle	2.642-552.0	Floor nozzle for hard surfaces and spray extraction cleaning of textile coverings.

EXTRA CLEANLINESS: KÄRCHER ORIGINAL ACCESSORIES

Kärcher original accessories extend the range of applications of the high-pressure cleaner – from cleaning and care of construction machines to work preparation and repair of facades and floors. We continuously develop our accessories in order to ensure that we can meet your requirements. This results in innovative products designed to facilitate your daily cleaning tasks.



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1 EASY!Force high-pressure gun

Effortless operation: our new EASY!Force HD trigger gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero. With the Advanced version, a full ceramic valve is also used, which enables a lifetime up to five times longer compared with other high-pressure guns.

2 Servo Control

Thanks to Servo Control, water volume and working pressure can be infinitely and conveniently adjusted directly on the spray gun, without interrupting work.

3 EASY!Lock quick-release couplings

The patented EASY!Lock quick-release couplings enable attachment, removal and accessory replacement that is five times faster than with conventional screw connections. At the same time, the robustness and longevity of tried-and-tested screw connections are maintained.

4 Ergonomic spray lance handle

Provides unimagined operating comfort and enables additional grip possibilities for comfortable and varying working postures: the ergonomic spray lance handle as a special accessory for our high-pressure lances in the EASY!Lock range. Particularly suitable for washing vehicles, cleaning floors and surfaces or for facade cleaning with long lances.

5 PowerControl spray lance

For infinite, interruption-free pressure regulation directly on the spray lance, without reducing the water volume. In low pressure operation, it is also possible to admix cleaning agents. The perfect addition to machines without Servo Control.

6 FRV Surface Cleaner

For splash-free surface cleaning and water vacuuming in one procedure, with no need for rinsing. For very high area performances, now also available with a working width of 500 mm and in a hot water-resistant stainless steel version (FRV 50 Me).

7 New cup foam lance

For innovative foam cleaning: the redevelopment of the popular cup foam lance impresses with an additional spray level setting, precise cleaning agent dosing unit and more resistant base body made from nickel-plated brass. Available in two versions, for machines with or without Servo Control.

EASY!LOCK QUICK-RELEASE COUPLINGS



Durable and robust. And 5 times faster than screw connections

Tedious attachment and removal and time-consuming accessory replacement are now things of the past. With our new, patented EASY!Lock quick-release couplings, you save valuable work time compared with to conventional screw connections, without compromising on the quality, robustness and of the connections.

NEW



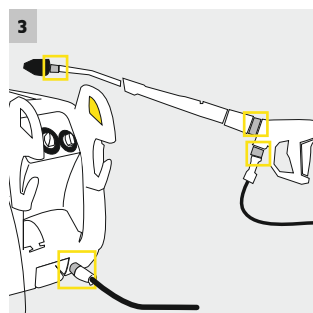
1 Quick convenience

Connection – in the truest sense of the word – at the flick of a wrist (360°) and with all interfaces. From set-up times to the time it takes to change special accessories, such as surface cleaners or wash brushes: up to five times faster and more convenient.



2 Robust reliability

A specially developed cone ensures that the thread is self-locking. Tried-and-tested threaded screw connection without wear parts, resistant to dirt and highly reliable.



3 Intuitive operation

The connection principle is intuitive and easy to understand; it works identically on all four connection points. In contrast to conventional quick couplings, the EASY!Lock system requires no additional weight.



4 Uncompromising quality

Instead of an axial O-ring sealing on the spray lance, the EASY!Lock system uses radial sealing. This increases the stability of the O-rings and effectively prevents their potential loss.

Embossed number

Each adapter has its own number.
Clear and unique

EASY!Lock connection

4-way trapezoidal thread
with cone safeguard

Anthracite = EASY!Lock

Colour coding for the
EASY!Lock connection



Threaded end M 22 × 1.5

Metric thread for accessories
without EASY!Lock

Black = threaded end M 22 × 1.5

Colour coding for conventional
threaded connection

1



EASY!Lock - M 22 × 1.5 Order no. 4.111-029.0 Adapter for connecting high-pressure hoses with EASY!Lock and high-pressure hoses with M 22 × 1.5 connection.

2



EASY!Lock - M 22 × 1.5 Order no. 4.111-030.0 Adapter for connecting high-pressure cleaners / HD trigger guns with M 22 × 1.5 connection and high-pressure hoses with EASY!Lock.

3



EASY!Lock - M 22 × 1.5 Order no. 4.111-031.0 Adapter for connecting HD trigger guns with M 22 × 1.5 and spray lances or Servo Control controllers with EASY!Lock.

4



EASY!Lock - AVS Order no. 4.111-032.0 Adapter for connecting high-pressure hoses with AVS swivel connection and EASY!Force high-pressure gun.

5



EASY!Lock - M 22 × 1.5 Order no. 4.111-033.0 Adapter for connecting EASY!Force trigger gun and spray lances with M 22 × 1.5 connection.

6



EASY!Lock - M 22 × 1.5 Order no. 4.111-034.0 Adapter for connecting high-pressure hoses with M 22 × 1.5 connection and EASY!Force high-pressure gun.

7



EASY!Lock - M 18 × 1.5 Order no. 4.111-035.0 Adapter for connecting spray lances with M 18 × 1.5 connection and nozzles with EASY!Lock.

8



EASY!Lock - M 18 × 1.5 Order no. 4.111-036.0 Adapter for connecting spray lances with EASY!Lock and nozzles with M 18 × 1.5 connection.

You can also find the right adapters for your machines and accessories using our digital adapter finder:
www.kaercher.com/adaptfinder-easylock

SOLAR PANEL CLEANING



Contamination resulting from dust, rust and pollen reduces the performance of photovoltaic systems and solar thermal modules by up to 20%. The natural effects of rain, condensation and wind are not sufficient to effectively clean the modules. For a consistently high energy yield, it is essential to carry out a professional system clean at regular intervals. iSolar has a modular construction and enables the safe and efficient cleaning of photovoltaic systems of any size. Rotating disc brushes on telescopic lances of various lengths are driven by the water from the high-pressure cleaner.

		Order No. EASY!Lock	Order No. until 2015	Inlet temperature	Length	Price	Description
Solar cleaning – telescopic lances							
iSolar TL 14 C (without hose)	1	4.110-002.0	4.107-052.0	60°C	2.6–14 m		The full carbon telescopic lance offers maximum rigidity with minimal weight. It has a reach of up to 14 m and is fitted with practical quick-release couplings – for convenient extension and retraction. The speed is regulated via ball tap, guaranteeing easy handling. For work safety reasons, the lowest lance element is made from a carbon-fibreglass mixture for electrical insulation.
iSolar TL 10 C (without hose)	2	4.110-007.0	4.107-055.0	60°C	2.6–10 m		The full carbon telescopic lance offers maximum rigidity with minimal weight. It has a reach of up to 10 m and is fitted with practical quick-release couplings – for convenient extension and retraction. The speed is regulated via ball tap, guaranteeing easy handling. For work safety reasons, the lowest lance element is made from a carbon-fibreglass mixture for electrical insulation.
iSolar TL 10 H (without hose)	3	4.110-003.0	4.107-053.0	60°C	2.6–10 m		The telescopic lance is made from a carbon-fibreglass mixture (hybrid) and offers maximum rigidity with minimum weight. It has a reach of up to 10 m and is fitted with practical quick-release couplings – for convenient extension and retraction. The speed is regulated via ball tap, guaranteeing easy handling. The carbon-fibreglass mixture is also on the lowest rod element and ensures electrical insulation and thus work safety.
iSolar TL 7 H (without hose)	4	4.110-004.0	4.107-054.0	60°C	2–7 m		The telescopic lance is made from a carbon-fibreglass mixture (hybrid) and offers maximum rigidity with minimum weight. It has a reach of up to 7.2 m and is fitted with practical quick-release couplings – for convenient extension and retraction. The speed is regulated via ball tap, guaranteeing easy handling. The carbon-fibreglass mixture is also on the lowest rod element and ensures electrical insulation and thus work safety.
iSolar HP hose 7	5	6.392-978.0	6.392-978.0	155°C	8.5 m		The high-quality and flexible high-pressure hose with rubber outer covering is suitable for use in combination with the iSolar TL 7. The outer skin of the hose features especially good sliding properties – ideal for extending and retracting the telescopic lance.
iSolar HP hose 10	6	6.392-977.0	6.392-977.0	155°C	11.5 m		The high-quality and flexible high-pressure hose with rubber outer covering is suitable for use in combination with the iSolar TL 10. The outer skin of the hose features especially good sliding properties – ideal for extending and retracting the telescopic lance.
iSolar HP hose 14	7	6.392-976.0	6.392-976.0	155°C	15 m		The high-quality and flexible high-pressure hose with rubber outer covering is suitable for use in combination with the iSolar TL 14. The outer skin of the hose features especially good sliding properties – ideal for extending and retracting the telescopic lance.

□ Available accessories. More Kärcher original accessories can be found on the following pages.

[illegible]

SOLAR PANEL CLEANING



Hard water can lead to lime residue which can result in a dramatic reduction in the module's performance. Mobile Kärcher water softeners and the Solar Cleaner RM 99 offer reliable protection against lime stains. In the water softener, an ion-exchange resin removes the dissolved limescale from the water and reduces the hardness degree to 0-1 °dH.

		Order No. EASY!Lock	Order No. until 2015	Flow rate	Inlet temperature	Price	Description
iSolar brushes and water softening							
iSolar 400	1	6.368-456.0	6.368-456.0	700-1000 l/h	40°C		The water-driven iSolar 400 disc brush features a working width of 400 mm and is especially suitable for cleaning small to medium-sized photovoltaic systems. Thanks to the low weight and easy handling, even elevated systems can be conveniently cleaned.
	2	6.368-457.0	6.368-457.0	1100-1300 l/h	40°C		
iSolar 800	3	6.368-454.0	6.368-454.0	700-1000 l/h	40°C		The water-driven iSolar 800 brush head with 800 mm working width works with two contra-rotating disc brushes and is used for cleaning photovoltaic systems. The contra-rotating brushes balance out all transversal forces, guaranteeing optimal handling. The flexible angle joint on the brush head's connector also makes cleaning easier. It ensures that the bristles always lie flat, allowing uniform cleaning results. The brush head has an impressively high area performance - ideal for cleaning large systems, for example on barn roofs.
	4	6.368-455.0	6.368-455.0	1100-1300 l/h	40°C		
iSolar fall protection	5	6.988-152.0	6.988-152.0				Certified, standard-compliant safety system for safe working on roofs. The fall protection includes a travelling fall arrestor with shock absorber and 15 m kernmantle rope, safety harness, an anchoring loop for fixing the safety machine, as well as a practical metal box for storage and transport.
WS 50	6	6.368-463.0	6.368-463.0		30°C		The mobile WS 50/WS 100 water softening unit prevents lime residue on cleaned surfaces. An ion-exchange resin removes the dissolved limescale from the water.
WS 100	7	6.368-464.0	6.368-464.0		30°C		
WS Regenerator	8	6.368-465.0	6.368-465.0				With the WS Regenerator regeneration system, the softening cartridges of the water softening units WS 50 and WS 100 can be backflushed and regenerated at the push of a button.

□ Available accessories. More Kärcher original accessories can be found on the following pages.

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HIGH-PRESSURE HOSES



Our unique EASY!Lock system is designed for fast and reliable connection and disconnection of machine and hose. The rotary coupling integrated into our high-pressure hoses with yellow hand screw connection also prevents the hose from twisting. Numerous extension hose versions are available for a wider operating radius.

		Order No. EASY!Lock	Order No. until 2015	ID	Max. working pressure	Length	Price	Description
Standard								
High-pressure hose AVS hose reel connection, ID 6, 250 bar, 15 m, ANTI!Twist	1	6.110-037.0	6.391-417.0	DN 6	250 bar	15 m		High-pressure hose with AVS hose reel connection and EASY!Lock hand screw connection.
High-pressure hose AVS hose reel connection, ID 6, 250 bar, 15 m	2	6.110-036.0	6.391-417.0	DN 6	250 bar	15 m		
High-pressure hose AVS hose reel connection, ID 6, 300 bar, 15 m	3	6.110-026.0	6.392-277.0	DN 6	300 bar	15 m		
High-pressure hose AVS hose reel connection, ID 8, 315 bar, 15 m, ANTI!Twist	4	6.110-033.0	6.390-185.0	DN 8	315 bar	15 m		
Standard with unions on both sides								
High-pressure hose, 2 × EASY!Lock, ID 6, 250 bar, 10 m, ANTI!Twist	5	6.110-035.0	6.391-238.0	DN 6	250 bar	10 m		High-pressure hose with EASY!Lock hand screw connection at both ends.
High-pressure hose, 2 × EASY!Lock, ID 6, 250 bar, 10 m	6	6.110-034.0	6.391-238.0	DN 6	250 bar	10 m		
High-pressure hose, 2 × EASY!Lock, ID 6, 300 bar, 10 m, ANTI!Twist	7	6.110-056.0	6.391-875.0	DN 6	300 bar	10 m		
High-pressure hose, 2 × EASY!Lock, ID 8, 315 bar, 10 m, ANTI!Twist	8	6.110-031.0	6.390-025.0	DN 8	315 bar	10 m		
High-pressure hose, 2 × EASY!Lock, ID 8, 315 bar, 15 m, ANTI!Twist	9	6.110-030.0	6.390-010.0	DN 8	315 bar	15 m		
High-pressure hose, 2 × EASY!Lock, ID 8, 315 bar, 20 m, ANTI!Twist	10	6.110-032.0	6.390-171.0	DN 8	315 bar	20 m		
High-pressure hose, 2 × EASY!Lock, ID 8, 315 bar, 30 m, ANTI!Twist	11	6.110-014.0	6.390-293.0	DN 8	315 bar	30 m		
High-pressure hose, 2 × EASY!Lock, ID 10, 220 bar, 15 m	12	6.110-042.0	6.390-023.0	DN 10	220 bar	15 m		
High-pressure hose, 2 × EASY!Lock, ID 10, 220 bar, 20 m	13	6.110-043.0	6.390-726.0	DN 10	220 bar	20 m		
High-pressure hose, 2 × EASY!Lock, ID 10, 220 bar, 25 m	14	6.110-044.0	6.391-513.0	DN 10	220 bar	25 m		
High-pressure hose, 2 × EASY!Lock, ID 10, 220 bar, 40 m	15	6.110-045.0	6.391-510.0	DN 10	220 bar	40 m		
High-pressure hose, 2 × EASY!Lock, ID 12, 250 bar, 15 m	16	6.110-059.0	6.391-849.0	DN 12	250 bar	15 m		
High-pressure hose, 2 × EASY!Lock, 2 × EASY!Lock ID 12, 250 bar, 40 m	17	6.110-060.0	6.391-865.0	DN 12	250 bar	40 m		

■ Included in delivery. □ Available accessories. ▲ Extension hose. More Kärcher original accessories can be found on the following pages.

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LONGLIFE HIGH-PRESSURE HOSES



Kärcher Longlife 400 hoses meet the highest demands and are guaranteed to have optimal working times. These hoses are dual steel wire reinforced with a robust rubber outer covering. Kärcher Longlife hoses are also pressure-resistant up to 400 bar.

		Order No. EASY!Lock	Order No. until 2015	ID	Max. working pressure	Length	Price	Description
Longlife 400								
High-pressure hose Longlife 400, AVS hose reel connection, ID 8, 400 bar, 20 m, ANTI!Twist	1	6.110-028.0	6.390-208.0	DN 8	400 bar	20 m		High-pressure hose with double steel reinforcement, AVS hose reel connection and EASY!Lock hand screw connection.
Longlife 400 with unions on both sides								
High-pressure hose Longlife 400, 2 × EASY!Lock, ID 8, 400 bar, 1.5 m	2	6.110-024.0	6.390-178.0	DN 8	400 bar	1.5 m		High-pressure hose with EASY!Lock hand screw connection at both ends.
High-pressure hose Longlife 400, 1 × EASY!Lock 1 × M22 × 1.5, ID 8, 400 bar, 1.5 m	3	6.110-069.0	6.392-282.0	DN 8	400 bar	1.5 m		High-pressure hose with double steel reinforcement 1 × M 22 × 1.5 as well as EASY!Lock connection.
High-pressure hose Longlife 400, 2 × EASY!Lock, ID 8, 400 bar, 10 m, ANTI!Twist	4	6.110-038.0	6.388-083.0	DN 8	400 bar	10 m		High-pressure hose with double steel reinforcement and EASY!Lock hand screw connection at both ends.
High-pressure hose Longlife 400, 2 × EASY!Lock, ID 8, 400 bar, 30 m, ANTI!Twist	5	6.110-023.0	6.390-294.0	DN 8	400 bar	30 m		
High-pressure hose Longlife 400, 2 × EASY!Lock, ID 8, 400 bar, 20 m, ANTI!Twist	6	6.110-027.0	6.390-027.0	DN 8	400 bar	20 m		
High-pressure hose Longlife 400, 2 × EASY!Lock, ID 8, 400 bar, 15 m, ANTI!Twist	7	6.110-029.0	6.389-709.0	DN 8	400 bar	15 m		

■ Included in delivery. □ Available accessories. ▲ Extension hose. More Kärcher original accessories can be found on the following pages.

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FOOD-GRADE HOSES



Kärcher also provides high-pressure hoses designed for the special requirements of the food industry. Kärcher grey food-grade hoses have a non-marking outer covering. Longlife food-grade hoses with blue outer covering offer a further advantage: they are resistant to animal fat.

		Order No. EASY!Lock	Order No. until 2015	ID	Max. working pressure	Length	Price	Description
Food industry version								
High-pressure hose, food grade, 1 × EASY!Lock, AVS hose reel connection, ID 6, 15 m, ANTI!Twist	1	6.110-074.0	6.391-654.0	DN 6	250 bar	15 m		High-pressure hose with AVS hose reel connection, EASY!Lock hand screw connection as well as grey, non-marking outer covering.
Food industry version with unions on both sides								
High-pressure hose, food grade, 2 × EASY!Lock, ID 8, 10 m, ANTI!Twist	2	6.110-051.0	6.389-479.0	DN 8	250 bar	10 m		High-pressure hose with EASY!Lock hand screw connection at both ends as well as grey, non-marking outer covering.
High-pressure hose, food grade, 2 × EASY!Lock, ID 8, 20 m, ANTI!Twist	3	6.110-052.0	6.389-581.0	DN 8	250 bar	20 m		
Longlife food design with screw connections at both ends								
High-pressure hose, food grade, Longlife 400 2 × EASY!Lock, ID 8, 10 m, ANTI!Twist	4	6.110-053.0	6.391-864.0	DN 8	400 bar	10 m		High-pressure hose with EASY!Lock hand screw connection at both ends as well as blue, non-marking and animal fat-resistant outer covering.
High-pressure hose, food grade, Longlife 400 2 × EASY!Lock, ID 8, 20 m, ANTI!Twist	5	6.110-054.0	6.391-887.0	DN 8	400 bar	20 m		High-pressure hose with double steel reinforcement, EASY!Lock hand screw connection at both ends as well as blue, non-marking and animal fat-resistant outer covering.
Special hoses								
High-pressure hose 1 × EASY!Lock curved 1 × M22 × 1.5, ID 8, 400 bar, 1.5 m	6	6.110-068.0	6.388-886.0	DN 8	400 bar	1.5 m		High-pressure hose with double steel reinforcement, M 22 × 1.5 connection for hose reels as well as EASY!Lock hand screw connection.
High-pressure hose Ex 2 × EASY!Lock, ID 8, 400 bar, 10 m, ANTI!Twist	7	6.110-064.0	6.391-741.0	DN 8	400 bar	10 m		High-pressure hose with double steel reinforcement and EASY!Lock hand screw connection at both ends. Verified electrically conductive.

■ Included in delivery. □ Available accessories. ▲ Extension hose. More Kärcher original accessories can be found on the following pages.

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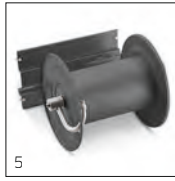
MANUAL HOSE REELS



The hose reel attachment kit can be used to store a high-pressure hose up to 40 m long securely and directly on the machine. For quick and easy hose winding and unwinding. Our automatic hose reels offer greater convenience.

		Order No. EASY!Lock	Order No. until 2015	Length	Price	Description
Manual hose reel attachment kit						
Hose reel attachment kit, plastic, for HDS Compact class	1	2.110-010.0	2.642-756.0	20 m		Hose reel attachment kit for attaching to the machine. For secure and space-saving storage of the high-pressure hose (with a connection hose for the machine HP output). Rotatable under pressure with connection for male coupling.
Hose reel attachment kit for HDS petrol machines	2	2.110-005.0	2.637-733.0	20 m		
Hose reel kit for HD Super class	3	2.110-008.0	2.640-439.0	20 m		
Attachment kit, stainless steel hose reel for HD Cage Super class	4	2.110-001.0	2.440-004.0	40 m		
Hose reel attachment kit, powder-coated, for HD Cage Super class	5	2.110-002.0	2.440-005.0	40 m		
Add-on kit hose reel	6	2.110-004.0	2.637-002.0	40 m		

☐ Available accessories. More Kärcher original accessories can be found on the following pages.

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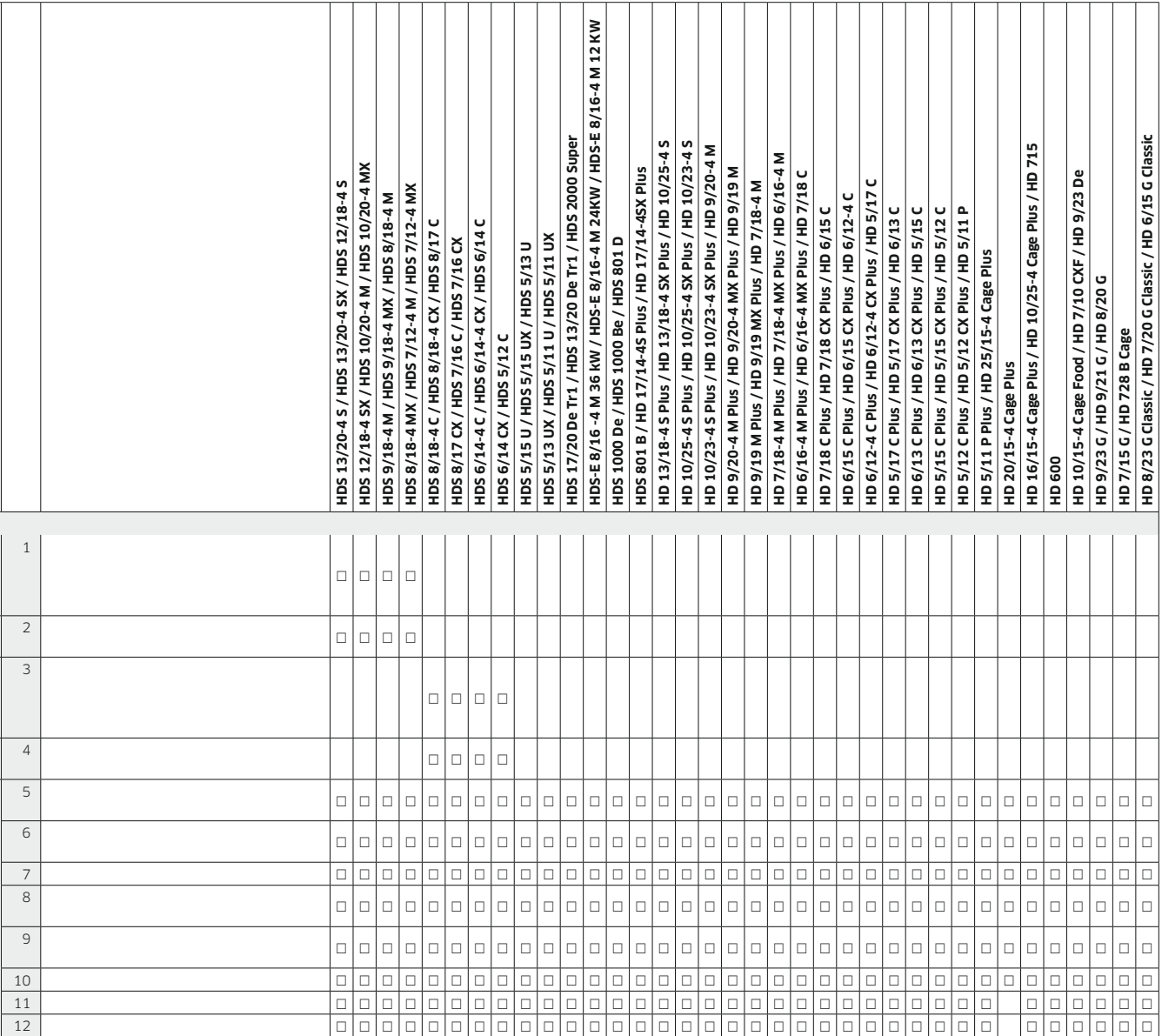
AUTOMATIC HOSE REELS



The automatic hose reels offer maximum convenience when winding and unwinding the high-pressure hose. Thanks to the practical complete attachment kit, they can be very easily installed. Available for mounting to a wall at the point of use or as an attachment kit directly on the machine.

		Order No. EASY!Lock	Order No. until 2015	Length	Price	Description
Automatic, self-winding hose reels						
ABS automatic hose drum HDS M/S	1	2.110-011.0	2.642-957.0	20 m		Complete automatic hose reel attachment kit for HDS Middle and Super class. Simple installation, removable for transport, all unit functions are available. Offers maximum convenience when winding and unwinding the HP hose. Contains: automatic hose reel, HP hose and all connection parts.
ABS holder, automatic hose drum HDS M/S	2	2.643-040.0	2.643-040.0			Holder includes connection material for installing an automatic hose reel to machines in the HDS Middle and Super classes.
ABS automatic hose drum HDS C	3	2.110-012.0	2.643-052.0	20 m		Complete automatic hose reel attachment kit for HDS compact class. Simple installation and all unit functions are available. Offers maximum convenience when winding and unwinding the HP hose. Contains: automatic hose reel, HP hose and all connection parts.
ABS holder, automatic hose drum HDS C	4	2.110-013.0	2.643-181.0			Holder includes connection material for installing an automatic hose reel to machines from the HDS Compact class.
Automatic hose reel, powder-coated steel / plastic	5	6.392-074.0	6.392-975.0	20 m		Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. For use with HP hoses with AVS connection. For example: order no. 6.390-031 (DN 8, 20 m, 315 bar) or order no. 6.390-208 (DN 8, 20 m, 400 bar Longlife).
Automatic stainless steel / synthetic material hose drum	6	6.392-083.0	6.392-965.0	20 m		
Automatic hose reel, coated	7	6.392-106.0	2.639-919.0	20 m		
Hose reel, automatic, basalt grey-coated	8	6.392-105.0	6.393-001.0	20 m		
Automatic hose reel, stainless steel, includes swivel holder	9	6.392-076.0	6.391-421.0	20 m		
ABS automatic stainless steel hose drum	10	6.392-122.0	2.641-866.0	20 m		
Powder-coated swivel holder	11	2.639-931.0	2.639-931.0			
ABS pivoting stainless steel wall bracket	12	2.641-867.0	2.641-867.0			

□ Available accessories. More Kärcher original accessories can be found on the following pages.



CONNECTORS AND ADAPTERS



Extra connectors for nozzle attachment directly on the trigger gun allow space-saving handling. Rotary couplings prevent hose chaos, and connectors serve as hose extensions.

		Order No. EASY!Lock	Order No. until 2015	Price	Description
Rotary coupling					
Rotary coupling	1	4.111-021.0	4.401-091.0		Reliably prevents twisting of HP hoses. Handle protection.
Coupling					
Coupler -2 x M 22 x 1,5	2	4.111-037.0	4.403-002.0		For connecting and extending HP hoses. Brass with rubber protection.
Connector					
Screw socket for Surface Cleaner and Servo Control controller	3	4.111-022.0	4.402-002.0		For attaching high-pressure nozzles and accessory parts to HD trigger gun (with nozzle screws).
Short spray unit	4	4.111-038.0	4.402-002.0		For attaching high-pressure nozzles and accessory parts to HD trigger gun (with nozzle screws).
Coupling parts					
Articulated joint	5	6.987-705.0	6.987-705.0		This articulated joint with continuous angle adjustment (up to an angle of 120°) is recommended for cleaning hard-to-reach areas. It is attached directly to the spray lance. Adapter 8 is required for connection to EASY!Lock spray lances (Order No. 4.111-036.0).
Adapter EASY!Lock					
Adaptor 1 M 22 x 1.5 AG - EASY!Lock 22 AG	6	4.111-029.0 ■			Adapter for connecting high-pressure hoses with EASY!Lock and high-pressure hoses with M 22 x 1.5 connection.
Adaptor 2 M 22 x 1.5 IG - EASY!Lock 22 AG	7	4.111-030.0 ■			Adapter for connecting high-pressure cleaners or high-pressure guns with M 22 x 1.5 connection and high-pressure hoses with EASY!Lock.
Adaptor 3 M 22 x 1.5 IG - EASY!Lock 22 AG	8	4.111-031.0 ■			Adapter for connecting high-pressure guns with M 22 x 1.5 connection and spray lances or Servo Control controllers with EASY!Lock.
Adaptor 4 EASY!Lock 22 IG - AVS	9	4.111-032.0 ■	4.424-004.0		Adapter for connecting high-pressure hoses with AVS swivel connection and EASY!Force high-pressure gun.
Adaptor 5 EASY!Lock 22 IG - M 22 x 1.5 AG	10	4.111-033.0 ■			Adapter for connecting EASY!Force high-pressure gun and spray lances with M 22 x 1.5 connection.
Adaptor 6 EASY!Lock 22 IG - M 22 x 1.5 AG	11	4.111-034.0 ■			Adapter for connecting high-pressure hoses with M 22 x 1.5 connection and EASY!Force high-pressure gun or high-pressure cleaners with EASY!Lock.
Adaptor 7 M 18 x 1.5 IG - EASY!Lock 20 AG	12	4.111-035.0 ■			Adapter for connecting spray lances with M 18 x 1.5 connection and nozzles, surface cleaners or wash brushes with EASY!Lock.
Adaptor 8 EASY!Lock 20 IG - M 18 x 1.5 AG	13	4.111-036.0 ■			Adapter for connecting nozzles, surface cleaners or wash brushes with M 18 x 1.5 connection and spray lances with EASY!Lock.

■ NEW □ Available accessories. More Kärcher original accessories can be found on the following pages.

TRIGGER GUNS



Effortless, not energy-sapping: the EASY!Force HD trigger gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero. Both the ball and the sealing seat of the valve of the EASY!Force high-pressure gun are ceramic, which is far harder than any conceivable foreign particle. The full ceramic valve therefore ensures a lifetime that is 5 times longer than that of other high-pressure guns.

		Order No. EASY!Lock	Order No. until 2015	Flow rate	Price	Description
Trigger guns						
EASY!Force Advanced	1	4.118-005.0 ■	4.775-466.0			Effortless, not energy-sapping: the EASY!Force high-pressure gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero.
EASY!Force Food	2	4.118-015.0 ■	4.775-825.0			Perfect for the food industry: the EASY!Force high-pressure gun with full ceramic valve enables effortless working due to virtually zero holding force for the operator.
EASY!Force Ex	3	4.118-020.0 ■	4.775-793.0			Approved for use in explosion-risk areas, designed for effortless working: the EASY!Force high-pressure gun uses the recoil force of the high-pressure jet to reduce the holding force to zero.
High-end HP trigger gun	4	4.118-011.0 ■	4.775-823.0			Robust, durable high-end spray gun for use in the food industry and industry. Very low pressure loss, even with water volumes of up to 2500 l/h.
Servo control						
Servo Control controller with EASY!Lock	5	4.118-009.0 ■	4.775-471.0	1100 l/h		Water quantity and pressure regulated directly from the hand spray gun.
	6	4.118-008.0 ■	4.775-470.0	750-1100 l/h		
	7	4.118-007.0 ■	4.775-526.0	0-750 l/h		
Servo Control controller with EASY!Lock, Food	8	4.118-016.0 ■	4.775-805.0	750-1100 l/h		Water flow and pressure control on the trigger gun. Food-grade, parts in contact with water are stainless steel.
Quick connect						
Quick coupling	9	2.115-000.0 ■	6.401-458.0			For quick changing between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface.
Male coupling	10	2.115-001.0 ■	6.401-459.0			Hardened stainless steel male coupling for quick coupling 2.115-000.0

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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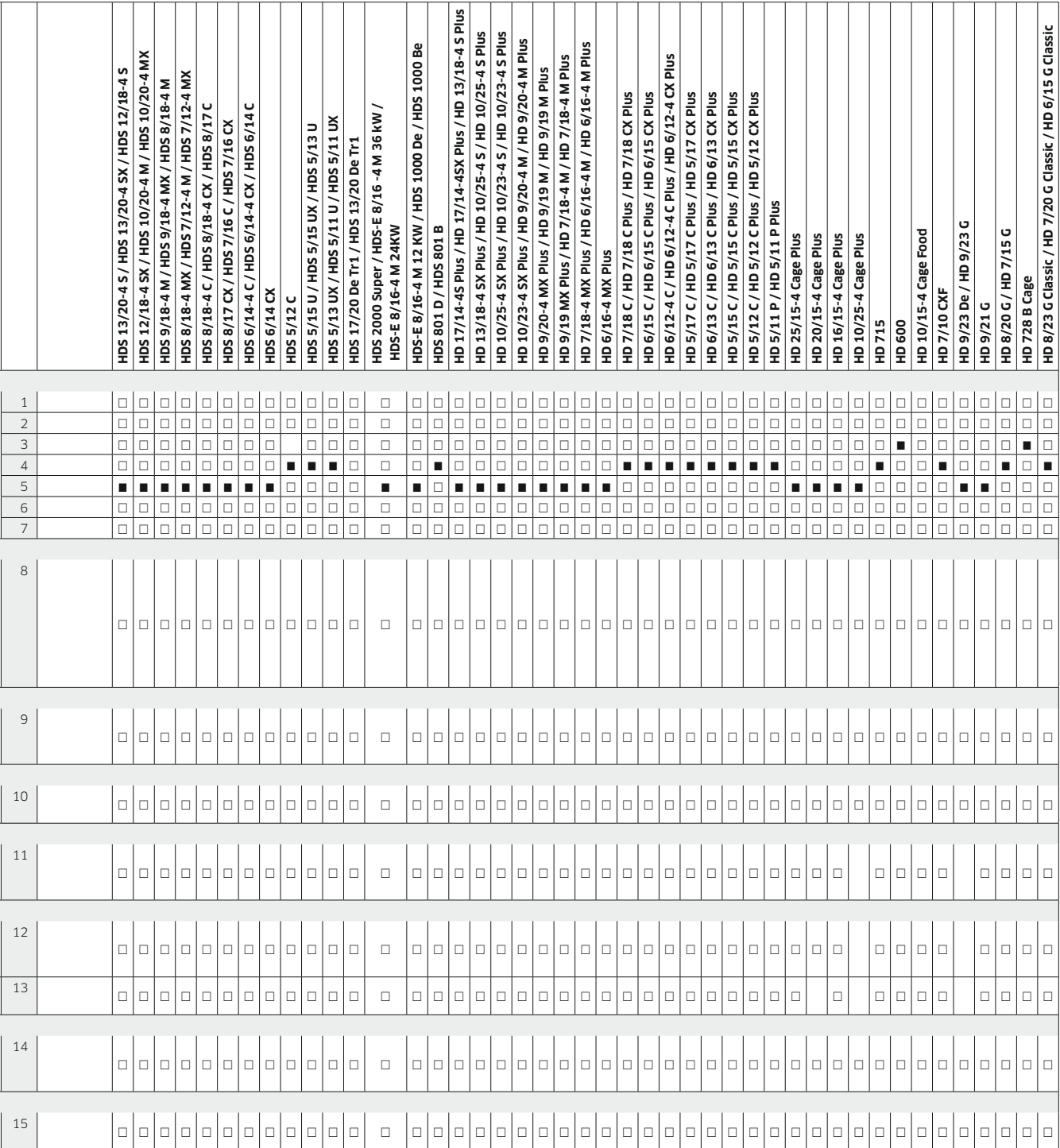
SPRAY LANCES



Kärcher spray lances made of high-quality stainless steel in various lengths can be rotated through 360° under pressure. They feature ergonomic handle bowls and large hand screw connections for optimal handling and protection. Special spray lances significantly extend the areas of use of high-pressure cleaners. For example, the flexible spray lance, which is ideal for cleaning hard-to-reach areas. Or the telescopic spray lance for cleaning ceilings and facades.

		Order No. EASY!Lock	Order No. until 2015	Max. working pressure	Length	Price	Description
Rotating spray lances							
Spray lance, 250 mm, rotatable	1	4.112-027.0	4.760-667.0	300 bar	250 mm		Spray lances in different lengths, stainless steel with large manual coupling. Ergonomic handle bowls ensure optimal handling and protection. Rotatable under pressure by 360°.
Spray lance, 400 mm, rotatable	2	4.112-024.0	4.760-665.0	300 bar	400 mm		
600 mm spray pipe, rotatable	3	4.112-007.0	4.760-664.0	300 bar	600 mm		
Spray lance, 840 mm, rotatable	4	4.112-006.0	4.760-663.0	300 bar	840 mm		
1050 mm spray pipe, rotatable	5	4.112-000.0	4.760-660.0	300 bar	1050 mm		
1550 mm spray pipe, rotatable	6	4.112-018.0	4.760-661.0	300 bar	1550 mm		
2050 mm spray pipe, rotatable	7	4.112-021.0	4.760-662.0	300 bar	2050 mm		
Additional handle							
Additional handle for EASY!Lock spray lances	8	4.321-380.0 ■					Comfortable in every situation - the additional handle is easy to attach to the spray lance of our new EASY!Lock generation and makes work easier by allowing you to adjust your posture to suit the particular task. Regularly changing your posture relieves the strain on your body, making work more relaxed. Thanks to the 360°-rotatable spray lance, the additional handle can simply be fully rotated whilst working for greater flexibility.
Double lance							
Double lance 960 mm	9	6.394-665.0	6.394-665.0	310 bar	960 mm		Continuous regulation of the working pressure directly on the handle with full water volume. Particularly suitable for agriculture (e.g. barn cleaning).
Angular spray lance							
Spray lance for toilets and rain gutters	10	4.112-029.0	4.760-073.0				With nozzle insert. Specially shaped for cleaning gutters and hygienically cleaning WCs. Stainless steel.
Flexible spray lance							
Flexible lance 1050 mm	11	4.112-035.0	6.394-654.0	210 bar	1050 mm		Continuous adjustment of the angle of the spray lance from 20–140°. Especially suitable for cleaning hard-to-reach places, e.g. roof gutters, car roofs, underbodies or wheel arches.
Telescopic spray lance							
Telescopic spray lance	12	4.112-037.0	6.394-690.0	225 bar			Can be continuously extended from 1.8 to 5.4 m. For cleaning areas that are difficult to reach (e.g. ceilings, facades). With integrated HD trigger gun.
Strap for telescopic spray pipe	13	6.373-987.0	6.373-987.0				Comfortable carrying strap to facilitate work with the telescopic spray lance.
Gutter cleaner							
Gutter cleaning lance	14	2.112-015.0	2.642-305.0				The spray lance is designed for cleaning gutter drainage systems. The lance shape and the special nozzle allow cleaning to be carried out without removing the cover screen.
Undercarriage spray lance							
Underbody lance	15	4.112-032.0	4.760-245.0		700 mm		Mobile; for convenient and effective cleaning of vehicle underbodies and wheel arches. Stainless steel. Without HP nozzle.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.



WASH BRUSHES



Wash brushes are ideal for stubborn contamination and sensitive surfaces. Kärcher offers a wide range of wash brushes for effective and gentle vehicle and facade cleaning. The mechanical cleaning effect of the bristles allows cleaning in low-pressure range. Kärcher wash brushes fit standard spray lances and triple nozzles. The rotating wash brushes have a powerful cleaning action. They are driven by the high-pressure cleaner's water stream.

		Order No. EASY!Lock	Order No. until 2015	Flow rate	Price	Description
Push-on washing brush						
Push-on washing brush	1	4.113-001.0	4.762-016.0			For all surface cleaning tasks. Clamps directly onto the spray lance.
	2	4.762-497.0	4.762-497.0			Clamps directly onto the double/triple nozzle of the machine. Suitable for new double/triple nozzles.
Rotating washing brush						
Rotating wash brush for < 800 l/h machines, nylon bristles	3	4.113-004.0	4.762-561.0	500-800 l/h		Driven by the water stream. For gentle removal of fine dust and grey film on all surfaces. Temperature-resistant up to 60°C (replaceable brush insert).
Rotating wash brush for > 800 l/h machines, nylon bristles	4	4.113-002.0	4.762-559.0	900-1300 l/h		
Rotating wash brush for < 800 l/h machines, natural hair bristles	5	4.113-003.0	4.762-560.0	500-800 l/h		
Rotating wash brush for > 800 l/h machines, natural bristles	6	4.113-005.0	4.762-562.0	900-1300 l/h		

☐ Available accessories. More Kärcher original accessories can be found on the following pages.

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POWER NOZZLES

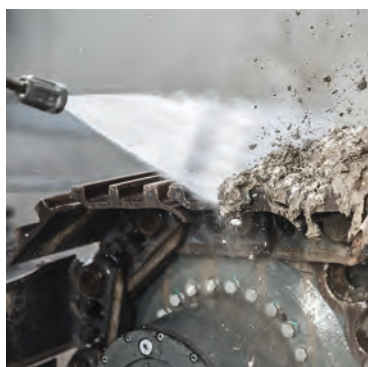


The Kärcher power nozzle cleans large surfaces considerably faster and more thoroughly. The sharply contoured spray jet, consisting of large, connected drops, offers up to 40% more impact force. This increases the cleaning power enormously.

■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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POWER NOZZLES



Kärcher power nozzles clean large areas much faster and more thoroughly. The sharply contoured spray jet, consisting of large, connected drops, offers up to 40% more collision force.

		Order No. EASY!Lock	Order No. until 2015	Nozzle size	Price	Description
Power nozzle, spray angle 25°						
Power nozzle, 25° spray angle	1	2.113-063.0	2.883-043.0	33		Flat jet nozzle for large area performance and stubborn dirt.
	2	2.113-000.0	2.883-803.0	34		
	3	2.113-004.0	2.885-255.0	35		
	4	2.113-005.0	2.883-821.0	36		
	5	2.113-006.0	2.883-805.0	38		
	6	2.113-021.0	2.883-397.0	40		
	7	2.113-007.0	2.883-831.0	42		
	8	2.113-008.0	2.883-829.0	43		
	9	2.113-022.0	2.883-398.0	45		
	10	2.113-009.0	2.883-894.0	47		
	11	2.113-010.0	2.883-804.0	48		
	12	2.113-023.0	2.883-399.0	50		
	13	2.113-024.0	2.883-400.0	52		
	14	2.113-011.0	2.883-927.0	54		
	15	2.113-026.0	2.883-402.0	60		
	16	2.113-012.0	2.883-948.0	62		
	17	2.113-027.0	2.885-133.0	68		
	18	2.113-028.0	2.883-404.0	70		
	19	2.113-015.0	2.883-406.0	80		
	20	2.113-016.0	2.883-407.0	90		
	21	2.113-017.0	2.883-408.0	100		
	22	2.113-018.0	2.883-785.0	110		
	23	2.113-060.0	2.885-459.0	115		
	24	2.113-029.0	2.885-170.0	125		
	25	2.113-030.0	2.885-157.0	155		
25° power nozzle for cleaning agent suction	26	2.113-020.0	2.884-521.0	250		Brass power nozzle for low-pressure operation and cleaning agent suction.
Power nozzle, spray angle 40°						
Power nozzle, spray angle 40°	27	2.113-003.0	2.884-522.0	40		Fan jet for high area performance – suitable for sensitive surfaces.
	28	2.113-053.0	2.884-523.0	45		
	29	2.113-054.0	2.884-524.0	50		
	30	2.113-055.0	2.884-525.0	55		
	31	2.113-056.0	2.884-526.0	75		
	32	2.113-057.0	2.884-527.0	80		
	33	2.113-069.0		90		
	34	2.113-067.0		130		

■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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TRIPLE NOZZLES



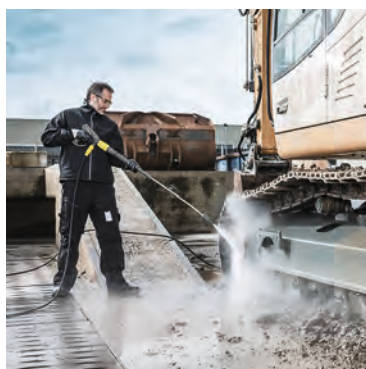
Kärcher triple nozzles combine quality, flexibility and cleaning power. The rugged and high-quality stainless steel nozzle guarantees a long service life. Choose one of 3 spray types: 0° high-pressure point stream, 25° high-pressure flat stream and 40° low-pressure stream (with cleaning agent inlet). The integrated power nozzle contour in the 25° high-pressure flat stream guarantees maximum cleaning power.

		Order No. EASY!Lock	Order No. until 2015	Max. working pressure	Nozzle size	Price	Description
Triple nozzles							
Triple nozzle	1	4.117-024.0	4.767-144.0	300 bar	28		Manually switchable triple nozzle with stainless steel nozzle. Sturdy, durable and resistant to dirt. Easy jet changeover between high-pressure point stream (0°), high-pressure flat stream with power nozzle contour (25°), and low-pressure flat stream (40°). For machines with injectors, low-pressure flat stream is used for cleaning agent suction and application.
	2	4.117-027.0	4.767-195.0	300 bar	32		
	3	4.117-029.0	4.767-147.0	300 bar	34		
	4	4.117-030.0	4.767-212.0	300 bar	35		
	5	4.117-031.0	4.767-148.0	300 bar	36		
	6	4.117-032.0	4.767-149.0	300 bar	38		
	7	4.117-033.0	4.767-150.0	300 bar	40		
	8	4.117-034.0	4.767-151.0	300 bar	42		
	9	4.117-035.0	4.767-152.0	300 bar	43		
	10	4.117-036.0	4.767-002.0	300 bar	45		
	11	4.117-037.0	4.767-065.0	300 bar	50		
	12	4.117-038.0	4.767-155.0	300 bar	53		
	13	4.117-040.0	4.767-067.0	300 bar	60		
Angled vario nozzle, 0-90°							
Angled Vario nozzle, 0-90°	14	4.113-007.0	4.763-039.0		50		Allows variable adjustment of the high-pressure jet spray angle from 0-90°. This allows easy adaptation to all types of contaminations and surfaces.
	15	4.113-008.0	4.763-058.0		55		
	16	4.113-006.0	4.763-036.0		80		

■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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ROTARY NOZZLES



The Kärcher dirt blaster combines the advantages of point jets and flat streams. The nozzle spins at approximately 4,000 rpm on its own axle to apply a powerful cleaning spray to a large area.

		Order No. EASY!Lock	Order No. until 2015	Max. working pressure	Nozzle size	Price	Description
Dirt Blaster, small							
Dirt blaster	1	4.114-018.0	4.767-229.0	180 bar	30		Dirt blaster with rotating point jet for 10 times the power and an increase in cleaning and area performance of up to 50% over its predecessor. Ceramic nozzle/bearing ring. Max. 180 bar/18 Mpa. 60°C.
	2	4.114-019.0	4.767-230.0	180 bar	35		
	3	4.114-020.0	4.767-231.0	180 bar	40		
	4	4.114-021.0	4.767-232.0	180 bar	45		
	5	4.114-022.0	4.767-233.0	180 bar	50		
Dirt blaster, large							
Dirt blaster	6	4.114-040.0	4.763-931.0	300 bar	35		Dirt blaster – rotating point jet – 10 times the cleaning performance. Maximum working time thanks to ceramic nozzle/bearing ring. Max. 300 bar / 30 MPa, 85°C.
	7	4.114-041.0	4.763-252.0	300 bar	40		
	8	4.114-042.0	4.763-988.0	300 bar	45		
	9	4.114-027.0	4.763-253.0	300 bar	50		
	10	4.114-036.0	4.763-250.0	300 bar	55		
	11	4.114-030.0	4.763-254.0	300 bar	70		
	12	4.114-043.0	4.767-076.0	300 bar	90		
	13	4.114-048.0	4.764-208.0	300 bar	100		
	14	4.114-044.0	4.763-930.0	300 bar	120		
	15	4.114-049.0	4.764-209.0	300 bar	130		
	16	4.114-046.0	4.764-201.0	300 bar	170		

■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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STEAM JET NOZZLES



Whether for thawing and de-icing or depreserving vehicles – thanks to the special brass steam jet nozzles, Kärcher hot water high-pressure cleaners can also be used in steam operation.

		Order No. EASY!Lock	Order No. until 2015	Nozzle size	Price	Description
Steam jet nozzles						
Steam jet nozzle	1	4.116-000.0	4.766-023.0	1.5		50° flat stream for cleaning and thawing in the steam stage, e.g. thawing sand and gravel, de-icing form work, depreserving vehicles.
	2	4.116-001.0	4.766-024.0	2		
	3	2.114-000.0	2.885-045.0	40		Brass steam nozzle for operation of the HDS in steam stage.
	4	2.114-001.0	2.885-046.0	45		
	5	2.114-002.0	2.885-039.0	50		
	6	2.114-004.0	2.885-040.0	60		
	7	2.114-006.0	2.885-041.0	70		
	8	2.114-008.0	2.885-042.0	80		
	9	2.114-009.0	2.885-120.0	85		
	10	2.114-012.0	2.885-044.0	110		
Nozzle protector for steam nozzle						
Nozzle protector, rubber	11	5.394-059.0	5.394-059.0			Nozzle protection for steam jet nozzles 4.116-000.0 and 4.116-001.0.
■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.						

■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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PIPE CLEANING



Kärcher high-pressure cleaners can be used in combination with a special “pipe cleaning” accessory for optimal cleaning of dirty and blocked drains and pipes. The nozzle jets are set at an angle to allow the nozzle and hose to move freely through the pipe. Stubborn deposits adhering to the pipe walls are dislodged and washed out. Movement through very long or curved pipes may need assistance. The forward-facing rotating pencil jet effortlessly clears stubborn blockages.

		Order No. EASY!Lock	Order No. until 2015	Max. working pressure	Nozzle size	Diameter	Price	Description
Pipe cleaning hose, ID 6								
Pipe cleaning hose, ID 6, 10 m, max. 250 bar	1	6.110-046.0 ■		250 bar				Particularly flexible high-pressure hoses for pipe interior cleaning (threaded connection for nozzle R 1/8").
Pipe cleaning hose, ID 6, 20 m, max. 250 bar	2	6.110-008.0	6.390-030.0	250 bar				
Pipe cleaning hose, ID 6, 30 m, max. 250 bar	3	6.110-047.0 ■		250 bar				
Pipe cleaning hose, ID 6, 10 m, max. 140 bar	4	6.110-048.0 ■		140 bar				
Pipe cleaning hose, ID 6, 20 m, max. 140 bar	5	6.110-049.0	6.390-028.0	140 bar				
Pipe cleaning hose, ID 6, 30 m, max. 140 bar	6	6.110-050.0	6.390-029.0	140 bar				
Pipe cleaning nozzle								
Pipe cleaning dirt blaster D 25 / 040	7	6.415-944.0	6.415-944.0		40	25 mm		With R 1/8" connection for attachment to pipe cleaning hose. 1 × forward rotary nozzle, 3 × 30° backwards.
Pipe cleaning dirt blaster D 25 / 060	8	6.415-945.0	6.415-945.0		60	25 mm		
Pipe cleaning dirt blaster D 30 / 040	9	6.415-946.0	6.415-946.0		40	30 mm		
Pipe cleaning dirt blaster D 30 / 060	10	6.415-947.0	6.415-947.0		60	30 mm		
Pipe cleaning dirt blaster D 35 / 040	11	6.415-948.0	6.415-948.0		40	35 mm		
Pipe cleaning dirt blaster D 35 / 060	12	6.415-949.0	6.415-949.0		60	35 mm		
Pipe cleaning nozzle 080	13	5.763-087.0	5.763-087.0		80	25 mm		With R 1/8" connection for attachment to pipe cleaning hose. 4 × 30° backwards.
Pipe cleaning nozzle 100	14	5.763-088.0	5.763-088.0		100	24 mm		
Pipe cleaning nozzle 120	15	5.763-089.0	5.763-089.0		120	16 mm		With R 1/8" connection for attachment to pipe cleaning hose. 8 × 30° backwards.
Pipe cleaning nozzle	16	5.763-015.0	5.763-015.0		55	16 mm		With R 1/8" connection for attachment to pipe cleaning hose. 3 × 30° backwards, Ø 16 mm.
	17	5.763-019.0	5.763-019.0		65	16 mm		
	18	5.763-016.0	5.763-016.0		60	16 mm		With R 1/8" connection for attachment to pipe cleaning hose. 1 × forwards, 3 × 30° backwards, Ø 16 mm.
	19	5.763-020.0	5.763-020.0		65	16 mm		
	20	5.763-017.0	5.763-017.0		50	30 mm		With R 1/8" connection for attachment to pipe cleaning hose. 3 × 30° backwards, Ø 30 mm.
	21	5.763-021.0	5.763-021.0		70	30 mm		
Rotating pipe cleaning nozzle	22	6.415-428.0	6.415-428.0		50	16 mm		With R 1/8" connection for attachment to pipe cleaning hose. Four rotating jets.
	23	6.415-440.0	6.415-440.0		65	16 mm		With R 1/8" connection for attachment to pipe cleaning hose. Four rotating jets.

■ NEW □ Available accessories. More Kärcher original accessories can be found on the following pages.

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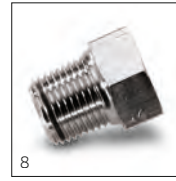
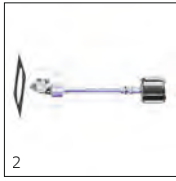
BARREL AND CONTAINER CLEANING



Kärcher also offers numerous accessories for barrel and deposit cleaning for perfect results in combination with Kärcher high-pressure cleaners. For example, the spray heads from the HKF range. They are optimally suited to interior cleaning of containers with capacities of up to 3,000 litres and openings from 50 mm. Or the BC 14/12, specially developed for oak barrels, which even has an integrated vacuum function.

		Order No. EASY!Lock	Order No. until 2015	Nozzle size	Price	Description
Barrel and tank cleaning						
Barrel cleaner BC 14/12 C	1	2.112-020.0	2.641-740.0			The BC 14/12 is a spray unit for efficient interior cleaning of containers and barrels, especially oak barrels with a capacity between 225 and 600 litres.
HKF 50 spray head, brass						
HKF 50 spray head, brass	2	3.631-039.0	3.631-039.0			Immersion depth 850 mm. Interior cleaning head for barrel and deposit cleaning for bung hole diameters from 50 mm. Can be connected directly to the high-pressure cleaner. Electro motor drive. Vertical and horizontal operation possible.
Nozzle kit for spray head HKF 50 (3.631-009.0 / 3.631-039.0)						
Nozzle 030 for 2-nozzle operation HKF 50	3	6.415-444.0	6.415-444.0	30		2 × nozzle 030 for 2-nozzle operation.
Nozzle 045 for 2-nozzle operation HKF 50	4	6.415-446.0	6.415-446.0	45		2 × nozzle 045 for 2-nozzle operation.
Nozzle 090 for 1-nozzle operation HKF 50	5	6.415-447.0	6.415-447.0	90		1 × nozzle 090 for 1-nozzle operation.
Cone for plugging into bung holes	6	4.132-002.0	4.132-002.0			Cone for fixing in bung holes.
Double grip for precise control of spray head	7	2.863-036.0	2.863-036.0			Double grip for precise control of spray head.
Screw plug for using a spray head with one nozzle	8	5.411-061.0	5.411-061.0			Screw plug for spray head operation with one nozzle.

□ Available accessories. More Kärcher original accessories can be found on the following pages.



			HDS 13/20-4 S / HDS 13/20-4 SX	
			HDS 12/18-4 S / HDS 12/18-4 SX	
			HDS 10/20-4 M / HDS 10/20-4 MX / HDS 9/18-4 M	
			HDS 9/18-4 MX	
			HDS 8/18-4 M / HDS 8/18-4 MX / HDS 7/12-4 M	
			HDS 7/12-4 MX / HDS 8/18-4 C / HDS 8/18-4 CX	
			HDS 8/17 C / HDS 8/17 CX	
			HDS 7/16 C / HDS 7/16 CX / HDS 6/14-4 C	
			HDS 6/14-4 CX / HDS 6/14 C / HDS 6/14 CX	
			HDS 2000 Super	
			HD 17/14-4S Plus / HD 17/14-4SX Plus	
			HD 13/18-4 S Plus / HD 13/18-4 SX Plus / HD 10/25-4 S	
			HD 10/25-4 S Plus / HD 10/25-4 SX Plus / HD 10/23-4 S	
			HD 10/23-4 S Plus / HD 10/23-4 SX Plus	
			HD 9/20-4 M / HD 9/20-4 M Plus / HD 9/20-4 MX Plus	
			HD 9/19 M / HD 9/19 M Plus / HD 9/19 MX Plus	
			HD 7/18-4 M / HD 7/18-4 M Plus / HD 7/18-4 MX Plus	
			HD 6/16-4 M / HD 6/16-4 M Plus / HD 6/16-4 MX Plus	
			HD 7/18 C / HD 7/18 C Plus / HD 7/18 CX Plus	
			HD 6/15 C / HD 6/15 C Plus / HD 6/15 CX Plus	
			HD 6/12-4 C / HD 6/12-4 C Plus / HD 6/12-4 CX Plus	
			HD 6/13 C / HD 6/13 C Plus / HD 6/13 CX Plus	
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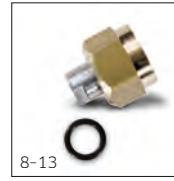
SURFACE CLEANER



Surface cleaners offer extensive area performance and clean without splashing. They come with a plastic and stainless steel hood (hot water operation). Tip for extra-large surfaces: the FR 50 Me.

		Order No. EASY!Lock	Order No. until 2015	Flow rate	Nozzle size	Diameter	Price	Description
FR Classic Surface Cleaner								
FR Classic Surface Cleaner	1	2.111-016.0	2.643-476.0			300 mm		The entry-level model of Kärcher surface cleaners for splash-proof cleaning of surfaces in inside and outside areas. Nozzle kit must be ordered separately. Max. 150 bar / 600 l/h / 40°C.
Hard Surface Cleaner FR 30								
FR 30	2	2.111-011.0	2.642-997.0			300 mm		Up to 10 times greater area coverage compared with the conventional high-pressure jet. Plastic casing for optimal manoeuvrability, double ceramic bearing for long working times, flexible connection joint for optimal handling and integrated parking position. Machine-specific nozzle kit must be ordered separately. Max. 180 bar / 850 l/h / 60°C.
FR 30 Me Surface Cleaner								
Hard Surface Cleaner FR 30 Me	3	2.111-013.0	2.640-355.0			300 mm		High-quality, hot water-resistant surface cleaner with stainless steel casing, double ceramic bearing, non-marking steering rollers, integrated suction hose connection for suction of the spray water. Ideal for interior cleaning and use in the food industry. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 1300 l/h / 85°C.
Hard Surface Cleaner FR 50								
Surface Cleaner FR 50 Me	4	2.111-023.0	2.640-679.0			500 mm		With 500 mm working width, the FR 50 Me is especially suitable for large surfaces. Hot water-resistant, stainless steel casing, double ceramic bearing, convenient push handle, non-marking steering rollers and integrated cleaning agent dosing at low pressure. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 1800 l/h / 85°C.
Machine-specific nozzle kits for FR Classic								
Nozzle kit for FR Classic 028	5	2.885-436.0	2.885-436.0		28			Machine-specific nozzle kit for FR Classic.
Nozzle kit for FR Classic 034	6	2.885-313.0	2.885-313.0		34			
Nozzle kit for FR Classic 040	7	2.885-312.0	2.885-312.0		40			
Machine-specific nozzle kits for FR								
Nozzle kit for surface cleaners	8	2.640-482.0	2.640-482.0	450-500 l/h				Kärcher machine-specific power nozzle kit for surface cleaners.
	9	2.640-401.0	2.640-401.0	500-650 l/h				
	10	2.639-187.0	2.639-187.0	650-850 l/h				
	11	2.640-442.0	2.640-442.0	850-1100 l/h				
	12	2.639-188.0	2.639-188.0	1100-1300 l/h				
	13	2.640-781.0	2.640-781.0	1300-1800 l/h				

■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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SURFACE CLEANER WITH SUCTION



No more annoying rinsing! The Surface Cleaners FRV 30, FRV 30 Me and now also the FRV 50 Me clean with the highest area performance without splashing and at the same time automatically suction the dirty water.

		Order No. EASY!Lock	Order No. until 2015	Nozzle size	Price	Description
Hard Surface Cleaner FRV 30						
FRV 30 Surface Cleaner	1	2.111-010.0	2.642-999.0			With the integrated, automatic suction of the dirty water, the FRV 30 makes surface cleaning even more efficient and can be used in both inside and outside areas. There is no longer a need to rinse the surface after cleaning, since the dirty water can be discharged through the 5 m suction hose supplied. Additional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 1300 l/h / 60°C.
Rubber lip for FRV 30	2	2.642-910.0	2.642-910.0			For using the FRV 30 on smooth floors indoors. The squeegee increases the suction performance of the FRV 30 and minimises the amount of water remaining. This means that interior floors are dry in just a few minutes.
Extension hose 5 m	3	4.440-939.0	4.440-939.0			5 m extension hose for FRV 30. Includes connection adapters.
ABS hose fastening	4	2.642-528.0	2.642-528.0			Suction cup for fixing the suction hose to smooth surfaces.
ABS dirt trap	5	2.642-532.0	2.642-532.0			Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.
FRV 30 Me Surface Cleaner						
Surface Cleaner FRV 30 Me	6	2.111-012.0	2.642-911.0			Thanks to automatic suction of the waste water, the stainless steel FRV 30 Me Surface Cleaner makes surface cleaning more efficient in both inside and outside areas. Hot water cleaning up to 85°C. The FRV 30 Me features a temperature-resistant 7.5 m polyurethane suction hose. Additional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 1300 l/h / 85°C.
Extension hose FRV 30 Me and FRV 50 Me	7	4.441-040.0	4.441-040.0			5 m extension hose for FRV 30 Me. Includes connection adapters.
Surface Cleaner FR 50 Me						
Surface Cleaner FRV 50 Me	8	2.111-024.0 ■	2.643-598.0			Surface cleaning with automatic suction of the dirty water for very large surfaces: the FRV 50 Me. Hot water cleaning up to 85°C. The FRV 50 Me features a temperature-resistant 10 m polyurethane suction hose. Additional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 2000 l/h / 85°C.
Machine-specific nozzle kits for FRV						
Nozzle kit 035 - for FRV	9	2.642-430.0	2.642-430.0	35		Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.
Nozzle kit 040 - for FRV	10	2.642-431.0	2.642-431.0	40		
Nozzle kit 045 - for FRV	11	2.642-432.0	2.642-432.0	45		
Nozzle kit 050 - for FRV	12	2.642-433.0	2.642-433.0	50		
Nozzle kit 080 - for FRV	13	2.642-982.0	2.642-982.0	80		

■ NEW □ Available accessories. More Kärcher original accessories can be found on the following pages.

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WET JET UNIT



The wet blasting attachment fits easily on Kärcher high-pressure cleaner spray lances. The abrasive is sucked up, entrained in the water jet and applied with a powerful abrasive action. Ideal for removing rust, scale and paint from components as well as graffiti.

		Order No. EASY!Lock	Order No. until 2015	Nozzle size	Price	Description
Wet blasting attachment (without nozzle)						
Wet blasting attachment with flow control (nozzles not included)	1	4.115-000.0	4.762-010.0			Adds abrasive to high-pressure jet. For removing paint, rust, scaling. Fits on spray lance in place of HP nozzle. With flow control.
Wet blasting attachment without flow control (nozzles not included)	2	4.115-006.0	4.762-022.0			Adds abrasive to high-pressure jet. For removing paint, rust, scaling. Fits on spray lance in place of HP nozzle. Without flow control.
Nozzle kits for wet jet unit						
Nozzle kit for wet jet unit 035	3	2.638-526.0	2.638-526.0	35 mm		Consisting of wet jet nozzle and nozzle insert - only for use in combination with wet jet unit 4.115-000.0 4.115-006.0.
Nozzle kit for wet jet unit 040	4	2.637-900.0	2.637-900.0	40 mm		
Nozzle kit for wet jet unit 045	5	2.637-901.0	2.637-901.0	45 mm		
Nozzle kit for wet jet unit 050	6	2.637-902.0	2.637-902.0	50 mm		
Nozzle kit for wet jet unit 055	7	2.637-903.0	2.637-903.0	55 mm		
Nozzle pack for wet blasting attachment	8	2.637-904.0	2.637-904.0	60 mm		
Nozzle kit for wet jet unit 065	9	2.637-905.0	2.637-905.0	65 mm		
Nozzle kit for wet jet unit 070	10	2.637-906.0	2.637-906.0	70 mm		
Nozzle kit for wet jet unit 080	11	2.637-908.0	2.637-908.0	80 mm		
Nozzle kit for wet jet unit 090	12	2.637-909.0	2.637-909.0	90 mm		
Nozzle kit for wet jet unit 100	13	2.637-910.0	2.637-910.0	100 mm		
Boron carbide nozzle						
Boron carbide nozzle, for machines up to 1000 l/h	14	6.415-084.0		6 mm		In addition to nozzle kits. Highly wear-resistant spray nozzle with boron carbide chuck for continuous use.
Boron carbide, for machines from 1000 l/h	15	6.415-083.0		8 mm		

□ Available accessories. More Kärcher original accessories can be found on the following pages.

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FOAM SYSTEMS



The handy cup foam lance from Kärcher is particularly suitable for vehicle washes. The cleaning agent tank is on the lance. The injector for detergent inlet is integrated into the lance and is compatible with numerous Kärcher cleaning appliances.

		Order No. EASY!Lock	Order No. until 2015	Flow rate	Price	Description
Inno Foam Kit						
Inno Foam Set with detergent injector	1	2.112-000.0	2.640-151.0			HP foam system for use with mobile and stationary HP/HDS machines for cleaning and disinfection. Dual jet pipe with foam jet and conversion to HP stream for clear rinsing. The nozzle kits for different unit classes must be ordered separately.
Inno Foam Set	2	2.112-008.0	2.640-692.0			
Inno Foam Set HD 7/10 CXF with cleaning agent injector and nozzle kit	3	2.112-009.0	2.641-544.0			
Easy Foam Set						
Easy Foam Set with RM injector	4	2.112-010.0	2.640-691.0			HP foam system for mobile and stationary HP/HDS machines for cleaning and disinfection. Foam jet for connection to HP spray lance. The nozzle kits for different unit classes must be ordered separately.
Easy Foam Set	5	2.112-011.0	2.640-693.0			
HD 7/10 CXF with cleaning agent injector and nozzle kit	6	2.112-012.0	2.641-564.0			
Nozzle kits for Inno/Easy Foam Set						
Nozzle kit 110 for Inno / Easy Set 1000-1300 l/h	7	2.111-020.0	2.640-689.0	1000-1300 l/h		Can be adapted to different unit performances for cost-effective use.
Nozzle kit 090 for Inno / Easy Set 700-1000 l/h	8	2.111-019.0	2.640-688.0	700-1000 l/h		
Nozzle kit 060 for Inno / Easy Set 600-700 l/h	9	2.111-018.0	2.640-687.0	600-700 l/h		
Nozzle kit 055 for Inno / Easy Set 500-600 l/h	10	2.111-009.0	2.640-870.0	500-600 l/h		
Nozzle kit 110 for Inno / Easy Set for HD 13/18	11	2.111-022.0	2.640-694.0	1300 l/h		For HD 13/18.
Foam nozzle mounting kit						
Foam nozzle attachment kit	12	2.112-013.0	2.637-926.0			For applying foam cleaning agent in metered quantities in sanitary and food areas or where long reaction times are necessary; fits to spray lance in place of HP nozzle.
Cup foam lance						
Cup foam lance Advanced 025	13	2.112-017.0 ■	6.394-968.0			Short, handy foam lance with 1-litre cleaning agent container directly on the lance. Thanks to its compact construction style, it is ideal, for example, for cleaning lorries with foam. Swivelling connection M 22 × 1.5, variable cleaning agent dosage via control on lance, adjustable spray angle.
Cup foam lance Advanced 042	14	2.112-018.0 ■	6.394-969.0			
1-litre cleaning agent container for foam lance	15	6.414-954.0	6.414-954.0			Additional 1-litre cleaning agent container for quick replacement of the cleaning agent (for foam lance 6.394-668.0).

■ NEW □ Available accessories. More Kärcher original accessories can be found on the following pages.

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CLEANING AGENT INJECTORS



The injectors are attached to the high-pressure output of the HD/HDS devices. The dosing is adjusted directly on the cleaning agent injector. Important: use the corresponding nozzle kit for the device.

		Order No. EASY!Lock	Order No. until 2015	Price	Description
Cleaning agent injector					
Cleaning agent injector for high and low pressure (without nozzle)	1	4.637-032.0	3.637-001.0		Cleaning agent dosing. Separately from the machine in low and high pressure. Dosage up to 15%.
Cleaning agent injector for high pressure (without nozzle)	2	4.637-033.0	3.637-170.0		Cleaning agent dosing in high pressure 3-5%.
Cleaning agent dosing attachment kit for HD 25/15-4 and HD 20/15-4 Cage Plus	3	4.637-031.0	3.637-250.0		Attachment kit for cleaning agent dosing in low and high pressure 0-5%. Consists of cleaning agent injector + nozzle insert + low pressure nozzle + rollover nozzle holder (for conveniently switching between high and low pressure).
Stainless steel injector kit for HD 6/15C	4	6.645-758.0	6.645-758.0		Specially suitable for high-pressure cleaner HDS 6/15 C, the stainless steel injector ensures precise dosing in cleaning agent and foam applications. With suction hose and filter.
Stainless steel injector kit for HD 7/18-4M/HDS 8/18-4C	5	6.645-759.0	6.645-759.0		The stainless steel injector for our high-pressure cleaners HD 7/18-4 M and HDS 8/18-4 C ensures precise dosing in cleaning agent and foam applications. With suction hose and filter.
Stainless steel injector kit for HD 9/20-4M	6	6.645-760.0	6.645-760.0		Specially suitable for high-pressure cleaner HDS 9/20-4 M, the stainless steel injector ensures precise cleaning agent dosing. Comes complete with suction hose and filter.
Stainless steel injector kit for HD 10/25-4S	7	6.645-761.0	6.645-761.0		Specially suitable for high-pressure cleaner HDS 10/25-4 S, the stainless steel injector ensures precise cleaning agent dosing. Comes complete with suction hose and filter.
Stainless steel injector kit for HDS 10/20-4M	8	6.645-762.0	6.645-762.0		Specially suitable for high-pressure cleaner HDS 10/20-4 M, the stainless steel injector ensures precise cleaning agent dosing. Comes complete with suction hose and filter.
Stainless steel injector kit for HDS 12/18-4S	9	6.645-763.0	6.645-763.0		Especially suitable for high-pressure cleaner HDS 12 / 18-4 S, the stainless steel injector ensures precise dosing in cleaning agent and foam applications. With suction hose and filter.
Dosing valve for stainless steel injector	10	6.500-000.0	6.500-000.0		Retrofittable dosing valve for steel injectors. Allows for easy, comfortable and precise adjustment of the cleaning agent dosage by means of a rotary knob.
Nozzle insert with order no. 3.637-001.0					
Nozzle insert up to 1100 l/h - high pressure	11	4.769-003.0	4.769-003.0		High pressure for units up to 1100 l/h.
Nozzle insert from 1100 l/h - HD	12	4.769-002.0	4.769-002.0		High pressure for units from 1100 l/h.
Nozzle insert up to 1100 l/h - low pressure	13	4.769-001.0	4.769-001.0		Low pressure for units up to 1100 l/h.
Nozzle insert from 1100 l/h - ND	14	4.769-006.0	4.769-006.0		Low pressure for units from 1100 l/h.
Machine-specific nozzle kit with order no. 3.637-170.0					
Nozzle kit HD 500-700 l/h	15	4.769-045.0	4.769-045.0		Consists of nozzle insert + HP power nozzle + coupling.
Nozzle kit 500-700 l/h	16	4.769-046.0	4.769-046.0		
Nozzle kit 750-1000 l/h	17	4.769-047.0	4.769-047.0		
Nozzle kit 1000-1200 l/h	18	4.769-048.0	4.769-048.0		

□ Available accessories. More Kärcher original accessories can be found on the following pages.

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ATTACHMENT KITS



With different attachment kits, machines can be adapted to the requirements of specific areas of use. For example, the crane loading attachment kit makes it easy to transport the machine to construction sites. With the coin remote control attachment kit, 3-phase HDS Middle and Super class machines can be used for self-service operation. The grey wheel attachment kit makes the machines suitable for use in the food industry or swimming pools.

		Order No. EASY!Lock	Order No. until 2015	Price	Description
Crane lifting kit					
Crane loading attachment kit for HDS Compact class	1	2.642-638.0	2.642-638.0		Effortless loading by crane.
Crane loading kit for HD Super class	2	2.640-438.0	2.640-438.0		
Crane loading attachment kit for HDS Middle and Super class	3	2.642-424.0	2.642-424.0		
Wheel mounting kit					
Wheel attachment kit for HDS 1000 Be/De	4	2.637-820.0	2.637-820.0		Convenient manoeuvrability with pneumatic tyres.
Grey wheel kit					
Grey wheel kit HDS M/S	5	2.641-975.0	2.641-975.0		Non-marking grey wheels suitable for use in sanitary areas, food industry or swimming pools.
Flame monitoring attachment kit					
Flame monitoring attachment kit for HDS Compact class	6	2.642-711.0	2.642-711.0		A light sensor monitors the burner flame. The fuel supply is shut off if the flame goes out.
Flame monitoring attachment kit for HDS M/S	7	2.641-796.0	2.641-796.0		
Water filter set					
Water filter attachment kit for HD 25/15-4 Cage Plus	8	2.851-065.0	2.851-065.0		For HD 25/15-4 Cage Plus.
Water filter attachment kit for HD 20/15-4 and HD 16/15-4 Cage Plus	9	2.851-252.0	2.851-252.0		For HD 20/15-4 and HD 16/15-4 Cage Plus.
Elapsed time counter set					
Add-on hour counter	10	2.851-066.0	2.851-066.0		The operating hour counter meters the operating time for contractors and machine hire companies. It also makes it easier to check when the unit needs servicing.
Y distributor					
Y distributor	11	4.111-024.0	4.405-048.0		Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.
Set of puncture-proof wheels					
Set of puncture-proof wheels	12	2.851-067.0	2.851-067.0		The foam-filled wheels combine the ride comfort of pneumatic wheels and the puncture protection of solid rubber wheels.
Set of guide rolls					
Set of guide rolls	13	2.851-042.0	2.851-042.0		Two steering rollers for even better mobility and manoeuvrability.
Chemical take-up set					
Chemical take-up set	14	2.641-944.0	2.641-944.0		Extension for cleaning agent suction from drums at ground level.

□ Available accessories. More Kärcher original accessories can be found on the following pages.

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		Order No. EASY!Lock	Order No. until 2015	Price	Description
Foam lance holder set					
Foam lance holder set	15	2.641-947.0	2.641-947.0		Additional spray lance for safe storage, e.g. of the Inno foam lance.
Accumulator kits					
Add-on accumulator for HDS M/S	16	2.641-803.0	2.641-803.0		The pressure tank can also be mounted on the HDS machine in order to dampen any pressure surges and thus protect the line system of the machine.
Remote control set					
Remote control attachment kit, HDS-M class	17	2.642-157.0	2.642-157.0		Remote control for the machines of the HDS Middle and Super class with the functions on/off, hot/cold water and cleaning agent on/off. For mounting to a wall.
Coin-op remote control					
Coin remote control attachment kit, HDS-M class	18	2.642-158.0	2.642-158.0		Retrofittable coin acceptor for machines in the HDS Middle and Super class for self-service operation. For installation on the machine.
Cage frame attachment kit					
Cage frame attachment kit, large	19	2.637-007.0	2.637-007.0		Robust cage frame for the machines in the HD Gasoline Advanced range to protect the components, incl. eyelets for loading by crane.
Cage frame attachment kit, small	20	2.637-008.0	2.637-008.0		
Starting current limiter					
Starting current limiter	21	2.637-495.0	2.637-495.0		For reducing the inrush current with single-phase AC and protection of the line fuse.

☐ Available accessories. More Kärcher original accessories can be found on the following pages.

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OTHER ACCESSORIES



Kärcher high-pressure cleaners can deliver good results even without access to the water mains. We offer a range of high-performance fine-mesh filters for use with industrial water or natural water sources. Additional professional accessories further expand the scope of applications of Kärcher high-pressure cleaners.

		Order No. EASY!Lock	Order No. until 2015	Length	Price	Description
Water supply hose						
Water supply hose	1	4.440-038.0	4.440-038.0	7.5 m		NW 13 R 1" / R 3/4", up to 30°C.
	2	4.440-207.0	4.440-207.0	7.5 m		NW 19 R 1" / R 3/4", up to 85°C, for vacuuming operation with copper strand for earthing the machine.
	3	4.440-270.0	4.440-270.0	7.5 m		ID 19 R 1" / R 1", up to 85°C.
Geka coupling						
Geka connector with hose barb, R 1/2"	4	6.388-461.0	6.388-461.0			With hose barb, R 1/2".
Geka connector with hose barb, R 3/4"	5	6.388-455.0	6.388-455.0			With hose barb, R 3/4".
Geka connector with hose barb, R 1"	6	6.388-465.0	6.388-465.0			With hose barb, R 1".
Geka connector with inner thread, R 3/4"	7	6.388-473.0	6.388-473.0			With inner thread, R 3/4".
Geka connector with internal thread, R 1"	8	6.388-458.0	6.388-458.0			With inner thread, R 1".
Water fine filter						
Water fine filter, 100 µm, R 3/4"	9	2.637-691.0	2.637-691.0			Installation on unit input, 100 µm, R 3/4".
Water fine filter, 90-120 µm, R 1", suitable for pressure and vacuuming operation	10	2.638-255.0	2.638-255.0			Mounted on the machine, suitable for pressure and vacuuming operations, 90-120 µm, R 1".
Water fine filter, with adapter	11	4.730-102.0	4.730-102.0			Installation on unit input, 125 µm, with adapter R 3/4" / R 1".
Water fine filter, 100 µm, R 1"	12	2.638-270.0	2.638-270.0			Installation on unit input, 100 µm, R 1".
Suction filter						
Water suction filter	13	6.414-956.0	6.414-956.0			Suitable for ponds, storage tanks or similar, polyamide filter casing, stainless steel strainer, 800 µm mesh, R 3/4" and R 1" connection, without non-return valve.
Suction filter with check valve	14	4.730-012.0	4.730-012.0			With non-return valve, brass, R 1" connection.
Backflow check valve						
Backflow preventer	15	2.641-374.0	2.641-374.0			To prevent cleaning agent from entering the drinking water circuit when there is a vacuum in the water line. Hot water-resistant up to 80°C - certified according to IEC 60335-2-79. Built-in leakage protection, connector R 1" / R 3/4".

□ Available accessories. More Kärcher original accessories can be found on the following pages.



1



2-3



4-8



9, 12



10



11



13



14



15

[illegible]

HIGH PRESSURE AT YOUR FINGERTIPS

Our stationary high-pressure units deliver impressive cleaning results in a wide variety of industries and applications due to their high power, efficiency and durability. Applications include all areas of food processing, the automotive industry and vehicle repair shops, the chemical and metal processing industry, municipal facilities like swimming pools and maintenance hangars, as well as livestock farming and agricultural vehicle care. And most certainly in your work area.

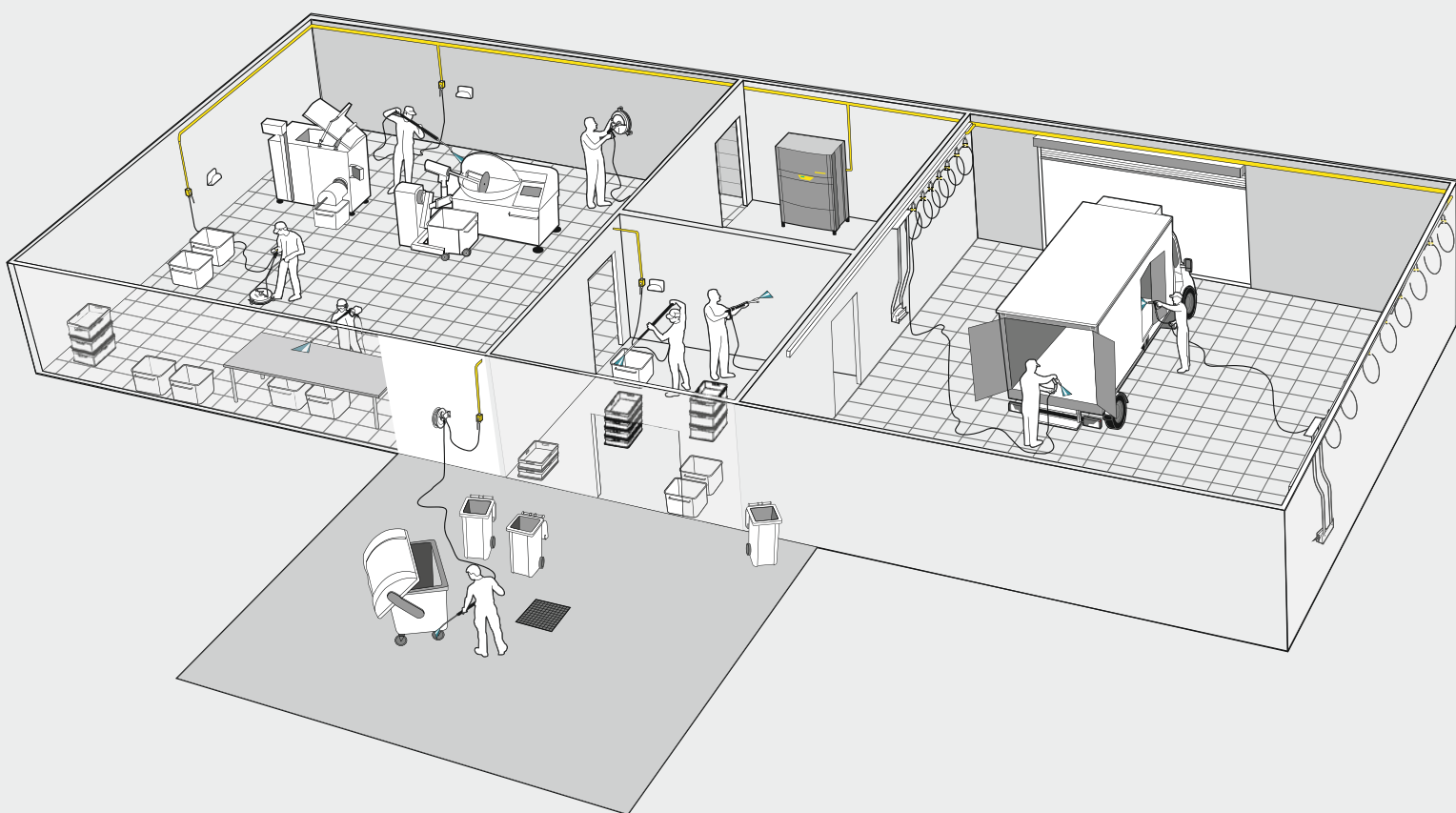


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One solution for an entire company

For many industrial and commercial sectors, as well as the public sector, stationary high-pressure units are essential. In the food processing industry, disinfection ensures compliance with legal requirements. For many other sectors, it is equally efficient and economical. From car workshops and fleet companies to shipping and aviation. In commercial kitchens, drinks and meat processing, wineries and agriculture. From the metalworking, chemical and pharmaceutical industries to paper manufacture. In swimming pools and sanitary facilities of all kinds. Wherever you want to use high-pressure cleaning – our experts for stationary high-pressure units will be happy to give you professional advice in the planning of your stationary system.

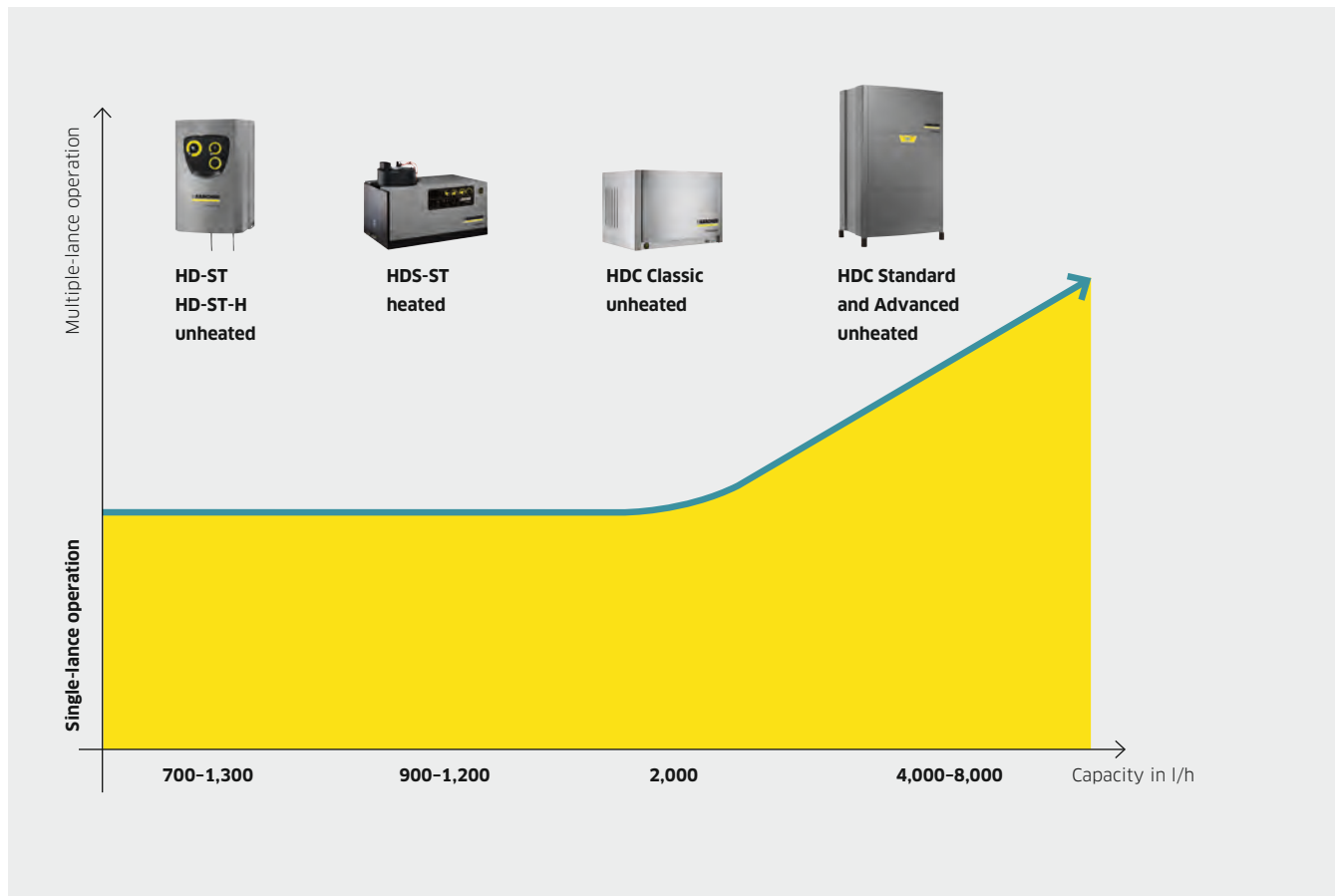
Convenient, safe and always ready to use

High-pressure cleaning systems are an excellent investment. Only one machine to service. Reduced cleaning times without setting up. No need to transport the machine. Space-saving design. With these features, stationary high-pressure units ensure operational safety and work protection by shielding employees from noise and exhaust gases. Prevention of erroneous operation by unauthorised persons. Kärcher offers a comprehensive range of accessories for wash bays to suit individual requirements and virtually unlimited applications. And, last but not least, expert installation and technical monitoring ensure comprehensive system safety.



	Order No.	Supply voltage (phases)	Flow rate (l/h)	Working pressure (bar/MPa)	3-piston axial pump	Crankshaft pump	Ceramic piston	Stainless steel pistons	four-pole engine (low-speed machine)	Advance pressure pump	Exhaust gas thermostat	Low fuel sensor	Pressure relief	SDS hose / Pressure tank	Dry-running protection	Flame monitoring	Calcification protection	Stainless steel heating coil	Servo Control	Servo Control ready	Remote control ready	Spray gun	High-pressure hose	Spray lance	Triple nozzle	Page
Stationary hot water high-pressure cleaners, single-lance operation																										
HDS 12/14-4 ST	1.699-921.0	3	600-1,200	30-140 / 3-14	■	■	■	■	-	■	■	■	■	■	■	■	■	-	-	■	■	-	-	-	-	169
HDS 12/14-4 ST Gas	1.251-901.0	3	600-1,200	30-140 / 3-14	■	■	■	■	-	■	■	■	■	■	■	■	■	■	-	-	■	■	-	-	-	169
HDS 12/14-4 ST Gas LPG	1.251-902.0	3	600-1,200	30-140 / 3-14	■	■	■	■	-	■	■	■	■	■	■	■	■	■	-	-	■	■	-	-	-	169
HDS 9/14-4 ST	1.698-917.0	3	500-930	30-140 / 3-14	■	■	■	■	-	■	■	■	■	■	■	■	■	■	-	-	■	■	-	-	-	169
HDS 9/16-4 ST Gas	1.251-900.0	3	500-960	30-160 / 3-16	■	■	■	■	-	■	■	■	■	■	■	■	■	■	-	-	■	■	-	-	-	169
Stationary cold water high-pressure cleaners, 60/85°C, multiple-lance operation																										
HDC 120/10	1.509-502.2	3	700-12,000	100 / 10	-	■	-	■	■	□	-	-	-	■	■	-	-	-	□	■	■	□	□	□	-	170
HDC 90/10	1.509-502.2	3	700-9,000	100 / 10	-	■	-	■	■	□	-	-	-	■	■	-	-	-	□	■	■	□	□	□	-	170
HDC 60/10	1.509-502.2	3	700-6,000	100 / 10	-	■	-	■	■	□	-	-	-	■	■	-	-	-	□	■	■	□	□	□	-	170
HDC 80/16	1.509-500.2	3	700-8,000	160 / 16	-	■	-	■	■	□	-	-	-	■	■	-	-	-	□	■	■	□	□	□	-	170
HDC 80/08	1.509-500.2	3	700-8,000	80 / 8	-	■	-	■	■	□	-	-	-	■	■	-	-	-	□	■	■	□	□	□	-	170
HDC 60/16	1.509-500.2	3	700-6,000	160 / 16	-	■	-	■	■	□	-	-	-	■	■	-	-	-	□	■	■	□	□	□	-	170
HDC 60/08	1.509-500.2	3	700-6,000	80 / 8	-	■	-	■	■	□	-	-	-	■	■	-	-	-	□	■	■	□	□	□	-	170
HDC 40/16	1.509-500.2	3	700-4,000	160 / 16	-	■	-	■	■	□	-	-	-	■	■	-	-	-	□	■	■	□	□	□	-	170
HDC 40/08	1.509-500.2	3	700-4,000	80 / 8	-	■	-	■	■	□	-	-	-	■	■	-	-	-	□	■	■	□	□	□	-	170
HDC 20/16	1.509-501.2	3	700-2,000	160 / 16	-	■	-	■	■	□	-	-	-	■	■	-	-	-	□	■	■	□	□	□	-	171
HDC 20/08	1.509-501.2	3	700-2,000	80 / 8	-	■	-	■	■	□	-	-	-	■	■	-	-	-	□	■	■	□	□	□	-	171
Stationary cold water high-pressure cleaners, single-lance operation																										
HD 13/12-4 ST	1.524-950.2	3	650-1,300	30-120 / 3-12	■	■	■	■	□	-	-	□	□	□	-	□	-	□	■	■	■	■	■	■	■	174
HD 9/18-4 ST	1.524-950.2	3	460-900	40-180 / 4-18	■	■	■	■	□	-	-	□	■	□	-	□	-	□	■	■	■	■	■	■	■	174
HD 7/16-4 ST	1.524-950.2	3	300-700	30-160 / 3-16	■	■	■	■	□	-	-	□	■	□	-	□	-	□	■	■	■	■	■	■	■	174

■ Included in delivery. □ Configurable.



Single-lance operation

Stationary high-pressure units for single-lance operation offer the option to set up several points of use or only one point of use for cold or hot water. These systems are therefore particularly suitable for small and medium-sized companies, e.g. in the automotive, food or agricultural sector.

Multiple-lance operation

For increased cleaning requirements, Kärcher offers solutions that enable different areas to be cleaned simultaneously. From a central supply unit, a constant flow of high-pressure water is conveyed via a pipeline system to fixed points of use and is available in unlimited supply as and when required. Universal, versatile, efficient, safe and economical.

STATIONARY HDS – SINGLE-LANCE OPERATION

High cleaning performance and outstanding efficiency



The oil-heated stationary cleaning systems offer a very high heating output. Furthermore, these machines offer a high level of safety thanks to features such as automatic pressure relief, exhaust temperature monitoring, innovative dry-run protection and SDS hose for absorbing pressure peaks. The gas-heated stationary high-pressure cleaning systems offer the benefit of efficient and eco-friendly combustion.



1 Water-cooled four-pole electric motor

- Long service life.
- Improved effectiveness.
- Guaranteed quiet operation.



2 Innovative burner engineering

- High heating output.
- Spiral heating coil for a compact construction style.
- Upright construction style prevents condensation and corrosion.



3 High efficiency

- Efficient and economical cleaning thanks to the use of hot water.
- Short set-up times reduce working hours.



4 Flexible operating concept

- Central control panel on the machine.
- Remote controls can be used directly at the point of use.

TECHNICAL DATA AND EQUIPMENT

HDS 12/14-4 ST		HDS 12/14-4 ST Gas	HDS 12/14-4 ST Gas LPG
<ul style="list-style-type: none"> ■ Integrated system pressure relief ■ Soft Damping System (SDS) ■ Dry-running protection 		<ul style="list-style-type: none"> ■ Dry-running protection ■ Surface burner technology ■ Water-cooled stainless steel boiler with built-in stainless steel heater coil 	<ul style="list-style-type: none"> ■ Dry-running protection ■ Surface burner technology ■ Water-cooled stainless steel boiler with built-in stainless steel heater coil
Technical data			
Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50
Connection load	kW	7.5	7.5
Flow rate	l/h	600-1200	600-1200
Working pressure	bar / MPa	30-140 / 3-14	30-140 / 3-14
Max. temperature	°C	155 / 80	98
Weight	kg	160	170
Dimensions (L × W × H)	mm	1110 × 565 × 700	1110 × 565 × 1080
Heating oil or gas consumption, full load	kg/h	7.3	8.9
Equipment			
Soft Damping System (SDS)	■	■	■
System pressure relief	■	■	■
Flame monitoring	■	■	■
Prepared for Servo Control	■	■	■
Order No.	1.699-921.0	1.251-901.0	1.251-902.0
Price			

■ Included in delivery.

HDS 9/14-4 ST		HDS 9/16-4 ST Gas
<ul style="list-style-type: none"> ■ Integrated system pressure relief ■ Soft Damping System (SDS) ■ Dry-running protection 		<ul style="list-style-type: none"> ■ Dry-running protection ■ Surface burner technology ■ Water-cooled stainless steel boiler with built-in stainless steel heater coil
Technical data		
Supply voltage	Ph / V / Hz	3 / 400 / 50
Connection load	kW	6.4
Flow rate	l/h	500-930
Working pressure	bar / MPa	30-140 / 3-14
Max. temperature	°C	155 / 80
Weight	kg	140
Dimensions (L × W × H)	mm	1110 × 565 × 690
Heating oil or gas consumption, full load	kg/h	5.8
Equipment		
Soft Damping System (SDS)	■	■
System pressure relief	■	■
Flame monitoring	■	■
Prepared for Servo Control	■	■
Order No.	1.698-917.0	1.251-900.0
Price		

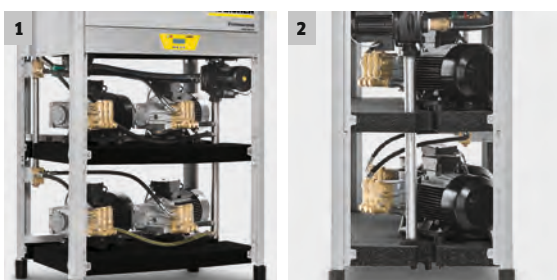
■ Included in delivery.

HDC ADVANCED / STANDARD – MULTIPLE-LANCE OPERATION

Highly flexible for all applications



The HDC Standard is highly versatile. Diverse configuration options are available to suit individual requirements.



1 Modular design

- The HDC systems can be fitted with up to four pump aggregates upon request. This ensures the utmost flexibility for every purpose of use.

2 Intelligent pump control

- Regardless of the required water volume, the control switches other pumps on and off again as required.

HDC Advanced			HDC Standard
Technical data			
Flow rate	l/h	700-12000	700-8000
Max. pressure	bar / MPa	100 / 10	80 / 160 / 8 / 16
Number of pumps	piece(s)	2 / 4	2 / 4
Number of current phases	Ph	3	3
Voltage	V	400 / others upon request	400 / others upon request
Frequency	Hz	50	50
Connection load	kW	11 / 44	11 / 44
Max. inlet temperature	°C	85	85
Weight	kg	310 / 610	310 / 610
Dimensions (L × W × H)	mm	1150 × 750 × 1840	1150 × 750 × 1840
Configurable equipment			
Frame:			
Powder-coated steel	<input type="checkbox"/>		<input type="checkbox"/>
Stainless steel	<input type="checkbox"/>		<input type="checkbox"/>
Machine cover:			
Powder-coated steel	<input type="checkbox"/>		<input type="checkbox"/>
Stainless steel	<input type="checkbox"/>		<input type="checkbox"/>
Order No.		1.509-502.2	1.509-500.2
Price			

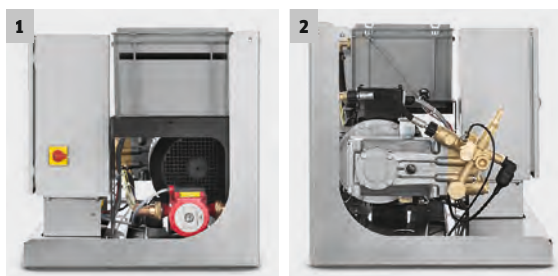
☐ Compatible accessories.

HDC CLASSIC – MULTIPLE-LANCE OPERATION

For up to three operators



Whether it be the food industry, a manufacturing enterprise or a local authority, the HDC Classic provides smaller businesses with a simple, on-demand system for up to three operators.



1 Water network separation through preflow container

- Any intake of air is avoided as the water is allowed to settle in the preflow container. This protects the pump.

2 Automatic start function

- The pump starts as soon as the trigger gun is activated, allowing convenient working from any supply point.

HDC Classic

Technical data		
Flow rate	l/h	700–2000
Max. pressure	bar / MPa	80 / 160 / 8 / 16
Number of pumps	piece(s)	1
Number of current phases	Ph	3
Voltage	V	400 / others upon request
Frequency	Hz	50
Connection load	kW	5.5 / 11
Max. inlet temperature	°C	85
Weight	kg	135 / 150
Dimensions (L × W × H)	mm	860 × 595 × 580

Configurable equipment

Frame:

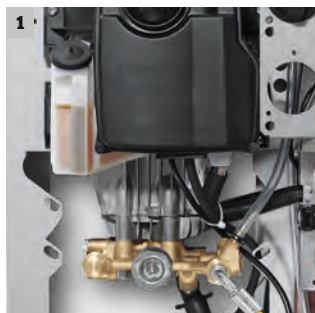
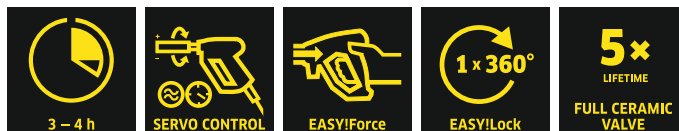
Powder-coated steel	<input type="checkbox"/>
Stainless steel	<input type="checkbox"/>
Machine cover:	
Powder-coated steel	<input type="checkbox"/>
Stainless steel	<input type="checkbox"/>
Order No.	1.509-501.2
Price	

☐ Compatible accessories.

STATIONARY HD – SINGLE-LANCE OPERATION

The tailor-made cleaning solution

Compact stationary high-pressure cleaners that can be configured to suit individual customer requirements. This stationary model series offers the benefits of short set-up times, space-saving storage and individual configuration of cleaning stations.



1 Individual configuration

- For low investment costs: simply choose a basic unit and select the required equipment features.
- Over 50 accessory parts for optimum equipment at the point of use.

2 Excellent cleaning power with hot water supply

- Up to 70°C water inlet temperature even in the entry-level model.
- HWE 860 can also be used to supply the high-pressure cleaner with hot water.

3 Most equipment features and accessory parts can easily be retrofitted at any time

- Various equipment features can be retrofitted at any time.
- Easy installation.
- Simple Plug 'n' Play system.

4 Built to last and retain value

- Four-pole low-speed electric motor.
- Hard-wearing ceramic pistons.
- Large pressure tank protects all pressure-loaded components.

INDIVIDUAL CONFIGURATION

**H-version with
water inlet temperature
up to 85°C**

Frame and casing:
powder-coated or stainless steel

Attachment kits:

Liquid softener dosing unit
Dry-running protection
Automatic pressure relief
Elapsed time counter

Basic versions:

HD 13/12-4 ST
HD 9/18-4 ST
HD 7/16-4 ST



Cleaning agents and remote control:

Remote control ready for dispensing 1 cleaning agent at low pressure
Remote control ready for dispensing 1 cleaning agent at high pressure
Remote control ready for dispensing 2 cleaning agents at low pressure
Remote control ready for dispensing 2 cleaning agents at high pressure



Liquid softener dosing unit

Protects the pump from calcification in hot water operation.



Automatic pressure relief

Relieves all high-pressure components and reduces wear and tear.



Dry-running protection

Switches off the high-pressure pump in the event of water shortage to safeguard against damage.



Elapsed time counter

Displays the number of hours the machine has been in operation.

TECHNICAL DATA AND EQUIPMENT

There are three basic versions to choose from: HD 13/12-4 ST, HD 9/18-4 ST and HD 7/16-4 ST. The HWE 860 hot water generator can also be used upstream with all H versions.



		HD 13/12-4 ST	HD 9/18-4 ST	HD 7/16-4 ST	HWE 860
		<ul style="list-style-type: none"> ■ Compact model ■ Includes complete spray unit ■ Single-lance operation 	<ul style="list-style-type: none"> ■ Compact model ■ Includes complete spray unit ■ Single-lance operation 	<ul style="list-style-type: none"> ■ Compact model ■ Includes complete spray unit ■ Single-lance operation 	<ul style="list-style-type: none"> ■ 55 l stainless steel tank ■ Electrically heated water heater (80°C) ■ With safety thermostat and water shortage protection
Technical data					
Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Flow rate	l/h	650-1300	460-900	300-700	min. 1000
Working pressure	bar/MPa	30-120 / 3-12	40-180 / 4-18	30-160 / 3-16	-
Max. pressure	bar/MPa	150 / 15	210 / 21	190 / 19	-
Max. inlet temperature	°C	70	70	70	80
Connection load	kW	6.4	6.4	4.4	24
Weight	kg	72	62.5	53	42
Dimensions (L × W × H)	mm	533 × 790 × 420	533 × 790 × 420	533 × 790 × 420	440 × 508 × 751
Equipment - Standard					
Spray gun		EASY!Force Advanced	EASY!Force Advanced	EASY!Force Advanced	-
High-pressure hose	m	10	10	10	-
Spray lance	mm	1050	1050	1050	-
Triple nozzle		■	■	■	-
Servo Control ready		■	■	■	-
Order No.		1.524-950.2	1.524-950.2	1.524-950.2	3.070-030.0
Price					

■ Included in delivery.

ATTACHMENT KITS

After selecting the basic version, it can be adapted with various attachment kits and accessories to meet specific customer requirements. Various configuration options are shown in the following table:



	HD 13/12-4 ST	HD 9/18-4 ST	HD 7/16-4 ST
Configuration - optional			
Water inlet temperature 85°C: for stubborn or greasy dirt. Includes advance pressure pump and adjustment of the high-pressure pump	85	85	85
Liquid softener dosing unit: protects high-pressure pump from calcification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stainless steel chassis: corrosion-resistant and easy to clean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dry-running protection: protects the high-pressure pump in the event of water shortage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pressure relief: relieves all high-pressure system components	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Elapsed time counter: displays the number of hours the machine has been in operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remote control ready for dispensing 1 cleaning agent. Application with low-pressure jet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remote control ready for dispensing 1 cleaning agent. Application with high-pressure jet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remote control ready for dispensing 2 cleaning agents. Application with low-pressure jet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remote control ready for dispensing 2 cleaning agents. Application with high-pressure jet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Optional accessories.

ACCESSORIES FOR STATIONARY HIGH-PRESSURE CLEANERS



Wherever high demands are regularly placed on cleaning performance, stationary systems demonstrate their strengths. And in many different areas of use.

		Order No. until 2015	Order No. EASY!Lock	Price	Version	Order No. from 2015	Order No. EASY!Lock	Price
Unit list/set-up								
Wall bracket	1	2.053-005.0	-		-	-		
Floor structure	2	2.210-058.0	-		Version VA.	2.210-059.0		
Floor structure	3	2.210-008.0	-		-	-		
Floor structure HDC	4	2.641-736.0	-		Floor structure, 4 × floor screw connections, incl. fastening material.	-		
HDC floor screw connections	5	2.638-320.0	-		1 set of floor screw connections.	-		
Feet, adjustable	6	2.638-177.0	-		-	-		
Water hose, 1.5 m, ID 13	7	6.389-145.0	-		-	-		
Water hose, 1.5 m, ID 19, R 1"	8	4.440-733.0	-		-	-		
Water hose, 1.5 m, ID 13, R 3/4"	9	4.440-282.0	-		-	-		
Water inlet solenoid valve	10	4.743-011.0	-		-	-		
Water inlet solenoid valve	11	2.209-788.0	-		-	-		
High-pressure hose, 1.5 m, ID 8, incl. connection parts	12	6.390-178.0	-		-	-		
Cleaning agent container, 60 l, empty	13	5.070-078.0	-		-	-		
Emergency off switch	14	2.744-002.0	-		-	-		
High-pressure hose, 1.5 m, ID 8, incl. connection parts, curved outflow	15	6.388-886.0	-		-	-		
Water filter attachment kit (heat-resistant up to 85°C)	16	2.209-806.0	-		-	-		
Filter inlay 250 µm for 2.209-806.0	17	6.414-977.0	-		-	-		
Main switch	18	6.631-455.0	-		-	-		
Attachment kits								
Liquid softener dosing unit	19	2.209-777.0	-		-	-		
Pressure relief	20	2.209-773.0	-		-	-		
Elapsed time counter	21	2.209-778.0	-		-	-		
Remote control ready LP, 1 cleaning agent	22	2.209-779.0	-		-	-		
Remote control ready LP, 1 + 2 cleaning agents	23	2.209-780.0	-		-	-		
Remote control ready HP, 1 cleaning agent	24	2.209-799.0	-		-	-		
Remote control ready HP, 1 + 2 cleaning agents	25	2.209-800.0	-		-	-		
Remote control ready HP, 1 cleaning agent	26	2.637-779.0	-		-	-		
Remote control ready HP, 2 cleaning agents	27	2.637-717.0	-		-	-		
Hot water generation								
Time switch attachment kit	28	2.637-774.0	-		For hot water generator HWE 860.	-		
Hot/cold switching attachment kit (suction water)	29	2.209-805.0	-		For hot water generator HWE 860.	-		
Water inlet								
Free-flow valve	30	6.412-021.0	-		ID 20, R 3/4", internal thread.	-		
Double male coupling, brass	31	6.387-239.0	-		ID 20, R 3/4", external thread.	-		
Bushing, zinc-coated	32	7.387-151.0	-		ID 25, R 1", internal thread (if shut-off device).	-		
Screw-in piece	33	6.386-010.0	-		ID 20, R 3/4"-R 1", external thread.	-		
Free-flow valve	34	6.412-022.0	-		ID 25, R 1", internal thread.	-		
Nut, zinc-coated	35	6.385-245.0	-		ID 25, R 1", internal thread (if shut-off device).	-		
Double male coupling, brass	36	6.386-011.0	-		ID 25, R 1" - R 1 1/4", external thread.	-		
Free-flow valve	37	6.412-023.0	-		ID 32, R 1 1/4", internal thread.	-		
Bushing, zinc-coated	38	6.385-246.0	-		ID 32, R 1 1/4", internal thread (if shut-off device).	-		

□ Optional accessories. More Kärcher original accessories can be found on the following pages.

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		Order No. until 2015	Order No. EASY!Lock	Price	Version	Order No. from 2015	Order No. EASY!Lock	Price
Double male coupling, brass	39	6.387-375.0	-		ID 32, R 1 1/4", external thread.	-	-	
Free-flow valve	40	6.412-024.0	-		ID 40, R 1 1/2", internal thread.	-	-	
Reduction bushing, zinc-coated	41	6.385-247.0	-		ID 40, R 1 1/2"-R 1 1/4", internal thread (if shut-off device).	-	-	
Double male coupling, brass	42	5.409-598.0	-		ID 40, R 1 1/2", external thread.	-	-	
Free-flow valve	43	6.412-031.0	-		ID 50, R 2", internal thread.	-	-	
Bushing, zinc-coated	44	6.385-248.0	-		ID 50, R 2", internal thread (if shut-off device).	-	-	
Double male coupling, brass	45	5.409-617.0	-		ID 50, R 2", external thread.	-	-	
High-pressure line								
Connection thread, steel, zinc-coated	46	2.638-180.0	-		Version VA.	2.638-181.0	-	
Shut-off valve, steel, zinc-coated	47	4.580-144.0	-		Version VA.	4.580-163.0	-	
Pipeline set, steel, zinc-coated, 3 m	48	2.420-004.0	-		Version VA.	2.420-006.0	-	
T-screw connections, steel, zinc-coated	49	6.386-269.0	-		Version VA.	6.386-465.0	-	
Elbow union, steel, zinc-coated	50	6.386-356.0	-		Version VA.	6.386-466.0	-	
Pipe insulation, per running metre	51	6.286-147.0	-		-	-	-	
Transition piece, steel, zinc-coated	52	2.638-182.0	-		Version VA.	2.638-183.0	-	
Quick coupling, fixed part	53	6.463-025.0	-		Loose part.	6.463-023.0	-	
Union nut, steel, zinc-coated	54	6.386-423.0	-		Version VA.	6.386-428.0	-	
Cutting ring	55	6.386-357.0	-		-	-	-	
HP ball tap, nickel-plated	56	6.412-066.0	-		ID 13, R 1/2", PN 315, internal thread.	-	-	
HP ball tap, stainless steel	57	6.412-491.0	-		ID 15, R 1/2", PN 140, internal thread.	-	-	
HP ball tap, stainless steel	58	6.413-500.0	-		ID 13, R 1/2", PN 400, internal thread.	-	-	
Double connector, brass	59	5.402-001.0	-		R 1/2" × M 22 × 1.5 mm.	-	-	
HP ball tap, nickel-plated	60	6.412-067.0	-		ID 20, R 3/4", PN 315, internal thread.	-	-	
HP ball tap, stainless steel	61	6.413-503.0	-		ID 20, R 3/4", PN 350, internal thread.	-	-	
Bushing, zinc-coated	62	6.979-093.0	-		ID 20, R 3/4", PN 200, internal thread.	-	-	
Double male coupling	63	5.403-055.0	-		ID 20, R 3/4"-M 30 × 1.5 mm, external thread.	-	-	
HP ball tap, nickel-plated	64	6.412-068.0	-		ID 25, R 1", PN 315, internal thread.	-	-	
HP ball tap, stainless steel	65	6.412-493.0	-		ID 25, R 1", PN 140, internal thread.	-	-	
HP ball tap, stainless steel	66	6.413-502.0	-		ID 25, R 1", PN 350, internal thread.	-	-	
Bushing, zinc-coated	67	6.979-094.0	-		ID 25, R 1", PN 160, internal thread.	-	-	
Double male coupling	68	5.403-057.0	-		ID 25, R 1"-M 30 × 1.5 mm, external thread.	-	-	
HP ball tap, nickel-plated	69	6.413-505.0	-		ID 32, R 1 1/4", PN 400, internal thread.	-	-	
HP ball tap, stainless steel	70	6.413-501.0	-		ID 32, R 1 1/4", PN 400, internal thread.	-	-	
Bushing, zinc-coated	71	6.979-095.0	-		ID 32, R 1 1/4", PN 160, internal thread.	-	-	
Double male coupling	72	5.403-176.0	-		ID 32, R 1 1/4"-M 38 × 1.5 mm, external thread.	-	-	

□ Optional accessories. More Kärcher original accessories can be found on the following pages.

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		Order No. until 2015	Order No. EASY!Lock	Price	Version	Order No. from 2015	Order No. EASY!Lock	Price
Point of use								
EASY!Force HD trigger gun	73	-	4.118-005.0		-	-	-	
Easy Press HD trigger gun with soft grip	74	4.775-463.0	-		-	-	-	
Easy Press trigger gun, black	75	4.775-466.0	-		For Servo Press operation.	-	-	
Easy Press trigger gun, grey	76	4.775-784.0	-		For Servo Press operation, food industry.	-	-	
Industrial trigger gun	77	4.775-823.0	4.118-011.0		Without Servo Press operation.	-	-	
Industrial trigger gun, grey	78	4.775-825.0	-		Without Servo Press operation, food industry.	-	-	
Servo Control controller	79	4.775-470.0	4.118-008.0		-	-	-	
Servo Control controller	80	4.775-471.0	4.118-009.0		-	-	-	
Rotatable spray lance, 600 mm	81	4.760-664.0	4.112-007.0		-	-	-	
Rotatable spray lance, 1050 mm	82	4.760-660.0	4.112-000.0		-	-	-	
Spray lance, stationary, grey, 600 mm	83	4.760-625.0	-		Food industry.	-	-	
Spray lance, stationary, grey, 1050 mm	84	4.760-626.0	-		Food industry.	-	-	
Spray lance, stationary, grey, 1550 mm	85	4.760-627.0	-		Food industry.	-	-	
Spray lance, stationary, grey, 2050 mm	86	4.760-628.0	-		Food industry.	-	-	
Variable pressure spray lance, 960 mm	87	6.394-665.0	-		For cleaning agent application.	-	-	
Power nozzle, 25° spray angle	88	2.883-402.0	2.113-026.0		25060	-	-	
Power nozzle, 25° spray angle	89	2.883-408.0	2.113-017.0		25100	-	-	
Power nozzle, 25° spray angle	90	2.883-401.0	2.113-025.0		25055	-	-	
Power nozzle, 25° spray angle	91	2.883-829.0	2.113-008.0		25043	-	-	
Power nozzle, 25° spray angle	92	2.883-406.0	2.113-015.0		25080	-	-	
Triple nozzle 043	93	4.767-152.0	4.117-035.0		-	-	-	
Triple nozzle 055	94	4.767-066.0	4.117-039.0		-	-	-	
Triple nozzle 100	95	4.767-205.0	4.117-041.0		-	-	-	
High-pressure hose, 10 m, ID 8, AVS trigger gun connection	96	6.390-025.0	6.110-031.0		20 m.	6.390-171.0	6.110-032.0	
High-pressure hose Longlife 400, 10 m, ID 8, AVS trigger gun connection	97	6.391-351.0	6.110-038.0		20 m.	6.390-208.0	6.110-027.0	
High-pressure hose Longlife 400, 10 m, ID 8, incl. rotary coupling	98	6.388-083.0	6.110-038.0		20 m without rotary coupling.	6.390-027.0	6.110-027.0	
High-pressure hose, 10 m, ID 8, food design, extension piece	99	6.391-864.0	6.110-053.0		20 m.	6.391-887.0	6.110-054.0	
Hose and spray lance holder VA	100	2.042-003.0	-		-	-	-	
Emergency off switching element	101	6.635-434.0	-		For installation in remote control.	2.744-015.0 / -011.0	-	
Emergency off switch	102	6.651-485.0	-		For installation in remote control.	2.744-015.0 / -011.0	-	
Quick coupling	103	6.401-458.0	6.115-000.0		-	-	-	
Male coupling	104	6.401-459.0	6.115-001.0		-	-	-	
Nozzle screws	105	5.401-210.0	5.394-123.0		-	-	-	
Hose connector	106	4.403-002.0	4.111-037.0		-	-	-	
Central cleaning agent supply	107	3.910-005.0	-		-	-	-	
Complete dual dosing unit, stainless steel	108	2.641-702.0	-		-	-	-	
Wall bracket for storage	109	2.641-703.0	-		-	-	-	
Mobile cleaning agent unit	110	2.641-704.0	-		-	-	-	

■ Included in delivery. □ Optional accessories. More Kärcher original accessories can be found on the following pages.



73



77



79-80



88-92



93-95



96

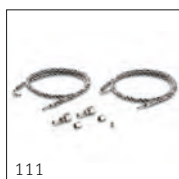


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			HDC 80/16 Standard	HDC 80/08 Standard	HDC 40/16 Standard	HDC 40/08 Standard	HDC 20/08 Classic	HDC 20/16 Classic	HDC 60/08 Standard	HDC 60/16 Standard	HDC 60/10 Adv	HDC 90/10 Adv	HDC 120/10 Adv	HD 7/16-4 ST/H	HD 9/18-4 ST/H	HD 13/12-4 ST/H	HDS 9/14-4 ST	HDS 12/14-4 ST	HDS 9/16-4 ST Gas	HDS 9/16-4 ST Gas LPG	HDS 12/14-4 ST Gas	HDS 12/14-4 ST Gas LPG
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		Order No. until 2015	Order No. EASY!Lock	Price	Version	Order No. from 2015	Order No. EASY!Lock	Price
Central cleaning agent supply								
Complete dual dosing unit, stainless steel	111	2.440-001.0	-		-	-	-	
Wall bracket for storage	112	4.730-033.0	-		-	-	-	
Mobile cleaning agent unit	113	4.421-208.0	-		-	-	-	
Fuel oil tank, 700 l	114	6.392-071.0	-		-	-	-	
Heating oil suction pipeline	115	4.421-068.0	-		-	-	-	
Flexible gas hose	116	6.388-228.0	-		-	-	-	
Gas stopcock	117	6.412-389.0	-		-	-	-	
Gas pressure meter	118	6.421-059.0	-		-	-	-	
Control cable								
Control cable, 3 × 1.5 mm ²	119	6.641-059.0	-		-	-	-	
Control cable, 7 × 1.5 mm ²	120	6.641-064.0	-		-	-	-	
Control cable, 10 × 1.5 mm ²	121	6.641-082.0	-		-	-	-	
Control cable, 12 × 1.0 mm ²	122	6.647-222.0	-		-	-	-	
Installation tube	123	2.420-008.0	-		-	-	-	
Clamp	124	6.373-377.0	-		-	-	-	

☐ Available accessories. More Kärcher original accessories can be found on the following pages.



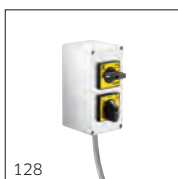
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Whether equipment or car pool, interior space or outside area: Kärcher high-pressure cleaners are indispensable for effective care, maintenance and hygiene.

		Order No. until 2015	Order No. EASY!Lock	Price	Version	Order No. from 2015	Order No. EASY!Lock	Price
Remote control								
Junction box for remote control	125	2.209-807.0	-		-	-	-	
Junction box remote control	126	2.209-798.0	-		-	-	-	
Remote control	127	2.637-491.0	-		-	-	-	
Single remote control, on/off, hot/cold, cleaning agent 1+2	128	2.744-008.0	-		-	-	-	
Multiple remote control, on/off, hot/cold, cleaning agent 1+2	129	2.744-011.0	-		In combination with 2.744-036.0.	-	-	
Single remote control, on/off, cleaning agent 1+2	130	2.744-014.0	-		In combination with 2.209-798.0.	-	-	
Multiple remote control, on/off, cleaning agent 1+2	131	2.744-015.0	-		In combination with 2.744-036.0 and 2.209-798.0.	-	-	
Priority switch	132	2.638-200.0	-		-	-	-	
Multiple coin remote control	133	2.642-422.0	-		-	-	-	
Multiple operation control electronics	134	2.744-036.0	-		-	-	-	
Coin acceptor 50 cent	135	2.639-912.0	-		-	-	-	
Coin acceptor €1	136	2.639-913.0	-		-	-	-	
Coin acceptor €2	137	2.639-914.0	-		-	-	-	
Coin acceptor for coins	138	6.768-063.0	-		-	-	-	
Coin set, imprint	139	6.768-169.0	-		-	-	-	
Coin set	140	6.768-172.0	-		-	-	-	
High-pressure cleaner hose guide								
C-rail, per running metre	141	6.233-017.0	-		-	-	-	
Rail connector	142	6.541-011.0	-		-	-	-	
Limit stop	143	6.541-025.0	-		-	-	-	
Cable trolley	144	6.541-026.0	-		-	-	-	
End terminal	145	6.541-028.0	-		-	-	-	
Handle	146	6.541-029.0	-		-	-	-	
Wall bracket	147	6.541-039.0	-		-	-	-	
Rail holder, wall	148	6.541-012.0	-		Ceiling.	6.541-027.0	-	
Spring draw	149	6.542-001.0	-		-	-	-	
Spray lance cart, mobile	150	4.042-610.0	-		-	-	-	
Swivelling boom column	151	2.637-121.0	-		Wall.	2.637-120.0	-	
Swivelling boom, ceiling	152	4.058-106.0	-		-	-	-	
Hose reel, automatic, 20 m, coated	153	2.639-919.0	6.392-106.0		-	-	-	
Hose reel, automatic, 20 m, stainless steel	154	6.391-421.0	6.392-076.0		-	-	-	
Swivel holder	155	2.639-931.0	-		In combination with 6.392-106.0.	-	-	

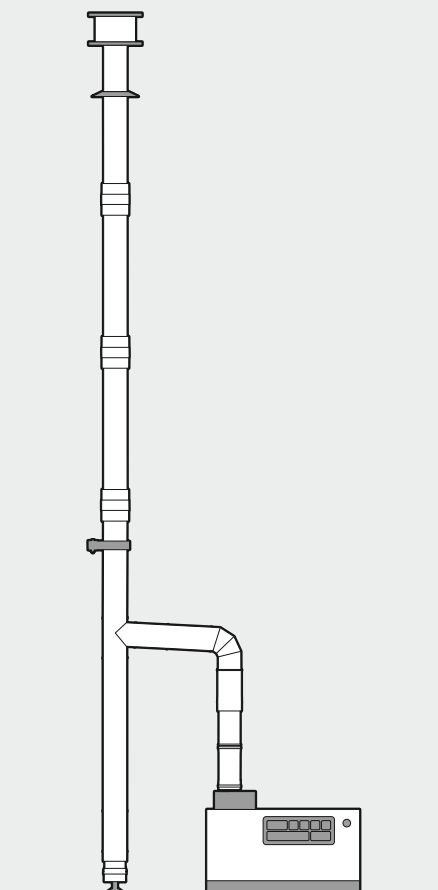
□ Available accessories. More Kärcher original accessories can be found on the following pages.



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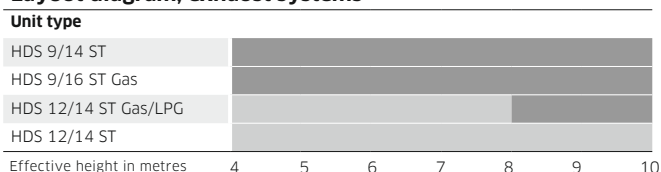
EXHAUST SYSTEMS FOR STATIONARY HIGH-PRESSURE CLEANERS

The new exhaust system for stationary hot water high-pressure cleaners combines operational safety, efficiency and aesthetics. The double-wall exhaust pipes can be used for both inside and outside areas. In addition, the exhaust system is quick and easy to install, compact and complies with the quality monitoring requirements of ISO 9001 and CE standards.



- Operational safety: through high-quality processing and use of corrosion-resistant stainless steel (V4A) and acid and temperature-resistant seals.
- Efficiency: maximum durability and impressive functionality with low use of materials thanks to the 7.5 mm-thick air-gap insulation.
- Aesthetics: the stainless steel outer cover (V2A) has an attractive finish.

Layout diagram, exhaust systems



Exhaust systems:

■ Ø 150 mm ■ Ø 200 mm

Exhaust system 150

Exhaust system 200

■ Safe to operate, efficient and aesthetic

■ Safe to operate, efficient and aesthetic

Technical data		
Type	Double-wall exhaust pipe	
Operation (pressure)	Under/overpressure	
Max. emission temperature	°C	250
Inner diameter	mm	150
Outer diameter	mm	165
Inner pipe:		
Material	1.4404 / 1.4571 V4A	
Material thickness	mm	0.4
Outer pipe:		
Material	1.4301 V2A	
Material thickness	mm	0.4
Heat insulation	Air-gap insulation 7.5 mm	

☐ Optional accessories.

EVEN MORE POWER FOR DEMANDING TASKS: ULTRA HIGH-PRESSURE CLEANERS FROM KÄRCHER

We have combined the expertise of Kärcher and WOMA to give you the perfect ultra high-pressure cleaners for the toughest applications in industry and construction. The result is the new UHP class (Ultra High-Pressure), which ranges from Compact ultra high-pressure cleaners from 350 bar working pressure to the Super class with an outstanding 2,800 bar working pressure. The highly efficient industrial pumps which are used for this originate from our WOMA Competence Center.



Table of contents: Ultra high-pressure cleaners

UHP Super class	Page	190
UHP Middle class	Page	191
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UHP Super class

The class of superlatives: with up to 125 kW power, working pressures of up to 2,800 bar and water flow rates of up to 72 litres per minute.

UHP Middle class

The extremely powerful machines cover the power spectrum between 30 kW and 75 kW and therefore achieve a water pressure of up to 1,000 bar.

UHP Compact class

The entry-level machines in the UHP classes. The robust and flexible Cage machines generate up to 30 kW power and maximum working pressures of 500 bar.



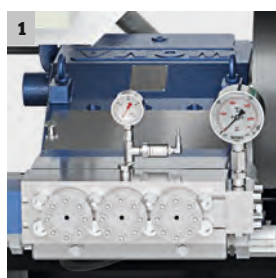
How to read the unit names:

Unit type	Flow rate	Working pressure	Motor	Equipment	Equipment
Example: HD	18	/ 50	-4	Cage	Classic
HD = Cold water high-pressure cleaners	× 100 in l/h	in MPa	-4 = 4-pole	Cage = Tubular frame	Classic = Basic version
HDW = WOMA cold water high-pressure cleaners			Ge = Gasoline Engine	Skid = Stationary frame	Adv = Advanced version
			De = Diesel Engine		

UHP SUPER CLASS

The new special class: more powerful than ever

With up to 2,800 bar water pressure and high capacities, UHP Super-class machines are the most powerful we have to offer for industrial applications. They remove even the most stubborn deposits, are easy to operate and therefore ideal for use in the oil, gas and construction industries.



1 Reliable and durable

- Low-speed industrial pump.
- Monitored pump operation.

2 Robust and transportable

- Sturdy frame for protecting components.
- Lifting brackets for easy transport.

HDW 12/280 De Skid Classic

HDW 43/75 De Skid Classic

- 2800 bar at 20 l/min
- Very easy manual operation
- Removes the toughest dirt, deposits and coatings

- 750 bar at 72 l/min
- Special accessories required
- Removes the toughest dirt, deposits and coatings

Technical data

Engine manufacturer		Volvo	Volvo
Motor type		TAD 552 VE - Level 3A	TAD 552 VE - Level 3A
Motor rating	kW	125	125
Flow rate	l/h	1200	4320
Working pressure	bar / MPa	2800 / 280	750 / 75
Max. pressure	bar / MPa	2800 / 280	750 / 75
Max. inlet temperature	°C	60	60
Weight, empty	kg	2320	2290
Dimensions (L x W x H)	mm	2880 x 1510 x 1820	2880 x 1510 x 1820

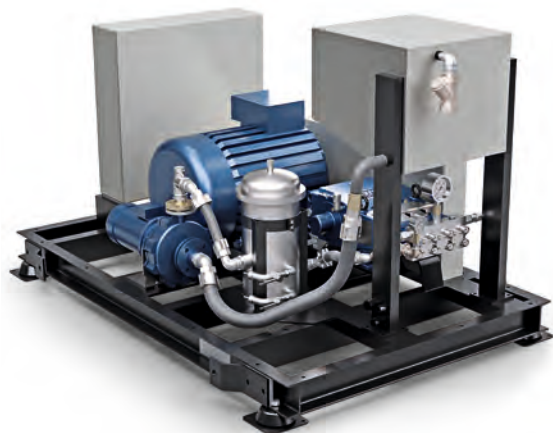
Equipment

Spray gun		UHP trigger gun (Dump Gun)	-
Pressure hose	m	20	-
Spray lance	mm	750	-
Nozzle		Sapphire round spray nozzle	-
Water advance pressure pump		■	■
Integrated water filter		■	■
Automatic pressure relief		■	-
Dry run protection		■	■
Order No.		9.917-499.0	9.917-501.0
Price			

■ Included in delivery.

UHP MIDDLE CLASS

The workhorse that never tires



Our compact and robust UHP Middle class delivers 20 litres of water per minute at 1,000 bar pressure. Powerful cleaning action effortlessly removes dirt and deposits. This class is ideal for use in the construction industry, e.g. for formwork cleaning. It is also suitable for general industrial applications, e.g. the maritime industry.



1 Reliable and durable

- Low-speed industrial pump.
- Monitored pump operation.

2 Reliable water supply

- With water tank, filter and advance pressure pump.
- Optimal supply conditions.

HDW 12/100-4 Skid Classic

- 1000 bar at 20 l/min
- Very easy manual operation
- Removes the toughest dirt, deposits and coatings

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50
Connection load	kW	37
Flow rate	l/h	1200
Working pressure	bar / MPa	1000 / 100
Max. pressure	bar / MPa	1000 / 100
Max. inlet temperature	°C	60
Weight	kg	1200
Dimensions (L × W × H)	mm	2000 × 1250 × 1200

Equipment

Spray gun		UHP trigger gun (Dump Gun)
Pressure hose	m	20
Spray lance	mm	750
Nozzle		Flat and round spray nozzle
Water advance pressure pump		■
Integrated water filter		■
Automatic pressure relief		■
Dry run protection		■
Order No.		9.917-497.0
Price		

- Included in delivery.

UHP COMPACT CLASS



The strongest in the Compact class

The most powerful model in the UHP Compact class delivers up to 500 bar water pressure and 1,800-litre water flow. Excellent cleaning results – even in the most stubborn cases. High power and a compact design offer maximum flexibility for a wide range of applications.



1 Pressure relief valve

- The pressure relief valve reduces the pressure in the hose so that it becomes flexible when the trigger gun is closed.
- Prevents sudden recoil as the pressure builds gradually when the trigger gun is pulled.

2 Outstanding mobility

- Large wheels and optimal centre of gravity ensure high machine mobility – despite its size.
- A practical crane hook allows easy transport, even on difficult terrain.

HD 18/50-4 Cage Adv

HD 18/50-4 Cage Classic

- Automatic pressure relief
- Booster pump (optional)
- Water shortage protection as standard

- Booster pump (optional)
- Water shortage protection as standard

Technical data

Supply voltage	Ph / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50
Connection load	kW	37	37
Flow rate	l/h	1800	1800
Working pressure	bar / MPa	500 / 50	500 / 50
Max. pressure	bar / MPa	620 / 62	620 / 62
Max. inlet temperature	°C	60	60
Weight	kg	310	310
Dimensions (L × W × H)	mm	1320 × 780 × 1090	1320 × 780 × 1090

Equipment

Spray gun		Industrial trigger gun	Industrial trigger gun
Pressure hose	m	20 / Heavy-duty	20 / Heavy-duty
Spray lance	mm	700	700
Nozzle		Power nozzle	Power nozzle
Integrated water filter		■	■
Automatic pressure relief		■	-
Dry run protection		■	■
Order No.		1.367-162.0	1.367-160.0
Price			

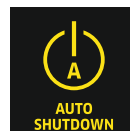
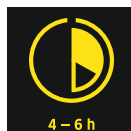
■ Included in delivery.

UHP COMPACT CLASS



Enter into the world of ultra high-pressure cleaners

With 350 to 500 bar working pressure, these are entry-level UHP Compact-class machines. The machines have a tough cage design, are relentless against dirt, safe to load by crane and very easy to transport with the clever sack truck principle.



1 High-performance crankshaft pump

- Reliable and durable Kärcher high-performance crankshaft pump ensures optimal pressure.

2 Safe storage

- Accessories and tools are stored in a protected compartment. This means that everything is always in its place.

HD 9/50-4 Cage

HD 13/35-4 Cage

- Robust industrial gun
- Dry run protection (optional)

- Robust industrial gun
- Dry run protection (optional)

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50
Connection load	kW	15	15
Flow rate	l/h	500-900	500-1300
Working pressure	bar / MPa	150-500 / 15-50	100-350 / 10-35
Max. pressure	bar / MPa	640 / 64	450 / 45
Max. inlet temperature	°C	60	60
Weight	kg	190	330
Dimensions (L × W × H)	mm	930 × 800 × 920	930 × 800 × 920

Equipment

Spray gun		Industrial trigger gun	Industrial trigger gun
Pressure hose	m	10 / Heavy-duty	10 / Heavy-duty
Spray lance	mm	700	700
Nozzle		Power nozzle	Power nozzle
Integrated water filter	■	■	■
Automatic pressure relief	-	-	-
Dry run protection	-	-	-
Order No.		1.367-156.0	1.367-154.0
Price			

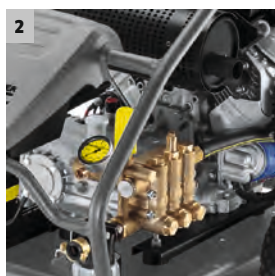
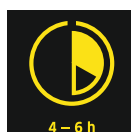
■ Included in delivery.

UHP COMPACT CLASS



Maximum flexibility for tough applications

The economical and reliable combustion engine offers maximum independence. The machine easily copes with the most difficult cleaning tasks thanks to 350 or 500 bar water pressure.



1 Industrial spray gun

- Robust and durable: the new Kärcher industrial trigger gun was designed specially for heavy-duty use.

2 Speed regulation

- The speed is automatically reduced in standby mode. This protects the engine and saves energy.

HD 9/50 Ge Cage

HD 13/35 Ge Cage

- Robust industrial gun
- Dry run protection (optional)
- Speed regulation

- Robust industrial gun
- Dry run protection (optional)
- Speed regulation

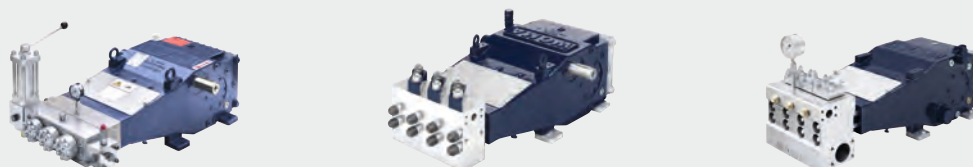
Technical data					
Engine manufacturer		Honda			Honda
Motor type		GX 660 / Petrol			GX 660 / Petrol
Motor rating	kW	16			16
Flow rate	l/h	500-900			500-1300
Working pressure	bar / MPa	150-500 / 15-50			100-350 / 10-35
Max. pressure	bar / MPa	640 / 64			450 / 45
Max. inlet temperature	°C	60			60
Weight	kg	135			135
Dimensions (L × W × H)	mm	930 × 800 × 920			930 × 800 × 920
Equipment					
Spray gun		Industrial trigger gun			Industrial trigger gun
Pressure hose	m	10 / Heavy-duty			10 / Heavy-duty
Spray lance	mm	700			700
Nozzle		Power nozzle			Power nozzle
Integrated water filter		■			■
Automatic pressure relief		-			-
Dry run protection		-			-
Order No.		1.367-506.0			1.367-505.0
Price					

■ Included in delivery.

WOMA – INDIVIDUAL CONFIGURATIONS IN 4 STEPS

Thanks to consistent investment in research and development, a pioneering spirit and dedication to innovation, WOMA has been the technological leader and a driver of innovation in high-pressure water jet technology for decades. WOMA develops systems that can achieve water pressures of up to 4,000 bar and flow rates of around 1,800 litres per minute. As part of the Kärcher Group, the world market leader for cleaning technology, WOMA also plays an important role internationally.

1



2

CLASSIC

ADVANCED

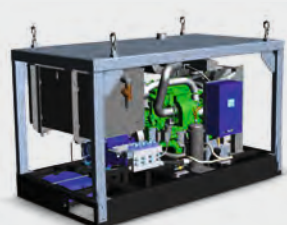
EXPERT



3

HIGH-PRESSURE
CLEANERS

4



1 Pump

Low-speed and low-wear ultra high-pressure pumps from WOMA are characterised by operating pressures of up to 4,000 bar, long lifetimes and long maintenance intervals.

2 System control

WOMA offers the right system based on the application requirements and customer specifications, from the Classic control for Dump Gun operation, to the easy-to-understand Expert control. The Expert control impresses, for example, with operating state monitoring, pressure-speed regulation for high operational safety and efficient use of resources.

3 Drive

The ultra high-pressure pumps can be driven by either robust diesel or zero-emission electric motors with energy efficiency class rating IE3. Depending on the applicable legislation, diesel engines with legal emissions levels are used.

4 Assembly options

Full flexibility for assembly: the ultra high-pressure unit can be assembled either on a basic frame or on a mobile trailer with a hood. It is also easy to install in an ISO container.

Further information is available at www.woma.de.

EXTENSIVE ACCESSORIES FOR OPTIMAL RESULTS IN A WIDE RANGE OF APPLICATIONS

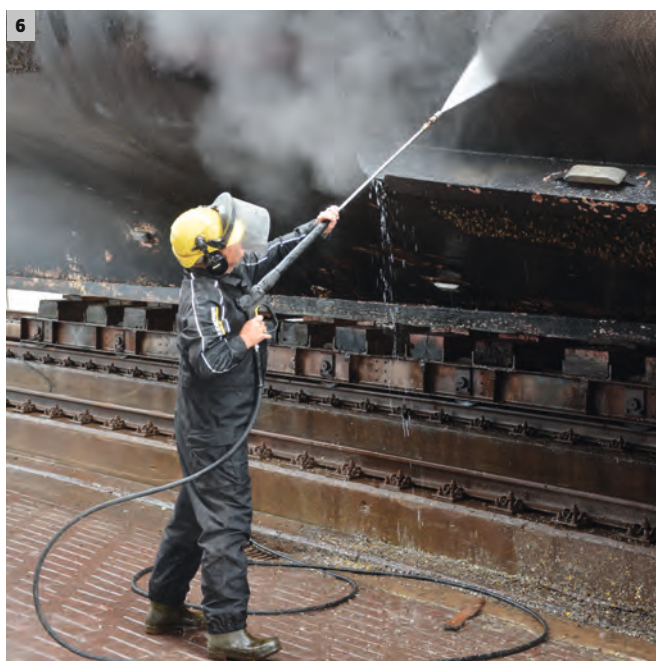
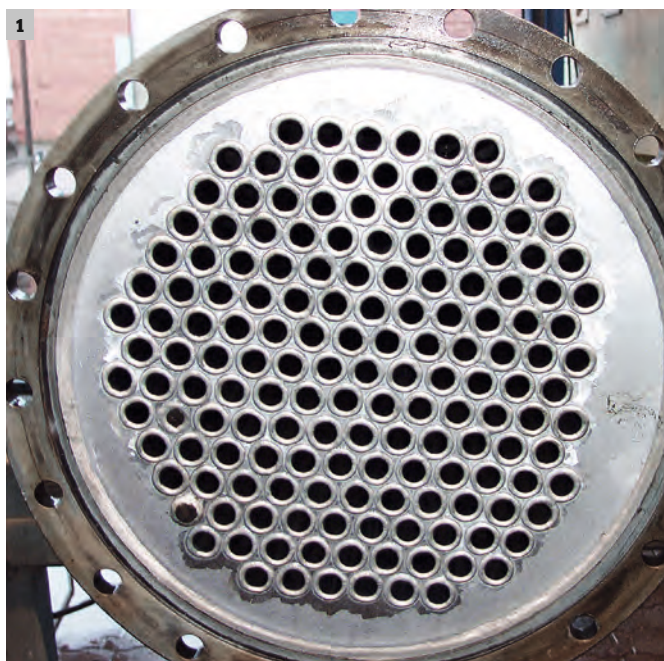
Our UHP ultra high-pressure cleaners impress with outstanding power. So that you can fully utilise this power for the widest variety of applications, for example for formwork cleaning or concrete restoration, we offer you a variety of perfectly adapted accessories. And if you require additional special solutions, our WOMA Competence Centre guarantees the right solution for you.



Table of contents: Ultra-high-pressure cleaner accessories

UHP accessories

Page 198



Variety of applications thanks to special accessories

- | | |
|----------------------------------|-------------------------------|
| 1 Heat exchanger cleaning | 4 Concrete restoration |
| 2 Paint stripping | 5 Surface cleaning |
| 3 Formwork cleaning | 6 Surface treatment |

Further information is available on request.

UHP ACCESSORIES



Spray lances, exchange nozzles, hoses and application-specific water tools: the extensive range of system accessories for ultra high-pressure machines underlines the wide variety of applications and performance of these machines.

		Order No.	ID	Length	Price	Description
Attachment kits						
Booster pump	1	2.637-017.0				Booster pump attachment kit for reliable high-pressure pump water supply. The advance pressure pump is installed in the machine.
HD 18/50 attachment kit	2	2.641-922.0				For electric motors.
ABS protection against dry run	3	2.641-923.0				For petrol engines.
	4	2.851-028.0				ABS steering rollers.
High-pressure hoses						
Pressure hose	5	6.391-856.0	DN 8	3 m		Durable, abrasion-resistant and flexible multi-layer steel-reinforced hose with connection size M 22 × 1.5. Suitable for up to 640 bar working pressure.
	6	6.391-848.0	DN 8	10 m		
	7	6.391-857.0	DN 8	20 m		
	8	6.391-020.0	DN 8	30 m		
	9	9.915-136.0	DN 8	5 m		Durable, abrasion-resistant and flexible multi-layer steel-reinforced hose with connection size 9/16" UNF. Suitable for up to 3000 bar working pressure.
	10	9.915-137.0	DN 8	10 m		
	11	9.915-138.0	DN 8	20 m		
	12	6.391-846.0	DN 10	10 m		Durable, abrasion-resistant and flexible multi-layer steel-reinforced hose with connection size M 22 × 1.5. Suitable for up to 620 bar working pressure.
	13	6.391-847.0	DN 10	20 m		
	14	6.391-019.0	DN 10	30 m		
	15	9.887-887.0	DN 12	10 m		Durable, abrasion-resistant and flexible multi-layer steel-reinforced hose with connection size M 24 × 1.5. Suitable for up to 1100 bar working pressure.
	16	9.887-888.0	DN 12	20 m		
Grease for stainless steel threaded joints	17	6.280-180.0				Grease for stainless steel screw connections.
Hose connector	18	9.883-668.0				For connecting and extending high-pressure hoses with connection 9/16" UNF.
	19	9.877-911.0				For connecting and extending high-pressure hoses with connection M 24 × 1.5.
Pressure screw	20	9.883-669.0				Pressure screw, connection size 1 1/8" UNF.
Pressure ring	21	9.883-670.0				Pressure ring, connection size 9/16" UNF.
Trigger gun and spray lances						
Kärcher industry gun	22	4.775-824.0				650 bar - industrial spray gun with optimised flow. Robustness and durability for professional use. Food-safe and saltwater-resistant materials. Connector for HP hoses M 22 × 1.5.
UHP trigger gun	23	9.915-412.0				The Dump Gun is suitable for up to 1500 bar working pressure. The water flows into the bypass when the trigger gun is closed. Connection for high-pressure hoses M 24 × 1.5.
	24	9.871-351.0				The Dump Gun is suitable for up to 3000 bar working pressure. The water flows into the bypass when the trigger gun is closed. Connection for high-pressure hoses 9/16" UNF.
Shoulder support	25	6.025-301.0				Sturdy shoulder support that must be used from a recoil force of more than 150 N.
Hose connection	26	9.871-969.0				Hose connection with connection size M 24 × 1.5 for attachment to the UHP trigger gun.
	27	9.872-023.0				Hose connection with connection size 9/16" UNF for attachment to the UHP trigger gun.
Bypass hose	28	9.887-970.0				Bypass hose for efficient draining of bypass water from the Dump Gun.

■ NEW ■ Included in delivery. □ Available accessories. △ Accessories upon request. More Kärcher original accessories can be found on the following pages.

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		Order No.	ID	Length	Price	Description
Spray lances						
Spray lance	29	4.760-679.0		700 mm		Spray lance with connection size M 22 × 1.5 and nozzle intake. Suitable for up to 640 bar working pressure.
	30	4.760-653.0		1050 mm		
	31	4.760-675.0		1500 mm		
	32	4.760-677.0		2050 mm		
	33	9.891-183.0		750 mm		Spray lance with connection size 9/16" UNF. Suitable for up to 1500 bar working pressure.
	34	9.891-184.0		1000 mm		
	35	9.891-207.0		1500 mm		
	36	9.891-227.0		750 mm		Spray lance with connection size 9/16" UNF. Suitable for up to 3000 bar working pressure.
	37	9.891-228.0		1000 mm		
	38	9.891-229.0		1500 mm		
Spray lance handle	39	6.025-300.0				Spray lance handle.
Spray lance handle, 90°	40	9.871-675.0				Side handle for spray lance. 90° angle to spray lance axis. Flexible and individually adjustable.
Abrasive blaster						
Required adapter for abrasive blasters	41	5.401-325.0				M 20 × 1 IG to 9/16" UNF AG.
Abrasive blaster	42	6.025-253.0				Abrasive spray head for wet sand blasting. Nozzle size: 3 × 0.6 mm. Only includes spray head. Without hose and lance.
	43	9.872-435.0				Abrasive spray head for wet sand blasting. Nozzle size: 3 × 0.7 mm. Only includes spray head. Without hose and lance.
	44	9.917-716.0				Abrasive spray head for wet sand blasting. Nozzle size: 3 × 0.8 mm. Only includes spray head. Without hose and lance.
Replacement nozzle for abrasive blaster	45	6.025-346.0				Replacement nozzle for boron carbide abrasive spray head. Colour blue.
F98 nozzle for abrasive blaster	46	6.025-434.0				Three-nozzle kit for abrasive spray head for wet sand blasting. Nozzle size 0.6 mm.
	47	6.025-256.0				Nozzle for abrasive spray head for wet sand blasting. Nozzle size 0.6 mm.
	48	9.886-551.0				Three-nozzle kit for abrasive spray head for wet sand blasting. Nozzle size 0.7 mm.
	49	6.025-255.0				Nozzle for abrasive spray head for wet sand blasting. Nozzle size 0.7 mm.
	50	9.886-552.0				Three-nozzle kit for abrasive spray head for wet sand blasting. Nozzle size 0.8 mm.
	51	9.886-538.0				Nozzle for abrasive spray head for wet sand blasting. Nozzle size 0.8 mm.
Suction lance	52	6.025-258.0				For the suction of spray agents.
Abrasive material hose	53	6.025-308.0				Abrasive hose.
Mounting tool for nozzle set	54	6.025-257.0				For F98 nozzles.
Abrasive	55	6.025-309.0				25 kg, 0.5-1.00 mm, garnet sand.
	56	6.025-310.0				25 kg, 0.7-1.40 mm, garnet sand.

■ NEW ■ Included in delivery. □ Available accessories. △ Accessories upon request. More Kärcher original accessories can be found on the following pages.



HIGH-PRESSURE CLEANERS

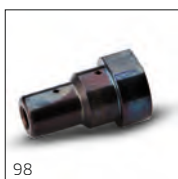
		Order No.	ID	Length	Price	Description
Coupling						
Connector	57	4.403-002.0				For connecting and extending HP hoses. Brass with rubber protection.
Single-jet rotary nozzle						
F7 power rotary jet	58	6.415-914.0				350 bar, 1.35 mm, 1,300 l/h, M 20 × 1, stainless steel.
Rotary jet	59	4.767-173.0				350 bar, 1.35 mm, 1,300 l/h, M 20 × 1, brass.
F8 power rotary jet	60	6.415-915.0				500 bar, 1.05 mm, 900 l/h, M 20 × 1, stainless steel.
F9 power rotary jet	61	6.415-060.0				500 bar, 1.5 mm, 1,800 l/h, M 20 × 1, stainless steel.
Power rotary Jet	62	9.886-666.0				Single-jet rotary nozzle, 1.00 mm for up to 1,500 bar working pressure.
	63	9.886-663.0				Single-jet rotary nozzle, 0.85 mm for up to 2,500 bar working pressure.
F7 power rotary jet repair kit	64	6.025-436.0				Repair kit for Power Rotary Jet, order no. 6.415-914.0. Suitable for 350 bar pressure and 1,300 l/h water flow. Includes rotor, seat and O-ring (28 × 2).
F8 power rotary jet repair kit	65	6.025-437.0				Repair kit for Power Rotary Jet, order no. 6.415-915.0. Suitable for 500 bar pressure and 900 l/h water flow. Includes rotor, seat and O-ring (28 × 2).
F9 power rotary jet repair kit	66	6.025-526.0				Repair kit for Power Rotary Jet, order no. 6.415-060.0. Suitable for 500 bar pressure and 1,800 l/h water flow. Includes rotor, seat and O-ring (28 × 2).
Tool for changing rotor seat	67	6.025-233.0				For single-jet rotary nozzles.
Multi-jet rotary nozzle						
Turbo nozzle	68	9.917-639.0				Multi-jet rotary nozzle for up to 1,000 bar working pressure. Complete with nozzle holder head and nozzle kit.
	69	9.917-638.0				Multi-jet rotary nozzle for up to 2,800 bar working pressure. Complete with nozzle holder head and nozzle kit.
Power nozzles						
Flat jet nozzle	70	5.765-165.0				15°, 350 bar, 1,300 l/h (petrol, 60 Hz).
	71	5.765-166.0				15°, 350 bar, 1,300 l/h (electr.).
	72	5.765-163.0				15°, 500 bar, 900 l/h (petrol, 60 Hz).
	73	5.765-164.0				15°, 500 bar, 900 l/h (electr./HDS trailer).
	74	5.765-263.0				15°, 500 bar, 1,800 l/h.
Detail nozzle	75	5.765-161.0				350 bar, 1,300 l/h (petrol, 60 Hz).
	76	5.765-162.0				350 bar, 1,300 l/h (electr.).
	77	5.765-159.0				500 bar, 900 l/h (electr.).
	78	5.765-160.0				500 bar, 900 l/h (petrol, 60 Hz).
	79	5.765-264.0				500 bar, 1,800 l/h.
F4 / F19 socket-type nozzles						
F4/F19 nozzle holder	80	9.872-008.0				Nozzle holder for nozzle F4/F19. Suitable for up to 1,500 bar working pressure.
F4 nozzle holder	81	9.872-183.0				Nozzle holder for nozzle F4. Suitable for up to 1,500 bar working pressure, with conical nozzle inlet for optimised spray pattern.
O-ring	82	6.025-168.0				O-ring for sealing between nozzle holder and nozzle F4/F19. This is absolutely necessary as sealing takes place only with the O-ring.

■ NEW ■ Included in delivery. □ Available accessories. △ Accessories upon request. More Kärcher original accessories can be found on the following pages.

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		Order No.	ID	Length	Price	Description
F4 round spray nozzle	83	9.885-950.0 ■				Plug-in round spray nozzle F4, 0.70 mm for up to 1,500 bar working pressure.
	84	6.025-200.0 ■				Plug-in round spray nozzle F4, 0.80 mm for up to 1,500 bar working pressure.
	85	9.886-902.0 ■				Plug-in round spray nozzle F4, 0.85 mm for up to 1,500 bar working pressure.
	86	6.025-470.0 ■				Plug-in round spray nozzle F4, 0.90 mm for up to 1,500 bar working pressure.
	87	6.025-198.0 ■				Plug-in round spray nozzle F4, 1.00 mm for up to 1,500 bar working pressure.
	88	9.885-951.0 ■				Plug-in round spray nozzle F4, 1.10 mm for up to 1,500 bar working pressure.
	89	6.025-199.0 ■				Plug-in round spray nozzle F4, 1.20 mm for up to 1,500 bar working pressure.
	90	6.025-471.0 ■				Plug-in round spray nozzle F4, 1.25 mm for up to 1,500 bar working pressure.
F19 flat jet nozzle	91	6.025-466.0 ■				Plug-in flat jet nozzle F19, 1.10 mm, 20°, for up to 1,500 bar working pressure.
	92	6.025-206.0 ■				Plug-in flat jet nozzle F19, 1.20 mm, 10°, for up to 1,500 bar working pressure.
	93	6.025-207.0 ■				Plug-in flat jet nozzle F19, 1.20 mm, 20° for up to 1,500 bar working pressure.
	94	6.025-208.0 ■				Plug-in flat jet nozzle F19, 1.20 mm, 30°, for up to 1,500 bar working pressure.
	95	6.025-209.0 ■				Plug-in flat jet nozzle F19, 1.20 mm, 45°, for up to 1,500 bar working pressure.
	96	9.886-164.0 ■				Plug-in flat jet nozzle F19, 1.20 mm, 60°, for up to 1,500 bar working pressure.
	97	6.025-469.0 ■				Plug-in flat jet nozzle F19, 1.30 mm, 30°, for up to 1,500 bar working pressure.
Screw nozzle						
F21 nozzle holder	98	9.878-291.0 ■				Nozzle holder for sapphire nozzle F21. Suitable for up to 3,000 bar working pressure.
F21 round spray nozzle, sapphire	99	9.886-214.0 ■				Screw-type sapphire round spray nozzle F21, 0.80 mm for up to 3,000 bar working pressure.
	100	9.886-215.0 ■				Screw-type sapphire round spray nozzle F21, 0.85 mm for up to 3,000 bar working pressure.
	101	9.886-216.0 ■				Screw-type sapphire round spray nozzle F21, 0.90 mm for up to 3,000 bar working pressure.
	102	9.886-217.0 ■				Screw-type sapphire round spray nozzle F21, 0.95 mm for up to 3,000 bar working pressure.
	103	9.886-218.0 ■				Screw-type sapphire round spray nozzle F21, 1.00 mm for up to 3,000 bar working pressure.
Pipe cleaning						
Foot valve for pipe cleaning	104	6.470-223.0				The foot valve allows safe and convenient use of accessories for effective pipe cleaning.
Pipe cleaning nozzle, standard	105	5.763-093.0				Standard pipe cleaning nozzle for pipe cleaning hoses with G1/4" threaded connection.
	106	5.763-090.0				Nozzle configuration: 3 × backward.
	107	5.763-106.0 ■				Standard pipe cleaning nozzle for pipe cleaning hoses with G1/4" threaded connection.

■ NEW ■ Included in delivery. □ Available accessories. △ Accessories upon request. More Kärcher original accessories can be found on the following pages.



			HDW 12/280 De Skid Classic	HDW 43/75 De Skid Classic	HDW 12/100-4 Skid Classic	HD 18/50-4 Cage Adv /	HD 18/50-4 Cage Classic	HD 9/50-4 Cage	HD 13/35-4 Cage	HD 9/50 Ge Cage	HD 13/35 Ge Cage	HDS 9/50 De Tr1	HDS 13/35 De Tr1
83				△	□								
84				△	□								
85				△	□								
86				△	□								
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104				△		□		□	□	□	□	□	□
105				△				□		□		□	
106				△				□		□			□
107				△		□							

		Order No.	ID	Length	Price	Description
Pipe cleaning nozzle, Quattro	108	5.763-094.0				Quattro pipe cleaning nozzle for pipe cleaning hoses with G1/4" threaded connection.
	109	5.763-091.0				Nozzle configuration: 3 × backward and 1 × forward.
	110	5.763-107.0				Chisel point nozzle with forward jet for removing the most stubborn dirt.
Pipe cleaning nozzle, Rotor	111	5.763-095.0				With G1/4" threaded connection.
	112	5.763-092.0				Rotor pipe cleaning nozzle for pipe cleaning hoses with G1/4" threaded connection.
	113	5.763-108.0				Nozzle configuration: 3 × backward.
Pipe cleaning hose	114	6.392-401.0	DN 8	10		Rotor pipe cleaning nozzle for pipe cleaning hoses with G1/4" threaded connection.
	115	6.392-402.0	DN 8	20		Flexible high-pressure hose (ID 8) for thorough pipe cleaning, 10 m long.
	116	6.392-403.0	DN 8	30		Threaded connection for G1/4" nozzle.
Surface cleaner						
Surface Cleaner FRI 50 Me	117	2.643-577.0				Flexible high-pressure hose (ID 8) for thorough pipe cleaning, 20 m long.
Nozzle package 030 FRI 50 Me	118	6.415-059.0				Threaded connection for G1/4" nozzle.
Nozzle package 015 FRI 50 Me	119	6.415-044.0				Flexible high-pressure hose (ID 8) for thorough pipe cleaning, 30 m long.
Nozzle package 025 FRI 50 Me	120	6.415-045.0				Threaded connection for G1/4" nozzle.

■ NEW □ Available accessories. △ Accessories upon request. More Kärcher original accessories can be found on the following pages.

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EXTRA SAFE. EXTRA ELEGANT.

Working safely has never been so attractive! Our current collection of work equipment sets new standards when it comes to safety and appearance. It not only offers reliable protection against dirt, moisture, noise and injury, but also looks refreshingly stylish. The high-quality materials are low-maintenance, robust and extremely durable, guaranteeing optimal freedom of movement and a high level of comfort for wearing. You are sure to find the right work protection solution for every application. And working safely means working better.



Table of contents: Work protection

Safety goggles range	Page 210
Protective gloves range	Page 211
Wet work protection suits	Page 212
Hearing and head protection	Page 213



1 Safety goggles

The range of Kärcher safety goggles incorporates the expertise of uvex – a leading manufacturer of safety products. Innovative technology and a sporty design make them an important work protection tool, as well as the ideal companion for leisure.

2 Protective gloves

Kärcher protective gloves ensure that your fingers are always optimally protected.

3 Hearing and head protection

Whether earplugs with cord, foldable ear defenders or the complete helmet unit – Kärcher offers the right solution for any task.

4 Protective suits

Kärcher protective suits in the Classic and Advanced versions effectively protect the body from external influences, especially when using high-pressure and ultra high-pressure cleaners.

5 UHP work protection

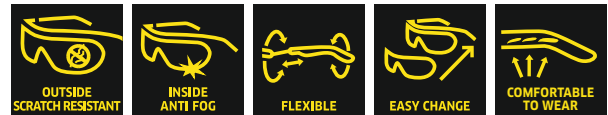
Protective clothing for pressure classes up to 3,000 bar is available in the UHP competence centre of WOMA: woma.de/schutzkleidung

THE KÄRCHER SAFETY GOGGLES RANGE



Kärcher safety goggles – safe and stylish

The goggles are based on the patented “Duo Component Technology” of brand manufacturers uvex. This technology perfectly combines hard and soft components for a perfect fit at contact points on the nose, forehead and ears, as well as maximum comfort even during continuous use. Kärcher’s innovative safety goggles are not just for work.



Free and clear vision

- Coatings optimally formulated for working with water and steam.
- All panes are permanently mist-free on the inside and have an extremely scratch-resistant coating on the outside.

Safe at work









- Maximum protection against all mechanical hazards in accordance with DIN EN 166 thanks to highly impact-resistant polycarbonate.
- Distortion-free vision with 100% UV protection.

Sophisticated frame design

- Patented hingeless quattrofex side pieces made from highly impact-resistant Grilamid. With four soft pads, they ensure a pressureless and comfortable fit in the sensitive ear area.
- The length and tilt angle of the side piece can be individually adjusted.

Innovative frame construction

- Indirect ventilation keeps the eyes comfortable.
- Shock absorber in the forehead area guarantees high impact resistance and a perfect fit.

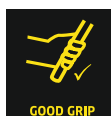
Accessories	Designation	Image	Size	Order No.	Price
Safety goggles					
	Safety goggles, clear	1	One size	6.025-482.0	
	Safety goggles, sun protection	2	One size	6.025-483.0	
	Safety goggles, contrast-enhancing	3	One size	6.025-484.0	
	Replacement pane, clear	4	One size	6.025-485.0	
	Replacement pane, sun protection	5	One size	6.025-486.0	
	Replacement pane, contrast-enhancing	6	One size	6.025-487.0	
	Set of safety goggles	7	One size	6.025-488.0	
	Overgoggles	8	One size	6.025-489.0	

THE KÄRCHER PROTECTIVE GLOVES RANGE



Kärcher protective gloves – a firm grip on safety

Our hands are our most important tools – and are therefore especially worth protecting, ideally with Kärcher's protective gloves. The high-quality gloves with attractive Kärcher design have the optimal ergonomic fit, maximum comfort and maximum freedom of movement. In short: the ideal solution for a firm grip.



Optimal grip and high level of comfort

- Breathable nitrile coating on gloves provides a good moisture barrier and wear resistance.
- Very good sense of touch, as well as good wet grip.

Oeko-Tex® Standard 100

- Use of high-quality cotton for optimal comfort and a pleasant feel.

Perfect all-rounder

- Excellent wear resistance, highly durable, good cut resistance and excellent dry-wet grip.
- A real all-rounder for applications of all kinds.

Comfortable and safe

- Excellent ergonomic fit, high wear acceptance and flexibility, as well as good water vapour absorption.

Accessories	Designation	Image	Size	Order No.	Price
Protective gloves					
	Protective gloves, short cuff	1	8	6.025-490.0	
	Protective gloves, short cuff	1	9	6.025-491.0	
	Protective gloves, short cuff	1	10	6.025-492.0	
	Protective gloves, long cuff	2	9	6.025-493.0	
	Protective gloves, long cuff	2	10	6.025-494.0	

1

2

KÄRCHER WET WORK PROTECTION SUITS



All-round protection

The wear- and tear-resistant wet work protection suits from Kärcher provide a pleasant sense of safety through and through. They feature an impressively good fit and high level of comfort. Thanks to a water-, oil- and dirt-repellent fluorocarbon impregnation and its hydrophilic membrane, the suits guarantee reliable protection at all times, even for the most demanding cleaning tasks and outdoor work. The high-quality workmanship can be seen and felt.



only with Advanced



only with Advanced



Good feeling of security

- Noticeably safer working.
- Maximum freedom of movement.

Perfect fit

- Optimal comfort.
- Excellent workmanship.

Attractive appearance

- Professional work clothing and an attractive appearance do not have to be mutually exclusive.

Highly effective protection

- Water-, oil- and dirt-repellent fluorocarbon impregnation, together with the breathable hydrophilic membrane, offers optimal protection against moisture and dirt.

Accessories

Protective suits



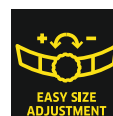
Designation	Image	Size	Order No.	Price
Wet work protection suit, Classic	1	M	6.025-495.0	
Wet work protection suit, Classic		L	6.025-496.0	
Wet work protection suit, Classic		XL	6.025-497.0	
Wet work protection suit, Classic		XXL	6.025-498.0	
Wet work protection suit, Advanced	2	M	6.025-499.0	
Wet work protection suit, Advanced		L	6.025-500.0	
Wet work protection suit, Advanced		XL	6.025-501.0	
Wet work protection suit, Advanced		XXL	6.025-502.0	
Wet work protection jacket, Advanced	3	M	6.025-503.0	
Wet work protection jacket, Advanced		L	6.025-504.0	
Wet work protection jacket, Advanced		XL	6.025-505.0	
Wet work protection jacket, Advanced		XXL	6.025-506.0	
Wet work protection trousers, Advanced	4	M	6.025-507.0	
Wet work protection trousers, Advanced		L	6.025-508.0	
Wet work protection trousers, Advanced		XL	6.025-509.0	
Wet work protection trousers, Advanced		XXL	6.025-510.0	

KÄRCHER HEARING AND HEAD PROTECTION



Head and ears safely shielded

A constantly high level of noise puts the body and mind under stress and can permanently damage sensitive human hearing. Therefore, when working with a noise level above 80dB(A), hearing protection measures are not just highly recommended but are even required by law. Kärcher offers reliable hearing protection solutions to prevent hearing impairment. For pleasant and efficient working without constant acoustic stress.



Always keep a cool head

- Ventilation openings in the helmet can be adjusted for the respective climate and weather conditions.
- Best possible ventilation at every stage of the job.

Maximum comfort with optimal sound-damping




- Ear defenders on the helmet feature very soft foam pads.
- High level of comfort with noise insulation of 31dB(A) (SNR value).

Head protection combination

- Perfect adaptation to the surrounding work conditions thanks to three variable ventilation openings.
- Foldable visor offers very good all-round protection.

Foldable ear defenders

- With high-quality steel frame and two-point suspension for optimal protection and comfort.
- Perfectly suited for long periods of use.
- All control elements are clearly arranged and easy to access.

Accessories	Designation	Image	Size	Order No.	Price
Hearing protection					
  	Earplugs	1	One size	6.025-511.0	
	Safety helmet set, with hearing protection and visor	2	One size	6.025-512.0	
	Ear defenders	3	One size	6.025-513.0	
	Replacement ear defenders for helmet			6.025-514.0	
	Replacement visor for helmet			6.025-515.0	

FULL SUCTION POWER AHEAD

Our range of vacuum cleaners offers you an impressive variety of machines for use in industry, the automotive sector, building cleaning or trade – Kärcher offers the perfect solution for any application. Whether dry or wet and dry vacuum cleaners – all vacuum cleaners impress with their high quality and durability, as well as with innovative filter engineering and exceptional operating comfort.

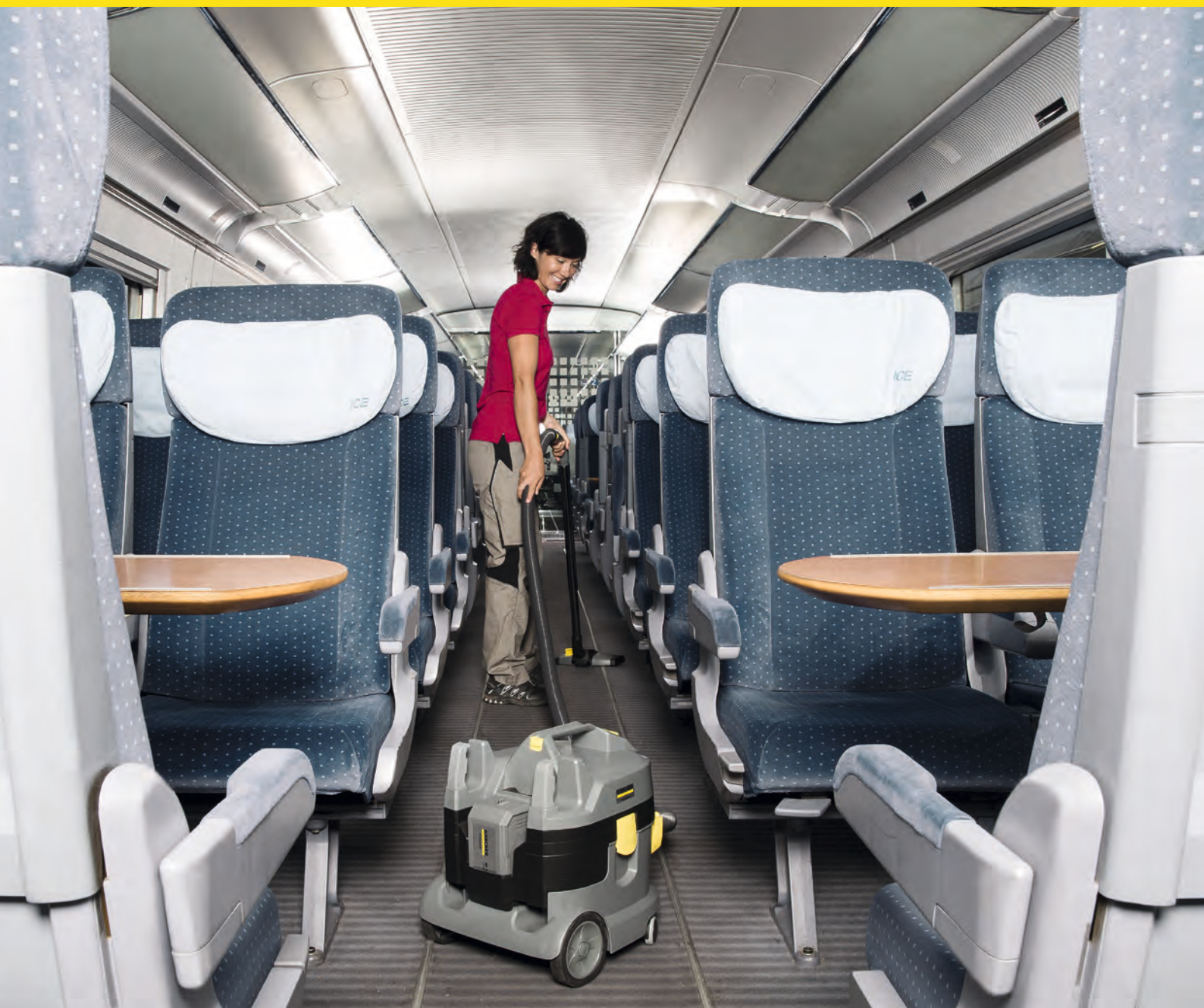


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Industrial vacuums	Page	284
Industrial vacuum accessories	Page	312
Dry vacuum cleaners	Page	346
Dry vacuum cleaner accessories	Page	374



1 Powerful, versatile and mobile

In the trades, car cleaning or building cleaning: strong suction power plus maximum mobility are required everywhere. Kärcher wet and dry vacuum cleaners meet these requirements with ease. With the innovative Tact filter cleaning system, Kärcher wet and dry vacuum cleaners master even the toughest building site applications. Special vacuums – for example for potentially explosive atmospheres or fire-fighting – complete the versatile Kärcher range of wet and dry vacuum cleaners.

2 Professional solutions for production

In industry and manufacturing, the most varied types of stubborn dirt are the order of the day. And the demands on cleaning machines are correspondingly high. Fine dust, coarse dirt, liquids, oils, lubricants, granulates, metal shavings or wood dust – Kärcher industrial vacuums offer the right machine for every cleaning task.

3 Your partner for professional cleanliness

Contract cleaners and facility managers have the highest standards when it comes to power and handling for dry cleaning. Power and discretion are equally important, especially for daytime cleaning during business hours and for spot cleaning in public areas. In addition, machines must be quick and easy to transport. Kärcher knows what counts in these specialised areas. The most convincing proof of this is reflected in the sophisticated design of our professional machines.

4 Industry-specific accessories

The range of Kärcher accessories is as diverse as our vacuum cleaners' areas of application. From individual connecting adapters to special accessory kits – Kärcher offers the perfect machine configuration for every vacuum cleaner for perfect cleaning results.

PROFESSIONAL WET AND DRY VACUUM CLEANERS FOR EVERY CLEANING TASK

As a professional operator, you know that there is much more to a good wet and dry vacuum cleaner than suction power alone. The overall design, with all filters and control elements, ergonomics, stability and optimal accessories, is the deciding factor. For decades, we have been continuously setting new standards with our innovative technologies in this area – and with an excellent price-performance ratio.



Table of contents: Wet and dry vacuum cleaners

Tact ² class	Page 224
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NT Classic with single motor	Page 252
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**NT 50/1 Tact Te L**

With its 50-litre container for interruption-free operation, an adjustable push handle, the drain hose and many other smart details, the NT 50/1 Tact Te is both the largest machine in the new Tact range and the one with the most comprehensive equipment.

NT 40/1 Tact Te L







The new NT 40/1 Tact Te boasts outstanding suction power – even when it comes to large quantities of fine dust. Furthermore, it impresses with its large container capacity and very compact design. For even more convenient handling, it is available with an optional push handle.

NT 30/1 Tact Te L

The NT 30/1 Tact Te is the fine dust expert among the wet and dry vacuum cleaners and is perfect for use wherever tradesmen want outstanding power – whether in the workshop or for tough jobs on construction sites. This makes the robust, durable and powerful machine the tradesman's favourite.

How to read the unit names:

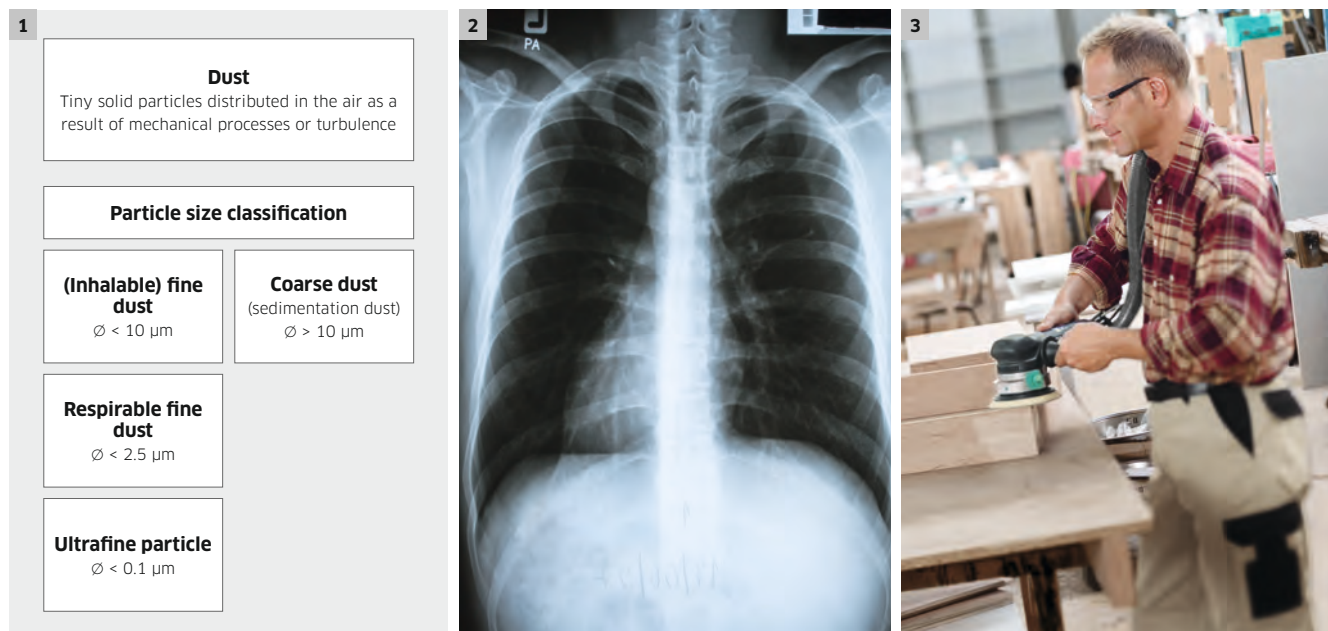
Unit type	Container capacity	Turbines	Filtration technology	Type and equipment
Example: NT	75	2	Tact²	Me Tc
NT = Wet and dry vacuum cleaners	In unit names with a combination of numbers, the first number stands for the container capacity (in litres).	In unit names with a combination of numbers, the second number stands for the number of turbines.	Tact²: dual automatic filter cleaning, machine with flat pleated filter Tact: automatic filter cleaning, machine with flat pleated filter Ap: semi-automatic filter cleaning, machine with flat pleated filter Without suffix: machine with cartridge filter	Without designation = Standard equipment Classic = Machine with simple equipment Adv = Advanced, machine with additional equipment Me = Stainless steel container Tc = Tilting chassis Ec = Brushless turbine Te = Automatic power outlet L = Certified for dust class L dusts that pose a minor risk to health M = Certified for dust class M dusts that pose a medium risk to health H = Certified for dust class H dusts that pose a high risk to health Z22 = Explosion-proof vacuum cleaner for zone 22 Mwf = Fire service vacuum cleaner with PRCD-K circuit breaker Eco K = Water vacuum with integrated wastewater pump Bs = Vacuum cleaner for bakeries

		Order No.	Container capacity (l)	Air flow (l/s)	Vacuum (mbar / kPa)	Protection class	Antistatic preparation or complete antistatic system (incl. electrically conductive suction hose)	Flat pleated filter	Semi-automatic filter cleaning	Tact Automatic Filter Cleaning system	Page
	Tact class										
	NT 75/2 Tact² Me Tc	1.667-289.0	75	2 × 74	254 / 25.4	II	-	■	-	■	225
	NT 75/2 Tact² Me	1.667-288.0	75	2 × 74	254 / 25.4	I	▲	■	-	■	227
	NT 65/2 Tact² Tc	1.667-287.0	65	2 × 74	254 / 25.4	II	-	■	-	■	225
	NT 65/2 Tact²	1.667-286.0	65	2 × 74	254 / 25.4	I	▲	■	-	■	227
	NT 55/2 Tact² Me I	1.667-237.0	55	2 × 74	254 / 25.4	I	●	■	-	■	225
	NT 50/1 Tact Te L	■ 1.148-411.0	50	74	254 / 25.4	I	●	■	-	■	230
	NT 45/1 Tact Te Ec	1.145-826.0	45	63	244 / 24.4	I	▲	■	-	■	231
	NT 40/1 Tact Te L	■ 1.148-311.0	40	74	254 / 25.4	I	●	■	-	■	232
	NT 30/1 Tact Te L	■ 1.148-211.0	30	74	254 / 25.4	I	●	■	-	■	233
	NT 30/1 Tact L	■ 1.148-201.0	30	74	254 / 25.4	II	●	■	-	■	235
	Ap class										
	NT 75/2 Ap Me Tc	1.667-292.0	75	2 × 74	254 / 25.4	II	-	■	■	-	237
	NT 65/2 Ap	1.667-291.0	65	2 × 74	254 / 25.4	II	-	■	■	-	237
	NT 35/1 Ap	1.184-505.0	35	74	254 / 25.4	II	-	■	■	-	239
	NT 25/1 Ap	1.184-503.0	25	74	254 / 25.4	II	-	■	■	-	239
	NT 20/1 Ap Te	1.378-510.0	20	74	254 / 25.4	I	-	■	■	-	241
	NT 20/1 Ap	1.378-500.0	20	74	254 / 25.4	II	-	■	■	-	241
	NT 14/1 Ap Te Adv L	1.510-132.0	14	61	230 / 23	I	▲	■	■	-	243
		NT 14/1 Ap Te Adv	1.510-127.0	14	61	230 / 23	I	▲	■	■	-
NT 14/1 Ap Adv		1.510-126.0	14	61	230 / 23	II	-	■	■	-	243
NT 14/1 Ap		1.510-125.0	14	61	230 / 23	II	-	■	-	-	243
NT 14/1 Classic		1.510-128.0	14	61	230 / 23	II	-	■	-	-	243
Standard class											
NT 70/3 Me Tc		1.667-274.0	70	3 × 56	208 / 20.8	II	-	-	-	-	245
NT 70/2 Me Tc		1.667-272.0	70	2 × 56	208 / 20.8	II	-	-	-	-	245
NT 70/3 Tc		1.667-273.0	70	3 × 56	208 / 20.8	II	-	-	-	-	245
NT 70/2 Tc		1.667-271.0	70	2 × 56	208 / 20.8	II	-	-	-	-	245
NT 70/2 Adv		1.667-278.0	70	2 × 56	208 / 20.8	II	-	-	-	-	247
	NT 70/2 Me	1.667-275.0	70	2 × 56	208 / 20.8	II	-	-	-	-	247
	NT 70/3	1.667-270.0	70	3 × 56	208 / 20.8	II	-	-	-	-	247
	NT 70/2	1.667-269.0	70	2 × 56	208 / 20.8	II	-	-	-	-	247
	NT 70/1	1.667-268.0	70	56	208 / 20.8	II	-	-	-	-	247
	NT 48/1 Te	1.428-625.0	48	67	200 / 20	I	-	-	-	-	249
	NT 48/1	1.428-620.0	48	67	200 / 20	II	-	-	-	-	249
	NT 27/1 Me Adv	1.428-114.0	27	67	200 / 20	II	-	-	-	-	249
	NT 27/1 Me	1.428-100.0	27	67	200 / 20	II	-	-	-	-	249
	NT 27/1 Adv	1.428-520.0	27	67	200 / 20	II	-	-	-	-	249
	NT 27/1	1.428-500.0	27	67	200 / 20	II	-	-	-	-	249
	Classic range										
	NT 90/2 Me Classic	1.667-700.0	90	2 × 53	225 / 22.5	II	-	-	-	-	251
	NT 70/2 Me Classic	1.667-306.0	70	2 × 53	225 / 22.5	II	-	-	-	-	251
	NT 50/2 Me Classic	1.667-030.0	50	2 × 53	225 / 22.5	II	-	-	-	-	251
	NT 50/1 Me Classic	1.667-010.0	50	53	225 / 22.5	II	-	-	-	-	251
	NT 38/1 Me Classic	1.428-538.0	38	59	227 / 22.7	II	-	-	-	-	253
	NT 30/1 Me Classic	1.428-568.0	30	59	227 / 22.7	II	-	-	-	-	253
	NT 20/1 Me Classic	1.428-548.0	20	59	227 / 22.7	II	-	-	-	-	253
	Special vacuums										
	NT 80/1 B1 M S	1.667-267.0	80	56	235 / 23.5	I	▲	-	-	-	255
	NT 75/1 Me Ec H Z22	1.667-239.0	75	61	220 / 22	I	▲	■	-	-	255
	NT 75/1 Tact Me Te H	1.667-294.0	75	74	254 / 25.4	I	▲	■	-	■	256
	NT 45/1 Tact Te H	1.145-838.0	45	74	254 / 25.4	I	▲	■	-	■	256
	NT 35/1 Tact Te H	1.184-858.0	35	74	254 / 25.4	I	▲	■	-	■	256
	NT 55/1 Tact Te M	1.146-823.0	55	74	254 / 25.4	I	▲	■	-	■	257
	NT 45/1 Tact Te M	1.145-837.0	45	74	254 / 25.4	I	▲	■	-	■	257
	NT 35/1 Tact Te M	1.184-857.0	35	74	254 / 25.4	I	▲	■	-	■	257
	NT 611 MwF	1.146-601.0	55	57	235 / 23.5	I	-	-	-	-	258
	NT 611 Eco K	1.146-209.0	55	57	235 / 23.5	I	-	-	-	-	258
	NT 55/1 Tact Bs	1.146-700.0	55	61	230 / 23	I	●	■	-	■	259
NT 35/1 Tact Bs	1.184-700.0	35	61	230 / 23	I	●	■	-	■	259	

■ NEW ■ Included in delivery. ● Antistatic preparation. ▲ Complete antistatic system.

DUST SUCTION PROTECTS HEALTH

Every form of dust can be a health hazard. The common goal of the legislature, trade associations and employers is to avoid the formation of dust before it occurs, i.e. to bind dust directly, quickly and as completely as possible. Brushes, dustpans and high-pressure guns are unsuitable for this purpose. Powerful safety vacuum cleaners that are connected either directly to dust generating tools or used in conjunction with suitable accessories for picking up dust from floors and equipment offer the ideal solution.



1 Not all dust is the same

Dust is classified according to size. Coarse dust has a particle size of more than $10 \mu\text{m}$ (1 micrometre is a thousandth of a millimetre) and generally is reliably retained by nose hair and mucous membranes. In contrast, small to ultrafine dust particles, or fine dust, can penetrate deep into the lungs via the windpipe and bronchial tubes. This respiratory dust poses the greatest health risks.

2 Every form of dust can pose a health hazard







Fine dust is generally dangerous to health, however every type of dust, even coarse dust, can cause respiratory disease after prolonged exposure due to the harmful substances contained in these forms of dust. Mineral mixed dust from sand, lime, gypsum, cement or concrete which occur regularly in the building industry, almost always contains quartz fine dust, which can cause silicosis and lung cancer. The effects of dust on health depend on the type of dust, particle size, duration of exposure and the intensity of dust impact. The inhalation of large amounts of dust over a short period of time is particularly dangerous. And because dust is widely distributed, protection against dust concerns us all.

3 Avoid dust. Before it forms

The best protection against dust is to prevent it from forming in the first place. Kärcher safety vacuum cleaners can easily be connected to all standard power tools with a special adapter. This form of direct suction ensures a virtually dust-free environment. Dust on floors and machines can be removed efficiently and reliably with the standard accessories. And forget brushes, dustpans and compressed-air guns. These only kick the dust up. Only the use of safety vacuum cleaners reliably protects the health of operators and others in the surrounding area.

WET AND DRY VACUUM CLEANERS: POWERFUL AND VERSATILE

The Kärcher range of wet and dry vacuum cleaners is the result of decades of experience with operators throughout the world. Whether for tradesmen, building service contractors or vehicle finishers – this wide selection includes wet and dry vacuum cleaners specially tailored to suit individual applications.

	 NT 65/2 Tact ² to NT 75/2 Tact ²	 NT 30/1 Tact to NT 50/1 Tact	 NT 65/2 Ap to NT 75/2 Ap	 NT 14/1 Ap to NT 35/1 Ap	 NT 70/1 to NT 70/3	 NT 27/1 to NT 48/1
	Tact class		Ap class		Standard class	
Liquids						
Small quantities		□		□		■
Large quantities	□		□		■	
Coarse dirt						
Small quantities		□		■		□
Large quantities	□		■		□	
Fine dust						
Small quantities			■	■		
Large quantities		■				
Very large quantities	■					

□ suitable ■ recommended

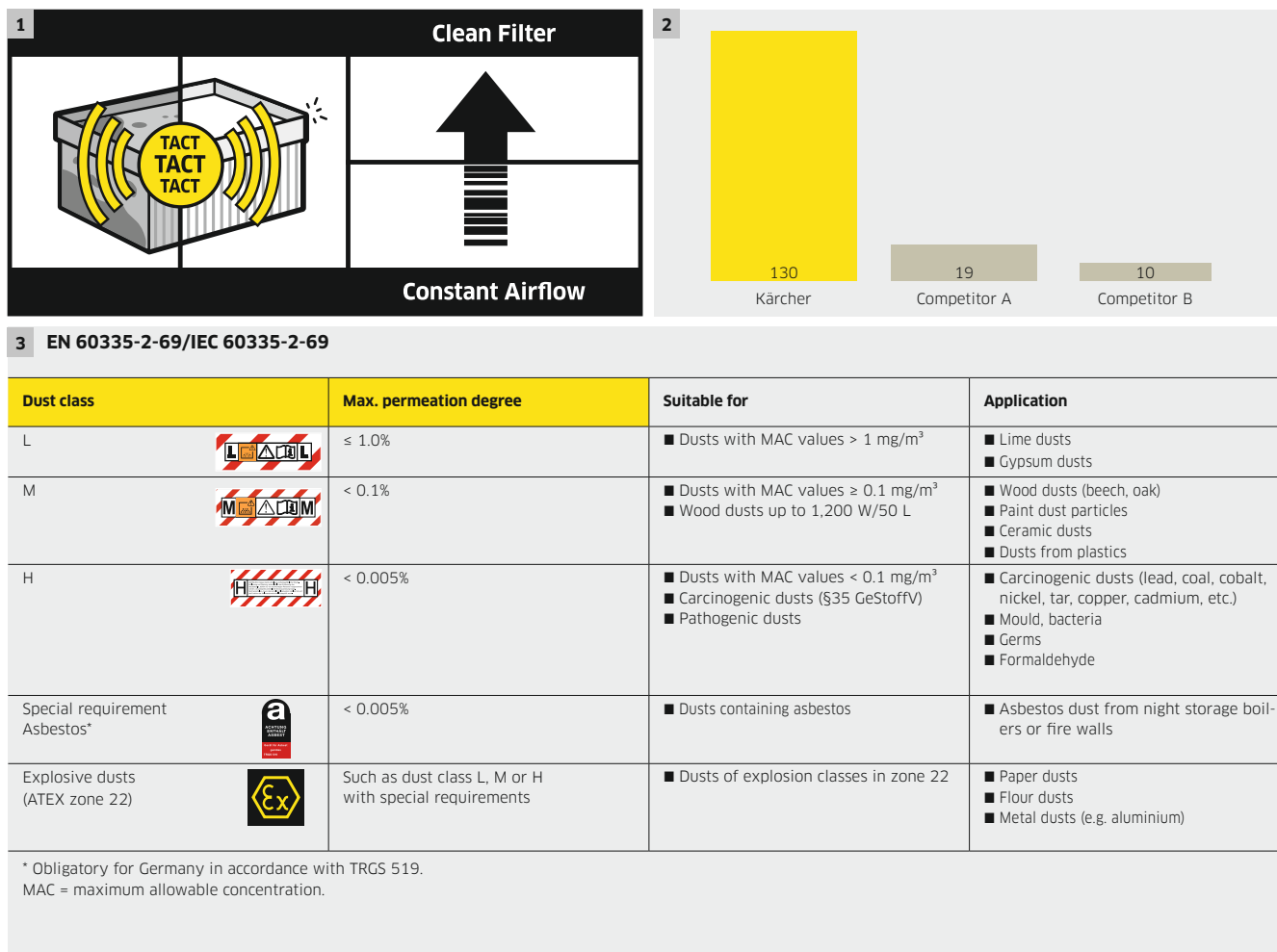


The perfect vacuum cleaner for every application

Kärcher wet and dry vacuum cleaners are designed for all wet and dry applications. With all-round and specialist machines.

- 1 Tact vacuum cleaners: developed for large quantities of fine dust – for working with and without power tools.
- 2 Ap vacuum cleaners: powerful all-rounders for liquid and moist dirt to medium-fine dust.
- 3 Standard vacuum cleaners: designed for picking up large quantities of liquids and coarse dirt.





1 Tact – the automatic filter cleaning system

Our professional wet and dry vacuum cleaners with the patented Tact system allow uninterrupted operation, even with large quantities of fine dust. The filter automatically cleans itself with targeted, powerful blasts of air. The procedure is triggered automatically whilst maintaining constant high suction power. Other advantages: low maintenance costs and long filter service life.

2 Filter service life when vacuuming fine dust with the NT 30/1 Tact Te L

Dust: mineral dust category A.

Temperature: room temperature.

Accessories: main filter and hoses included in delivery.

Competitor machines: comparable container size and equipment.

Kärcher 130*

Competitor A 19*

Competitor B 10*

* Weights in kg, maximum capacity until main filter requires manual cleaning or replacement.

3 Dust classes

Class L: Dusts in dust class L are only slightly hazardous. An L-filter may only allow a maximum of 1% of the test dust to pass through. All Kärcher flat pleated filters easily comply with this requirement – they are all certified for dust class M! The legal maximum allowable concentration of L-dusts must not exceed 1 mg/m³. There are no special precautions for the disposal of L-dusts.

Class M: Dusts in dust class M are hazardous. The maximum permeation degree of a tested M vacuum cleaner is less than 0.1%. The legal maximum allowable concentration of M-dusts must not exceed 0.1 mg/m³. M-dusts must be disposed of with low dust development.

Class H: Dusts in dust class H are extremely hazardous. The maximum permeation degree of a tested H vacuum cleaner must be less than 0.005%. The legal maximum allowable concentration of H-dusts is less than 0.1 mg/m³. Due to the high risk of these carcinogenic and pathogenic dusts, disposal must take place in a dust-free manner.

Order No.	Machine designation	Suitable for dust class	Recommended for fine dust
1.667-289.0	NT 75/2 Tact ² Me Tc		Large quantities
1.667-288.0	NT 75/2 Tact ² Me		
1.667-287.0	NT 65/2 Tact ² Tc		
1.667-286.0	NT 65/2 Tact ²		
1.667-237.0	NT 55/2 Tact ² Me		
1.667-294.0	NT 75/1 Tact Me Te H		Large quantities
1.145-838.0	NT 45/1 Tact Te H		
1.184-858.0	NT 35/1 Tact Te H		
1.146-823.0	NT 55/1 Tact Te M		Large quantities
1.145-837.0	NT 45/1 Tact Te M		
1.184-857.0	NT 35/1 Tact Te M		
1.148-411.0	NT 50/1 Tact Te L		Large quantities
1.148-311.0	NT 40/1 Tact Te L		
1.148-211.0	NT 30/1 Tact Te L		
1.148-201.0	NT 30/1 Tact L		
1.667-292.0	NT 75/2 Ap Me Tc		Small to medium quantities
1.667-291.0	NT 65/2 Ap		
1.184-505.0	NT 35/1 Ap		
1.184-503.0	NT 25/1 Ap		
1.378-510.0	NT 20/1 Ap Te		
1.378-500.0	NT 20/1 Ap		
1.510-132.0	NT 14/1 Ap Te Adv L		
1.510-127.0	NT 14/1 Ap Te Adv		
1.510-126.0	NT 14/1 Ap Adv		
1.510-125.0	NT 14/1 Ap		
1.667-267.0	NT 80/1 B1 M S	+ explosive dusts	Medium quantities
1.667-266.0	NT 80/1 B1 M	+ explosive dusts	Medium quantities
1.667-239.0	NT 75/1 Me Ec H Z22	+ explosive dusts	Medium quantities

Tact² CLASS



Constant suction power and easy handling

High mobility and power, stamina, robustness and a wide range of practical equipment features make Kärcher vacuum cleaners with Tact² sought-after specialists and all-rounders. The models with tilting chassis offer advantages, particularly for industrial applications, in the disposal of liquids and coarse dirt.



1 Tilting chassis with container lock

- The container is always securely attached to the chassis.



2 Everything to hand

- Container can be easily deposited and conveniently rolled to an emptying point.
- Convenient for two people to carry and to empty the container.



3 Suction tubes and floor nozzles can be stored in any direction in the accessory holders

- For easy access from all sides.
- Ample storage for a 4 m hose and rubber power cord (10 m).



4 Easy in, easy out with tilting chassis

- Simply tilt back the container and empty into the drain.
- High stability for easy emptying.

TECHNICAL DATA AND EQUIPMENT

		NT 75/2 Tact ² Me Tc	NT 65/2 Tact ² Tc	NT 55/2 Tact ² Me I
		<ul style="list-style-type: none"> ■ Automatic Filter Cleaning System Tact² ■ Push handle and drain hose ■ Moisture-proof PES filter 	<ul style="list-style-type: none"> ■ Automatic Filter Cleaning System Tact² ■ Accessory/suction hose storage ■ Moisture-proof PES filter 	<ul style="list-style-type: none"> ■ Mobile stainless steel container ■ Set-down mechanism ■ Automatic Filter Cleaning System Tact²
Technical data				
Air flow	l/s	2 × 74	2 × 74	2 × 74
Vacuum	mbar / kPa	254 / 25.4	254 / 25.4	254 / 25.4
Container capacity	l	75	65	55
Max. rated input power	W	2760	2760	2760
Voltage	V	220-240	220-240	220-240
Standard nominal width		ID 40	ID 40	ID 40
Cable length	m	10	10	10
Sound pressure level EN 60335-2-69	dB(A)	73	73	73
Uncertainty K = 1 dB(A)				
Weight	kg	27.5	26.5	44.8
Dimensions (L × W × H)	mm	670 × 560 × 930	670 × 560 × 915	710 × 570 × 1070
Equipment				
Suction hose	m	4 / with bend	4 / with bend	4 / with bend
Suction tubes, metal 2 × 0.5 m		■	■	■
Filter bag		Paper	Paper	-
Wet and dry floor nozzle	mm	360	360	360
Crevice nozzle		■	■	■
Stainless steel container		■	-	■
Flat pleated filter		PES	PES	Paper
Order No.		1.667-289.0	1.667-287.0	1.667-237.0
Price				
■ Included in delivery.				
Accessories				
Product name	Order No.	Description	Price	
Flat pleated filter, PES	6.907-277.0	Polyester fleece, rot-proof, dust class M.		
Flat pleated filter, paper	6.907-276.0	Paper, approved for dust class M.		
Multi-purpose nozzle, wet/dry	6.903-018.0	Aluminium with height-adjustable rollers, brush strips (6.903-064.0) and squeegees (6.903-081.0, oil-resistant).		
Suction hose	6.906-321.0	With bayonet and clip connection, C 40.		
Plastic bend	5.031-904.0	Plastic with C 40 clip system.		
Suction tube	6.902-081.0	For use in wet, damp environments or for wet vacuuming.		

Tact² CLASS



Constantly high suction power – even with large dust quantities

The Tact² machines have a wealth of standard features for picking up large quantities of fine dust as well as coarse dirt: the unique Tact² is designed for long periods of uninterrupted use with constantly high suction power. It comes with a complete anti-static package and 4 m suction hose. Designed for cleaning tasks otherwise reserved for larger and heavier vacuum cleaners.



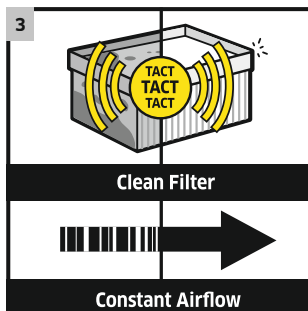
1 Easy to transport

- Adjustable push handle and large wheels make transport easy even on uneven surfaces.



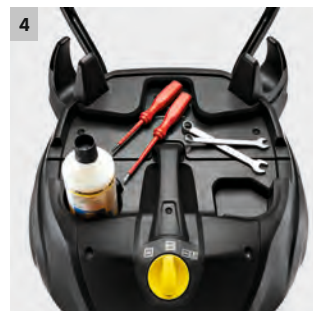
2 Intelligent accessory storage

- For example, the floor nozzle can be quickly fixed any way round.



3 Automatic Filter Cleaning System Tact²

- The divided flat pleated filter is cleaned by air blasts and can be removed from the clean side.
- Fine dusts cannot block the filter. A constant high air flow is maintained.



4 Secure and close to hand

- Tools can be stored in the on-board practical storage area, including small parts and bottles.

TECHNICAL DATA AND EQUIPMENT

NT 75/2 Tact² Me

NT 65/2 Tact²

- Automatic Filter Cleaning System Tact²
- Antistatic system
- On-board storage on the casing head

- Automatic Filter Cleaning System Tact²
- Antistatic system
- Adjustable push handle

Technical data

Air flow	l/s	2 × 74	2 × 74
Vacuum	mbar / kPa	254 / 25.4	254 / 25.4
Container capacity	l	75	65
Max. rated input power	W	2760	2760
Voltage	V	220-240	220-240
Standard nominal width		ID 40	ID 40
Cable length	m	10	10
Sound pressure level EN 60335-2-69	dB(A)	73	73
Uncertainty K = 1 dB(A)			
Weight	kg	27.5	26.5
Dimensions (L × W × H)	mm	630 × 545 × 920	575 × 490 × 880

Equipment

Suction hose	m	4 / with bend	4 / with bend
Suction tubes, metal 2 × 0.5 m		■	■
Filter bag		Paper	Paper
Wet and dry floor nozzle	mm	360	360
Crevice nozzle		■	■
Stainless steel container		■	-
Flat pleated filter		Paper	Paper
Order No.		1.667-288.0	1.667-286.0
Price			

■ Included in delivery.

Accessories

Product name	Order No.	Description	Price
Flat pleated filter, paper	6.907-276.0	Paper, approved for dust class M.	
Flat pleated filter, PES	6.907-277.0	Polyester fleece, rot-proof, dust class M.	
Multi-purpose nozzle, wet/dry	6.903-018.0	Aluminium with height-adjustable rollers, brush strips (6.903-064.0) and squeegees (6.903-081.0, oil-resistant).	
Suction hose	6.906-546.0	With bayonet and clip connection, electrically conductive, C 40.	
Bend, plastic, electrically conductive	5.032-427.0	Plastic, with C 40 clip system, electrically conductive.	
Suction tube	6.902-081.0	For use in wet, damp environments or for wet vacuuming.	

THE NEW Tact CLASS: THE NEXT GENERATION OF FINE DUST VACUUM CLEANERS

With the new Tact range, we have thought of everything that is important for professional operators: outstanding suction power, simple and comfortable operation, as well as durability and longevity. Our tried-and-tested Tact filter cleaning system is now even quieter and more efficient. And when it comes to equipment and accessories, we have done everything to ensure that your work is faster, easier and more convenient.





1 Overview of machine features

- 1** Central rotary switch for adjustment of filter cleaning as required.
- 2** Suction hose connection in the machine head for a greater net volume and easy emptying.
- 3** Robust container with bumper and gripping option for a long service life and convenient handling.
- 4** Case storage and attachment solution for toolboxes.
- 5** Flexible hose and power cord storage for secure attachment of different hoses.
- 6** Side storage of crevice nozzle and special tool adapter to ensure nothing is lost.
- 7** Large and robust metal castors for optimal mobility, even for tough jobs on construction sites.



2 Overview of accessory features

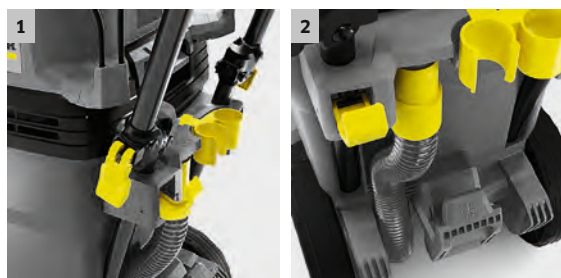
- 1** Special tool adapter with secondary air slider and rubber attachment for optimal compatibility with power tools.
- 2** Wide floor nozzle with quickly replaceable inserts for wet and dry applications.
- 3** Ergonomic bend with soft grip components for comfortable operation.
- 4** Improved clip system for easy switching, for example from bend to tool adapter.
- 5** Dirt-repellent bayonet fastener for easy separation of the hose from the machine.

Tact CLASS



The biggest of its kind

Even our most demanding customers in industry and construction will be impressed by the wet and dry vacuum cleaner NT 50/1 Tact Te L. Powerful and reliable, it also vacuums very large quantities of fine dust, coarse dirt or liquids into its 50-litre container, ensuring long periods of uninterrupted use in a clean, dust-free environment.

NEW


1 Adjustable, ergonomic push handle

- Thanks to a quick lock, the adjustable push handle adapts to the size of the operator.
- The push handle can be easily folded away to save space when storing the machine.

2 Oil-resistant drain hose

- Oil-resistant, integrated drain hose for easy emptying of liquids.

NT 50/1 Tact Te L

- Adjustable push handle
- Drain hose
- Antistatic preparation

Technical data

Air flow	l/s	74
Vacuum	mbar / kPa	254 / 25.4
Container capacity	l	50
Max. rated input power	W	1380
Voltage	V	220-240
Standard nominal width		ID 35
Rubber power cable length	m	7.5
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	69
Weight	kg	18.9
Dimensions (L × W × H)	mm	585 × 370 × 1020

Equipment

Suction hose	m	4 / with bend
Suction tubes, stainless steel, 2 × 0.55 m		■
Filter bag		Fleece
Wet and dry floor nozzle	mm	360
Crevice nozzle		■
Power tool connection adapter		■
Order No.		1.148-411.0
Price		

- Included in delivery.

Tact CLASS

Built to last.



Highly effective, less wear and tear: the NT 45/1 Tact Te Ec motor has no carbon brushes – ideal for heavy-duty, uninterrupted industrial use with a service life of 5,000 hours.



1 Variable speed control

- The brushless EC drive has a life expectancy of 5,000 hours. This makes the NT 45/1 Tact Te Ec ideal for continuous use.

2 Brushless EC drive

- Adjustable suction power.

NT 45/1 Tact Te Ec

- Brushless EC drive (5,000 h)
- Antistatic preparation
- Automatic on/off switch

Technical data

Air flow	l/s	63
Vacuum	mbar / kPa	244 / 24.4
Container capacity	l	45
Max. rated input power	W	1380
Voltage	V	220-240
Standard nominal width		ID 35
Rubber power cable length	m	7.5
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	71
Weight	kg	13.5
Dimensions (L × W × H)	mm	517 × 375 × 687

Equipment

Suction hose	m	2.5 / with bend
Suction tubes, stainless steel, 2 × 0.5 m	■	
Filter bag		Fleece
Wet and dry floor nozzle	mm	300
Crevice nozzle	■	
Order No.		1.145-826.0
Price		

- Included in delivery.

Tact CLASS



Just the right size

Not too large, not too small, but just right: the NT 40/1 Tact Te L is perfect for those who want it all. Compact, easy to transport and a large container capacity for long work intervals. Also available with push handle on request.

NEW


1 Suction hose connection in the machine head

- The suction hose port in the machine head enables a larger container capacity.
- Easy emptying of the container by connecting the hose and machine head.

2 Storage rack and fixing options

- Toolboxes can be placed on the flat machine head without slipping thanks to its rubberised surfaces.
- Transport eyelets facilitate secure fixing with conventional anchoring straps.

NT 40/1 Tact Te L

- PES flat pleated filter
- Antistatic preparation
- Optional push handle

Technical data

Air flow	l/s	74
Vacuum	mbar / kPa	254 / 25.4
Container capacity	l	40
Max. rated input power	W	1380
Voltage	V	220-240
Standard nominal width		ID 35
Rubber power cable length	m	7.5
Sound pressure level EN 60335-2-69	dB(A)	69
Uncertainty K = 1 dB(A)		
Weight	kg	14.4
Dimensions (L × W × H)	mm	560 × 370 × 658

Equipment

Suction hose	m	4 / with bend
Suction tubes, stainless steel, 2 × 0.55 m		■
Filter bag		Fleece
Wet and dry floor nozzle	mm	360
Crevice nozzle		■
Power tool connection adapter		■

Order No.	1.148-311.0
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Price

- Included in delivery.

Tact CLASS



Indispensable on construction sites and in workshops

The compact NT 30/1 Tact Te L is our mobile fine dust expert for tradesmen. It impresses with extraordinary power wherever large quantities of fine dust are generated – whether for heavy-duty use on construction sites or in workshops.

NEW



1 Tact automatic filter cleaning system

- Fully automatic and the filter cleans itself with powerful blasts of air without losing suction.
- Market-wide unique filter service life of at least 130 kg of fine dust.

2 Power tool connection adapter with air valve and rubber attachment

- The new power tool connection adapter ensures optimal connection to the power tool.
- The suction power can be regulated via the rotating ring on the base body of the sleeve.

NT 30/1 Tact Te L

- PES flat pleated filter
- Antistatic preparation
- Automatic on/off switch (for power tools)

Technical data

Air flow	l/s	74
Vacuum	mbar / kPa	254 / 25.4
Container capacity	l	30
Max. rated input power	W	1380
Voltage	V	220-240
Standard nominal width		ID 35
Rubber power cable length	m	7.5
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	69
Weight	kg	14
Dimensions (L × W × H)	mm	560 × 370 × 580

Equipment

Suction hose	m	4 / with bend
Suction tubes, stainless steel, 2 × 0.55 m		■
Filter bag		Fleece
Wet and dry floor nozzle	mm	360
Crevice nozzle		■
Power tool connection adapter		■

Order No. 1.148-211.0

Price

■ Included in delivery.

Tact CLASS



The all-rounder for everything and everyone

For cleaning machines, vehicles, workshop floors, and much more: the NT 30/1 Tact L is a robust and compact all-rounder for operators in diverse industries – with excellent suction power for brilliant results in all situations.

NEW



1 Rugged container with bumpers and metal castors

- Sturdy metal castors guarantee good manoeuvrability and unrestricted mobility on construction sites.
- The rugged container protects the machine from bumps and knocks.



2 Flexible hose and cord storage

- Enables secure fixing of hoses of different lengths and diameters.
- The power cord is always stored safely for transport.



3 Detachable filter casing

- With the detachable filter casing, removal and replacement of the filter is dust-free.
- It is impossible to insert the flat pleated filter incorrectly.



4 Central rotary switch

- Convenient switching via central rotary switch.

TECHNICAL DATA AND EQUIPMENT

NT 30/1 Tact L

- PES flat pleated filter
- Metal castors
- Flexible hose and cord storage

Technical data

Air flow	l/s	74
Vacuum	mbar / kPa	254 / 25.4
Container capacity	l	30
Max. rated input power	W	1380
Voltage	V	220-240
Standard nominal width		ID 35
Rubber power cable length	m	7.5
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	69
Weight	kg	13.9
Dimensions (L × W × H)	mm	560 × 370 × 580

Equipment

Suction hose	m	2.5 / with bend
Suction tubes, stainless steel, 2 × 0.55 m	■	
Filter bag		Fleece
Wet and dry floor nozzle	mm	360
Crevice nozzle	■	
Power tool connection adapter		-
Order No.		1.148-201.0
Price		

■ Included in delivery.

Accessories

Product name	Order No.	Description	Price
Fleece filter bags	2.889-154.0	Fleece filter bag with 30-litre volume. Tear-resistant, dust class M, for suction hose port in machine head.	
Adv fleece filter bags	2.889-156.0	5 pcs. extra tear-resistant fleece filter bags, dust class M, for suction hose port in machine head.	
Flat pleated filter, PES	6.904-360.0	Polyester fleece, rot-proof, dust class M.	
Flat pleated filter, PTFE	6.907-455.0	Polyester fleece with PTFE coating for single-motor Tact and Ap vacuum cleaners, dust class M. Particularly suitable for very adhesive materials.	
Suction hose	2.889-134.0	2.5 m-long suction hose with new bayonet and clip fastener.	
Suction hose	2.889-135.0	4 m-long suction hose with new bayonet and clip fastener.	
Electrically conductive suction hose	2.889-136.0	Electrically conductive suction hose with new bayonet and clip fastener. Length: 2.5 m.	
Electrically conductive suction hose	2.889-137.0	4 m-long suction hose with new bayonet and clip fastener. Electrically conductive.	
Bend Adv	2.889-148.0	Ergonomic bend for the new clip system.	
Tool collar ID 35, clip-on	2.889-151.0	Electrically conductive connection bushing with secondary air slider.	
Wet and dry floor nozzle Adv	2.889-152.0	360 mm-wide wet and dry floor nozzle with easy-to-change inserts. Including brush strips and squeegees.	
Wet and dry floor nozzle Adv	2.889-153.0	360 mm-wide wet and dry floor nozzle with easy-to-change inserts, squeegees.	

AP CLASS



For a range of jobs – suitable for industrial and commercial use

Two powerful turbines, patented filter system, semi-automatic filter cleaning and large container capacity enable long periods of uninterrupted use with constant suction power.



1 On-board storage

- The large on-board storage space on the casing head ensures that tools and accessories are always stored and close to hand.



2 Integrated drain hose

- Easily accessible drain hose for convenient liquid disposal.



3 ApClean (semi-automatic filter cleaning system)

- The free filter means that the user can work for long intervals without interruption.
- Optimal suction power with high efficiency.



4 Hose and bend attachment

- Convenient suction hose and bend attachment for easy transport and storage.

TECHNICAL DATA AND EQUIPMENT

NT 75/2 Ap Me Tc

NT 65/2 Ap

- Semi-automatic filter cleaning
- Tilting chassis
- Flat pleated filter (dust class M)

- Semi-automatic filter cleaning
- Flat pleated filter (dust class M)
- Drain hose and push handle

Technical data

Air flow	l/s	2 × 74	2 × 74
Vacuum	mbar / kPa	254 / 25.4	254 / 25.4
Container capacity	l	75	65
Max. rated input power	W	2760	2760
Voltage	V	220-240	220-240
Standard nominal width		ID 40	ID 40
Cable length	m	10	10
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	73	73
Weight	kg	26.5	20
Dimensions (L × W × H)	mm	700 × 505 × 995	600 × 480 × 920

Equipment

Suction hose	m	4 / with bend	4 / with bend
Suction tubes, metal 2 × 0.5 m	■	■	■
Filter bag		Paper	Paper
Wet and dry floor nozzle	mm	360	360
Crevice nozzle	■	■	■
Stainless steel container	■	-	-
Flat pleated filter		Paper	Paper
Order No.		1.667-292.0	1.667-291.0
Price			

■ Included in delivery.

Accessories

Product name	Order No.	Description	Price
Flat pleated filter, PES	6.904-284.0	Polyester fleece, rot-proof, dust class M (also for NT 65/2 Eco / Me / Tc and NT 72/2 Eco Tc).	
Flat pleated filter, paper	6.904-283.0	Paper, dust class M (also NT 65/2 Eco / opt. for NT 75/2 Eco Tc models).	
Multi-purpose nozzle, wet/dry	6.903-018.0	Aluminium with height-adjustable rollers, brush strips (6.903-064.0) and squeegees (6.903-081.0, oil-resistant).	
Suction hose	6.906-321.0	With bayonet and clip connection, C 40.	
Plastic bend	5.031-904.0	Plastic with C 40 clip system.	
Suction tube	6.902-081.0	For use in wet, damp environments or for wet vacuuming.	

AP CLASS

High-performance, compact vacuum cleaners for professionals

Handy, versatile, powerful – these wet and dry vacuum cleaners for professional use offer compact dimensions and impressive equipment, including semi-automatic filter cleaning.



1 ApClean (semi-automatic filter cleaning system)

- The semi-automatic filter cleaning feature keeps the filter clean for maximum suction power.



2 Mobility and power

- Professional mobility guaranteed.
- The NT 25/1 combines compact design and performance for professional use.



3 Practical cable storage compartment

- Hooks for safe and secure cable storage.



4 No more tripping up when you're in a hurry!

- Practical cable hook for easy transport.

TECHNICAL DATA AND EQUIPMENT

NT 35/1 Ap

NT 25/1 Ap

- Semi-automatic filter cleaning
- Accessory/suction hose storage
- Integrated cable hook

- Semi-automatic filter cleaning
- Accessory/suction hose storage
- Integrated cable hook

Technical data

Air flow	l/s	74	74
Vacuum	mbar / kPa	254 / 25.4	254 / 25.4
Container capacity	l	35	25
Max. rated input power	W	1380	1380
Voltage	V	220-240	220-240
Standard nominal width		ID 35	ID 35
Cable length	m	7.5	7.5
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	70	70
Weight	kg	11.5	10.5
Dimensions (L × W × H)	mm	510 × 370 × 575	510 × 370 × 480

Equipment

Suction hose	m	2.5 / with bend	2.5 / with bend
Suction tubes, metal 2 × 0.5 m	■	■	■
Filter bag		Fleece	Fleece
Wet and dry floor nozzle	mm	300	300
Crevice nozzle	■	■	■
Order No.		1.184-505.0	1.184-503.0
Price			

■ Included in delivery.

Accessories

Product name	Order No.	Description	Price
Flat pleated filter, paper	6.904-367.0	Paper, dust class M.	
Flat pleated filter, PES	6.904-360.0	Polyester fleece, rot-proof, dust class M.	
Paper filter bags, × 5	6.904-210.0	Dust class M.	
Adv fleece filter bags	6.904-351.0	Fleece filter bag, extra tear-resistant, dust class M.	
All-purpose brush	6.903-863.0	Natural bristles (ox hair), bristle element 120 × 45 mm, ID 35.	

AP CLASS



Compact, powerful and for use anywhere

Handy, powerful, quiet and mobile: the wet and dry vacuum cleaner with its semi-automatic filter cleaning system is an ideal machine for workshops and construction sites.



1 Compact dimensions

- Ergonomic handle and compact square dimensions for easy transport and storage.



2 Semi-automatic filter cleaning

- Semi-automatic filter cleaning effectively ensures constant high suction power.
- With an air flow rate of 74 l/s and a vacuum of 254 mbar, the suction power of the machine is outstanding.



3 Removable filter box

- Light, dirt-free removal and damage-proof tapping of the flat pleated filter.



4 Integrated accessory storage

- All of the accessories can be stowed conveniently on the machine and are therefore always close at hand.

TECHNICAL DATA AND EQUIPMENT

NT 20/1 Ap Te

NT 20/1 Ap

- Semi-automatic filter cleaning
- Automatic on/off switch
- Removable filter box

- Semi-automatic filter cleaning
- Accessory/suction hose storage
- Removable filter box

Technical data

Air flow	l/s	74	74
Vacuum	mbar / kPa	254 / 25	254 / 25
Container capacity	l	20	20
Max. rated input power	W	1380	1380
Voltage	V	220-240	220-240
Standard nominal width		ID 35	ID 35
Cable length	m	6	6
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	66	66
Weight	kg	8.5	8.5
Dimensions (L × W × H)	mm	440 × 380 × 470	440 × 380 × 470

Equipment

Suction hose with bend	m	2.5 / with bend	2.5 / with bend
Suction tubes, metal 2 × 0.5 m	■	■	■
Filter bag		Fleece	Fleece
Wet and dry floor nozzle	mm	300	300
Crevice nozzle	■	■	■
Power tool connection adapter	■	-	-
Order No.		1.378-510.0	1.378-500.0
Price			

■ Included in delivery.

Accessories

Product name	Order No.	Description	Price
Flat pleated filter, paper	6.904-367.0	Paper, dust class M.	
Flat pleated filter, PES	6.904-360.0	Polyester fleece, rot-proof, dust class M.	
Fleece filter bags	6.907-469.0	Fleece filter bag, tear-resistant, dust class M.	
Adv fleece filter bags	6.904-351.0	Fleece filter bag, extra tear-resistant, dust class M.	
All-purpose brush	6.903-863.0	Natural bristles (ox hair), bristle element 120 × 45 mm, ID 35.	

AP CLASS



The tradesman's right hand

The NT 14/1 is compact and lightweight – the ideal vacuum cleaner for tradesmen. Combines high mobility and powerful suction. Practical details allow convenient cleaning.



1

1 Folding handle

- No bending down, no dragging. The practical handle turns the vacuum cleaner into a trolley for easy transport.



2

2 Ample storage

- The NT 14/1 features on-board practical storage for crevice nozzle, floor nozzle or suction tube.



3

3 Accessory storage

- Even the ultra-compact NT 14/1 Classic offers ample storage space for suction tubes and floor nozzle.



4

4 Detachable suction unit

- The suction unit can be detached from the chassis at the push of a button, removed with one hand and attached just as easily.

TECHNICAL DATA AND EQUIPMENT

NT 14/1 Ap Te Adv L			NT 14/1 Ap Te Adv		NT 14/1 Ap Adv	
<div><div></div><div>Automatic on/off switch</div></div> <div><div></div><div>Dust class L certification</div></div> <div><div></div><div>Antistatic system</div></div>			<div><div></div><div>Automatic on/off switch</div></div> <div><div></div><div>Antistatic system</div></div> <div><div></div><div>Folding handle</div></div>		<div><div></div><div>Folding handle</div></div> <div><div></div><div>Semi-automatic filter cleaning</div></div> <div><div></div><div>Easily detachable suction unit</div></div>	
Technical data						
Air flow	l/s	61	61	61		
Vacuum	mbar / kPa	230 / 23	230 / 23	230 / 23		
Container capacity	l	14	14	14		
Max. rated input power	W	1380	1380	1380		
Voltage	V	220–240	220–240	220–240		
Standard nominal width		ID 35	ID 35	ID 35		
Cable length	m	7.5	7.5	7.5		
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	70	70	70		
Weight	kg	14.3	14.3	14.1		
Dimensions (L × W × H)	mm	545 × 465 × 410	545 × 465 × 410	545 × 465 × 410		
Equipment						
Suction hose	m	2.5 / with bend	2.5 / with bend	2.5 / with bend		
Suction tubes, metal 3 × 0.33 m		■	■	■		
Suction tubes, metal 2 × 0.5 m		–	–	–		
Filter bag		Paper	Paper	Paper		
Wet and dry floor nozzle	mm	300	300	300		
Crevice nozzle		■	■	■		
Order No.		1.510-132.0	1.510-127.0	1.510-126.0		
Price						

■ Included in delivery.

NT 14/1 Ap			NT 14/1 Classic		
<div><div></div><div><div></div><div></div><div></div></div></div> <div><div>Suction unit is easy to remove</div><div>All accessories in the chassis</div><div>Easy to operate</div></div>			<div><div></div><div><div></div><div></div><div></div></div></div> <div><div>Low weight</div><div>Easy to operate</div><div>Parking position for floor nozzle</div></div>		
Technical data					
Air flow	l/s	61	61		
Vacuum	mbar / kPa	230 / 23	230 / 23		
Container capacity	l	14	14		
Max. rated input power	W	1380	1380		
Voltage	V	220-240	220-240		
Standard nominal width		ID 35	ID 35		
Cable length	m	7.5	7.5		
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	70	70		
Weight	kg	12.6	9.8		
Dimensions (L × W × H)	mm	495 × 465 × 410	480 × 400 × 365		
Equipment					
Suction hose	m	2.5 / with bend	2.5 / with bend		
Suction tubes, metal 3 × 0.33 m		■	-		
Suction tubes, metal 2 × 0.5 m		-	■		
Filter bag		Paper	Paper		
Wet and dry floor nozzle	mm	300	300		
Crevice nozzle		■	■		
Order No.		1.510-125.0	1.510-128.0		
Price					

■ Included in delivery.

STANDARD CLASS



Tilt & Empty

Time-saving, with no need to bend – the NT 70 range with tilting chassis makes it easy to empty the large container: simply lift the handle and empty the dirt. Ideal for contract cleaners for wet application after floor cleaning with a single disc machine.



1 Integrated accessory storage

- Large bumper with accessory storage.



2 Ergonomic push handle

- The NT 70 has an ergonomic push handle so that the machine can be rolled.



3 Tilting chassis

- Quick and easy: the container tilts back for easy emptying.



4 Ergonomic lifting handle

- The ergonomic handle – at the front and at the bottom of the container – makes handling easy.

TECHNICAL DATA AND EQUIPMENT

		NT 70/3 Me Tc	NT 70/2 Me Tc	NT 70/3 Tc
		<ul style="list-style-type: none"> Tilting chassis and large wheels Ergonomic push handle Stainless steel container 	<ul style="list-style-type: none"> Tilting chassis and large wheels Ergonomic push handle Stainless steel container 	<ul style="list-style-type: none"> Tilting chassis and large wheels Ergonomic push handle Optional wet filter available
Technical data				
Air flow	l/s	3 × 56	2 × 56	3 × 56
Vacuum	mbar / kPa	208 / 20.8	208 / 20.8	208 / 20.8
Container capacity	l	70	70	70
Max. rated input power	W	3600	2400	3600
Voltage	V	220-240	220-240	220-240
Standard nominal width		ID 40	ID 40	ID 40
Cable length	m	10	10	10
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	79	75	79
Weight	kg	28.8	26.7	27.6
Dimensions (L × W × H)	mm	510 × 645 × 990	510 × 645 × 990	510 × 645 × 990
Equipment				
Suction hose	m	4 / with bend	4 / with bend	4 / with bend
Suction tubes, metal 2 × 0.5 m		■	■	■
Wet and dry floor nozzle	mm	400	400	400
Crevice nozzle		■	■	■
Cartridge filter		Paper	Paper	Paper
Order No.		1.667-274.0	1.667-272.0	1.667-273.0
Price				

■ Included in delivery.

NT 70/2 Tc

		<ul style="list-style-type: none"> Tilting chassis and large wheels Ergonomic push handle Optional wet filter available
Technical data		
Air flow	l/s	2 × 56
Vacuum	mbar / kPa	208 / 20.8
Container capacity	l	70
Max. rated input power	W	2400
Voltage	V	220-240
Standard nominal width		ID 40
Cable length	m	10
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	75
Weight	kg	25.4
Dimensions (L × W × H)	mm	510 × 645 × 990
Equipment		
Suction hose	m	4 / with bend
Suction tubes, metal 2 × 0.5 m		■
Wet and dry floor nozzle	mm	400
Crevice nozzle		■
Cartridge filter		Paper
Order No.		1.667-271.0
Price		

■ Included in delivery.

STANDARD CLASS



The vacuuming professionals

Kärcher quality at an affordable price: the NT 70 range offers powerful vacuum cleaners with up to three motors. With their high suction power, these vacuum cleaners effortlessly pick up liquids and coarse dirt.



1 2 motors

- Choose between one or two motors. Both can be switched on and off at the front as required.



2 Easy to use

- The container is easy to empty via the drain hose. Extremely practical due to the very large 70-litre container capacity.



3 Integrated accessory storage

- Large bumper with accessory storage.



4 Ergonomic push handle

- The NT 70 has an ergonomic push handle so that the machine can be rolled.

TECHNICAL DATA AND EQUIPMENT

		NT 70/2 Adv	NT 70/2 Me	NT 70/3
		<ul style="list-style-type: none"> ■ Robust bumper, large wheels ■ Ergonomic push handle ■ Wide nozzle 	<ul style="list-style-type: none"> ■ Stainless steel container ■ Ergonomic push handle ■ Optional wet filter available 	<ul style="list-style-type: none"> ■ Robust bumper, large wheels ■ Ergonomic push handle ■ Optional wet filter available
Technical data				
Air flow	l/s	2 × 56	2 × 56	3 × 56
Vacuum	mbar / kPa	208 / 20.8	208 / 20.8	208 / 20.8
Container capacity	l	70	70	70
Max. rated input power	W	2400	2400	3600
Voltage	V	220-240	220-240	220-240
Standard nominal width		ID 40	ID 40	ID 40
Cable length	m	10	10	10
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	75	75	79
Weight	kg	26	25.6	27.6
Dimensions (L × W × H)	mm	510 × 740 × 1010	510 × 740 × 1010	510 × 740 × 1010
Equipment				
Suction hose	m	4 / with bend	4 / with bend	4 / with bend
Suction tubes, metal 2 × 0.5 m		■	■	■
Wet and dry floor nozzle	mm	400	400	400
Crevice nozzle		■	■	■
Cartridge filter		Paper	Paper	Paper
Order No.		1.667-278.0	1.667-275.0	1.667-270.0
Price				

■ Included in delivery.

		NT 70/2	NT 70/1
		<ul style="list-style-type: none"> ■ Robust bumper, large wheels ■ Ergonomic push handle ■ Optional wet filter available 	<ul style="list-style-type: none"> ■ Robust bumper, large wheels ■ Ergonomic push handle ■ Optional wet filter available
Technical data			
Air flow	l/s	2 × 56	56
Vacuum	mbar / kPa	208 / 20.8	208 / 20.8
Container capacity	l	70	70
Max. rated input power	W	2400	1200
Voltage	V	220-240	220-240
Standard nominal width		ID 40	ID 40
Cable length	m	10	10
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	75	73
Weight	kg	24.9	22.6
Dimensions (L × W × H)	mm	510 × 740 × 1010	510 × 740 × 1010
Equipment			
Suction hose	m	4 / with bend	4 / with bend
Suction tubes, metal 2 × 0.5 m		■	■
Wet and dry floor nozzle	mm	400	400
Crevice nozzle		■	■
Cartridge filter		Paper	Paper
Order No.		1.667-269.0	1.667-268.0
Price			

■ Included in delivery.

STANDARD CLASS



The high suction power Standard class

Robust, affordable, versatile: these standard high-performance entry-level wet and dry vacuum cleaners easily pick up dirt and water, are mobile and ideal for cleaning small to medium-sized areas.



1 Container emptying

- Easily accessible drain hose for convenient liquid disposal.



2 Accessory storage

- Accessories can be attached to the container at the rear of the machine.



3 Robust metal latches

- These extremely robust latches lock even more reliably.



4 Robust bumper

- The NT 48/1 has a bumper to protect it as well as walls, machines and other items against damage.

TECHNICAL DATA AND EQUIPMENT

NT 48/1 Te			NT 48/1		NT 27/1 Me Adv	
<div><div></div><div>■ Plastic container</div><div>■ Drain hose</div><div>■ Power outlet</div></div>			<div><div></div><div>■ All-purpose brush</div><div>■ Cartridge filter with enlarged filter area</div><div>■ Drain hose</div></div>		<div><div></div><div>■ Cartridge filter with enlarged filter area</div><div>■ Stainless steel container</div><div>■ Wide wet suction nozzle</div></div>	
Technical data						
Air flow	l/s	67	67	67		
Vacuum	mbar / kPa	200 / 20	200 / 20	200 / 20		
Container capacity	l	48	48	27		
Max. rated input power	W	1380	1380	1380		
Voltage	V	220–240	220–240	220–240		
Standard nominal width		ID 35	ID 35	ID 35		
Cable length	m	7.5	7.5	7.5		
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	72	72	72		
Weight	kg	10.5	10.5	8.2		
Dimensions (L × W × H)	mm	490 × 390 × 780	490 × 390 × 780	420 × 420 × 540		
Equipment						
Suction hose with bend	m	2.5 / with bend	2.5 / with bend	2.5 / with bend		
Suction tubes, metal 2 × 0.5 m		■	■	■		
Filter bag		Paper	Paper	Paper		
Wet and dry floor nozzle	mm	400	400	400		
Crevice nozzle		■	■	■		
Cartridge filter		Paper	Paper	Paper		
Order No.		1.428-625.0	1.428-620.0	1.428-114.0		
Price						
■ Included in delivery						

■ Included in delivery.

NT 27/1 Me			NT 27/1 Adv		NT 27/1	
<div><div></div><div>■ With cartridge and wet filter</div><div>■ Stainless steel container</div><div>■ Accessory storage and cable hook</div></div>			<div><div></div><div>■ Cartridge filter with enlarged filter area</div><div>■ Plastic container</div><div>■ Wide wet suction nozzle</div></div>		<div><div></div><div>■ With cartridge and wet filter</div><div>■ Plastic container</div><div>■ Accessory storage and cable hook</div></div>	
Technical data						
Air flow	l/s	67	67	67		
Vacuum	mbar / kPa	200 / 20	200 / 20	200 / 20		
Container capacity	l	27	27	27		
Max. rated input power	W	1380	1380	1380		
Voltage	V	220–240	220–240	220–240		
Standard nominal width		ID 35	ID 35	ID 35		
Cable length	m	7.5	7.5	7.5		
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	72	72	72		
Weight	kg	8.2	7.5	7.5		
Dimensions (L × W × H)	mm	420 × 420 × 540	420 × 420 × 525	420 × 420 × 525		
Equipment						
Suction hose with bend	m	2.5 / with bend	2.5 / with bend	2.5 / with bend		
Suction tubes, metal 2 × 0.5 m		■	■	■		
Filter bag		Paper	Paper	Paper		
Wet and dry floor nozzle	mm	300	400	300		
Crevice nozzle		■	■	■		
Cartridge filter		Paper	Paper	Paper		
Order No.		1.428-100.0	1.428-520.0	1.428-500.0		
Price						

■ Included in delivery.

NT CLASSIC WITH TWO MOTORS



NT Classic range: extra powerful and easy to use

High suction power, easy handling, robust – these two-motor wet and dry vacuum cleaners demonstrate outstanding performance for all wet and coarse dirt vacuuming. With cartridge filter and Easy Service Concept.



1

1 Vacuum without filter bags

- The two-motor NT Classic machines are fitted with the tried-and-tested Kärcher cartridge filter.
- The cartridge filter allows non-stop vacuuming without filter bag.



2

2 Robust and easy to transport

- Extremely mobile on all surfaces thanks to the robust chassis, large wheels and metal castors.
- The standard push handle ensures easy transport.



3

3 Excellent suction power

- 2 powerful turbines ensure outstanding suction power.
- The strong suction power ensures excellent cleaning results and the utmost efficiency.



4

4 Drain hose

- Easily accessible drain hose for convenient liquid disposal.

TECHNICAL DATA AND EQUIPMENT

NT 90/2 Me Classic Edition

NT 70/2 Me Classic Edition

NT 50/2 Me Classic Edition

- Strong suction power
- Simple turbine change
- Drain hose

- Strong suction power
- Simple turbine change
- Drain hose

- Strong suction power
- Simple turbine change
- Robust chassis

Technical data

Air flow	l/s	2 × 53	2 × 53	2 × 53
Vacuum	mbar / kPa	225 / 22.5	225 / 22.5	225 / 22.5
Container capacity	l	90	70	50
Max. rated input power	W	2300	2300	2300
Voltage	V	220-240	220-240	220-240
Standard nominal width		ID 40	ID 40	ID 40
Cable length	m	7.5	7.5	7.5
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	76	76	76
Weight	kg	19	18	17.5
Dimensions (L × W × H)	mm	560 × 502 × 977	560 × 502 × 832	560 × 502 × 687

Equipment

Suction hose	m	2.5 / with bend	2.5 / with bend	2.5 / with bend
Suction tubes, metal 2 × 0.5 m		■	■	■
Stainless steel container		■	■	■
Crevice nozzle		■	■	■
Cartridge filter		■	■	■
Wet and dry floor nozzle	mm	360	360	360
Dry floor nozzle	mm	360	360	360
Order No.		1.667-700.0	1.667-306.0	1.667-030.0
Price				

■ Included in delivery.

NT 50/1 Me Classic Edition

- Strong suction power
- Simple turbine change
- Robust chassis

Technical data

Air flow	l/s	53
Vacuum	mbar / kPa	225 / 22.5
Container capacity	l	50
Max. rated input power	W	1150
Voltage	V	220-240
Standard nominal width		ID 40
Cable length	m	7.5
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	73
Weight	kg	16
Dimensions (L × W × H)	mm	560 × 502 × 687

Equipment

Suction hose	m	2.5 / with bend
Suction tubes, metal 2 × 0.5 m		■
Stainless steel container		■
Crevice nozzle		■
Cartridge filter		■
Wet and dry floor nozzle	mm	360
Dry floor nozzle	mm	360
Order No.		1.667-010.0
Price		

■ Included in delivery.

NT CLASSIC SINGLE MOTOR



Compact universal units in the NT Classic range

The compact and robust wet and dry vacuum cleaners in the single-motor Kärcher NT Classic range impress with their Easy Service Concept, low operation and maintenance costs, and reliable filter engineering.



1 Compact, robust and mobile

- Excellent stability, easy manoeuvrability and convenient transport thanks to its slimline form and 4 castors.
- The bumper offers secure all-round protection for the vacuum cleaner and equipment.



2 Excellent suction power

- NT Classic machines with a powerful 1,500 W turbine reliably pick up all kinds of dirt.
- For excellent cleaning results.



3 Vacuum without filter bags

- The single-motor NT Classic machines are fitted with the tried-and-tested Kärcher cartridge filter.
- The cartridge filter allows non-stop vacuuming without filter bag.



4 Service and comfort

- Sensationally fast: the Easy Service Concept allows removal of the turbine in just 44 seconds.
- Rapid turbine replacement saves time and costs.

TECHNICAL DATA AND EQUIPMENT

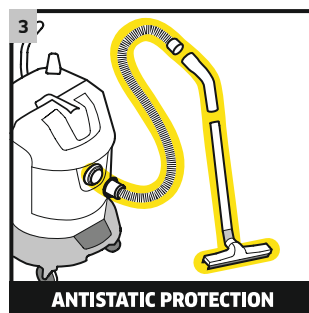
		NT 38/1 Me Classic Edition	NT 30/1 Me Classic Edition	NT 20/1 Me Classic Edition
		<ul style="list-style-type: none"> ■ Easy Service Concept ■ Strong suction power ■ Cartridge filter or permanent filter basket 	<ul style="list-style-type: none"> ■ Easy Service Concept ■ Strong suction power ■ Cartridge filter or permanent filter basket 	<ul style="list-style-type: none"> ■ Easy Service Concept ■ Strong suction power ■ Cartridge filter or permanent filter basket
Technical data				
Air flow	l/s	59	59	59
Vacuum	mbar / kPa	227 / 22.7	227 / 22.7	227 / 22.7
Container capacity	l	36	30	20
Max. rated input power	W	1500	1500	1500
Voltage	V	220-240	220-240	220-240
Standard nominal width		ID 35	ID 35	ID 35
Cable length	m	6.5	6.5	6.5
Sound pressure level EN 60335-2-69	dB(A)	78	78	78
Uncertainty K = 1 dB(A)				
Weight	kg	8.6	8	7.4
Dimensions (L × W × H)	mm	375 × 360 × 735	375 × 360 × 645	375 × 360 × 520
Equipment				
Suction hose	m	2.5 / with bend	2.5 / with bend	2.5 / with bend
Suction tubes, metal 2 × 0.5 m		■	■	■
Stainless steel container		■	■	■
Crevice nozzle		■	■	■
Filter bag		Paper	Paper	Paper
Wet and dry floor nozzle	mm	360	360	360
Dry floor nozzle	mm	360	360	360
Order No.		1.428-538.0	1.428-568.0	1.428-548.0
Price				

■ Included in delivery.

SAFETY VACUUM CLEANERS

Built for explosive dust

Our explosion-proof wet and dry vacuum cleaners are approved for danger class Zone 22 and are thus ideal for use in potentially explosive atmospheres and for vacuuming explosive dust.



1 Zone 22 + dust class M

- For combustible dusts in dust explosion classes, Zone 22 and health-endangering dusts, namely class M.

2 Safety first

- The NT 80/1 B1 M S features automatic water level control and can only be operated with a sufficient water level.

3 Antistatic system

- All Kärcher safety vacuum cleaners feature a continuous antistatic system with conductive accessories.

4 Variable speed control

- The brushless EC drive has a life expectancy of 5,000 hours – ideal for continuous use.

TECHNICAL DATA AND EQUIPMENT

NT 75/1 Me Ec H Z22

NT 80/1 B1 M S

- Brushless EC drive (5,000 h)
- Antistatic system
- Suitable for asbestos

- Antistatic system
- Stainless steel container
- For drive load powder residue

Technical data

Air flow	l/s	61	56
Vacuum	mbar / kPa	220 / 22	235 / 23.5
Container capacity	l	75	80
Max. rated input power	W	1000	1380
Voltage	V	220-240	220-240
Standard nominal width		ID 40	ID 40
Cable length	m	10	10
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	76	70
Weight	kg	24.8	32
Dimensions (L × W × H)	mm	640 × 540 × 925	660 × 520 × 1078

Equipment

Suction hose	m	4 / with bend	4 / with bend
Suction tube, metal, 1 × 1.0 m	■	■	■
Filter bag		Fleece	-
Safety filter set	■	■	■
Wet and dry floor nozzle	mm	360	370
Crevice nozzle	■	■	■
Stainless steel container	■	■	■
Flat pleated filter		Fibreglass	-
Order No.		1.667-239.0	1.667-267.0
Price			

- Included in delivery.

SAFETY VACUUM CLEANERS



The specialists for dangerous dusts

Safety vacuum cleaners in dust class H are designed to safely vacuum carcinogenic and other pathogenic dusts such as asbestos. With 99.995% dust retention capacity, antistatic system and electrically conductive accessories, our H safety vacuum cleaners ensure absolute safety and convenient operation.



1 Hose selector switch

- The diameter of the connected suction hose can be selected in the operating field.

2 Approved for asbestos dust

- Only dust class H safety vacuum cleaners approved with the additional test for asbestos (according to TRGS 519) may be used for dust containing asbestos in Germany. Our H class safety vacuum cleaners have this approval.

NT 75/1 Tact Me Te H

NT 45/1 Tact Te H

NT 35/1 Tact Te H

		NT 75/1 Tact Me Te H	NT 45/1 Tact Te H	NT 35/1 Tact Te H
		<ul style="list-style-type: none"> ■ Antistatic system ■ Automatic on/off switch ■ Suitable for asbestos 	<ul style="list-style-type: none"> ■ Antistatic system ■ Automatic on/off switch ■ Suitable for asbestos 	<ul style="list-style-type: none"> ■ Antistatic system ■ Automatic on/off switch ■ Suitable for asbestos
Technical data				
Air flow	l/s	74	74	74
Vacuum	mbar / kPa	254 / 25.4	254 / 25.4	254 / 25.4
Container capacity	l	75	45	35
Max. rated input power	W	1000	1000	1000
Voltage	V	220-240	220-240	220-240
Standard nominal width	ID 35	ID 35	ID 35	ID 35
Rubber power cable length	m	10	7.5	7.5
Sound pressure level EN 60335-2-69	dB(A)	67	67	67
Uncertainty K = 1 dB(A)				
Weight	kg	24.6	13.5	13
Dimensions (L × W × H)	mm	640 × 540 × 925	517 × 375 × 687	517 × 375 × 572
Equipment				
Suction hose with bend (electrically conductive)	m	2.5 / with bend	2.5 / with bend	2.5 / with bend
Suction tubes, stainless steel, 2 × 0.5 m		■	■	■
Filter bag		Paper	Fleece	Fleece
Safety filter set		■	■	■
Wet and dry floor nozzle	mm	360	300	300
Crevice nozzle		■	■	■
Flat pleated filter		Fibreglass	Fibreglass	Fibreglass
Order No.		1.667-294.0	1.145-838.0	1.184-858.0
Price				

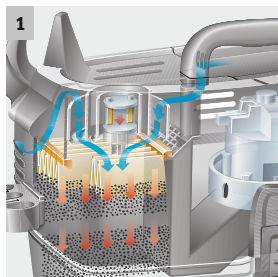
■ Included in delivery.

SAFETY VACUUM CLEANERS

Dust under control



Fine dusts that can be inhaled and that may be harmful to health can form on construction sites and during renovation works. With Kärcher's dust class M safety vacuum cleaners, these dusts can be vacuumed safely – and, thanks to the Tact system, in large quantities.



1 Tact system (Tact Automatic Filter Cleaning System)

- Fully automatic and the filter cleans itself with powerful blasts of air without losing suction.
- Our Tact vacuum cleaner offers the only filter cleaning system on the market with a filter life of at least 130 kg of fine dust.

2 Electronic volume flow monitoring

- For maintaining the legally prescribed air speed of 20 m/s for safety vacuum cleaners.

NT 55/1 Tact Te M			NT 45/1 Tact Te M			NT 35/1 Tact Te M		
			<div><div></div>Antistatic system</div> <div><div></div>Automatic on/off switch</div> <div><div></div>Electronic volume flow monitoring</div>			<div><div></div>Antistatic system</div> <div><div></div>Automatic on/off switch</div> <div><div></div>Electronic volume flow monitoring</div>		
Technical data								
Air flow	I/s	74	74	74				
Vacuum	mbar / kPa	254 / 25.4	254 / 25.4	254 / 25.4				
Container capacity	l	55	45	35				
Max. rated input power	W	1380	1380	1380				
Voltage	V	220–240	220–240	220–240				
Standard nominal width		ID 35	ID 35	ID 35				
Rubber power cable length	m	7.5	7.5	7.5				
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	67	67	67				
Weight	kg	17.2	13.5	13				
Dimensions (L × W × H)	mm	580 × 375 × 864	517 × 375 × 687	517 × 375 × 572				
Equipment								
Suction hose	m	2.5 / with bend	2.5 / with bend	2.5 / with bend				
Suction tubes, stainless steel, 2 × 0.5 m		■	■	■				
Filter bag		Fleece	Fleece	Fleece				
Wet and dry floor nozzle	mm	300	300	300				
Crevice nozzle		■	■	■				
Flat pleated filter		Paper	Paper	Paper				
Order No.		1.146-823.0	1.145-837.0	1.184-857.0				
Price								

■ Included in delivery.

SPECIAL VACUUMS



Integrated wastewater pump

Professional wet and dry vacuum cleaner with integrated disposal pump for industry, contract cleaners and fire brigades. With its electrical safety features, the new NT 611 Mwf is state-of-the-art and fulfils even the strictest safety requirements of fire brigades.



1 Integrated accessory storage

- Large bumper with accessory storage.

2 Integrated wastewater pump

- Large quantities of liquid can be disposed of via the disposal pump to allow continuous use.

NT 611 Mwf

NT 611 ECO K

- With dirty water pump
- IP68 connector; PRCD-K switch
- C-coupling with shut-off valve

- Filter cleaning mechanism
- For dry vacuuming (with optional filter)
- With integrated wastewater pump

Technical data

Air flow	l/s	57	57
Vacuum	mbar / kPa	235 / 23.5	235 / 23.5
Container capacity	l	55	55
Max. rated input power	W	2350	2350
Voltage	V	220-240	220-240
Disposal pump power rating	W	800	800
Standard nominal width		ID 40	ID 40
Cable length	m	10	10
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	63	63
Weight	kg	23	23
Dimensions (L × W × H)	mm	625 × 465 × 910	350 × 725 × 525

Equipment

Suction hose	m	4 / with bend	4 / with bend
Suction tubes, metal 2 × 0.5 m	■	■	■
Wet and dry floor nozzle	mm	370 / Aluminium	360
Crevice nozzle	■	■	■
Coarse filter for wet vacuuming	■	■	■
Order No.		1.146-601.0	1.146-209.0
Price			

- Included in delivery.

SPECIAL VACUUMS



Special vacuum cleaners for special cleaning tasks

The Bs model series features heat-resistant containers and PES flat pleated filters in dust class M – ideal for bakeries for example. With Tact system for constant suction power.



1 The vacuum cleaner for bakeries

- The plastic container is acid, lye and heat resistant.
- The optional accessory kits were developed specially for use in bakeries.

2 Heat-resistant PES flat pleated filter

- The machine has a heat-resistant PES flat pleated filter, dust class M – ideal for effortless removal of dust and dirt in bakeries.

NT 55/1 Tact Bs

NT 35/1 Tact Bs

- Antistatic preparation
- Tact Automatic Filter Cleaning System
- Accessory holder for oven nozzle

- Antistatic preparation
- Tact Automatic Filter Cleaning System
- Accessory holder for oven nozzle

Technical data

Air flow	l/s	61	61
Vacuum	mbar / kPa	230 / 23	230 / 23
Container capacity	l	55	35
Max. rated input power	W	1380	1380
Voltage	V	220-240	220-240
Standard nominal width		ID 35	ID 35
Cable length	m	7.5	7.5
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	63	63
Weight	kg	15	12.8
Dimensions (L × W × H)	mm	580 × 375 × 865	580 × 375 × 517

Equipment

Flat pleated filter	PES	PES
Order No.	1.146-700.0	1.184-700.0
Price		

ACCESSORIES FOR UNLIMITED APPLICATIONS

Kärcher wet and dry vacuum cleaners feature exemplary functionality and safety – and remove dirt and liquids without residue. The comprehensive range of accessories makes the vacuum cleaners suitable for a wide range of tasks. Because only the perfect interplay of machine and optimally adapted accessories guarantees maximum cleaning performance and the best results. All accessories can be stored safely on the machine – for easy access.



Table of contents: Accessories for wet and dry vacuum cleaners

Target-group-specific accessory kits	Page	262
Filter bags	Page	264
Filters	Page	266
Suction nozzles, suction tubes and bends	Page	268
Connecting adapters	Page	276
Suction hoses	Page	278
Other accessories	Page	282



1 Easy to use

The smarter and better the individual parts interlock, the easier the work is. With the new wet and dry accessories, we have completely redesigned all interfaces. The result: all accessories can now be separated and joined much more quickly and easily, while the connections are even sturdier.

2 Optimal accessory storage

What use is the best accessory if in practice the user always has to search for it? With our wet and dry vacuum cleaners, all standard accessories are ready to hand and securely stored at all times directly on and in the machine. For example, the crevice nozzle and special tool adapter are integrated on the side in the machine head. Just as clever is the new, flexible hose storage for hoses in different lengths and diameters.

3 Metal nozzles

For particularly tough applications, metal and aluminium nozzles are available as special accessories.

4 Vacuuming without a filter bag

Flat pleated filters and cartridge filters enable all wet and dry vacuum cleaners to be used for vacuuming without filter bags. This reduces costs and allows longer periods of uninterrupted use.

5 Optimal connections

With its flexible rubber attachment, the new special tool adapter fits all common power tools perfectly. The suction power is conveniently adjusted using a rotating ring directly on the adapter.

6 Better filtration means more economical filtration

Kärcher fleece filter bags are more economical: double the dust intake capacity compared with paper filter bags, 10% better separation degree and long life reduce material costs considerably.

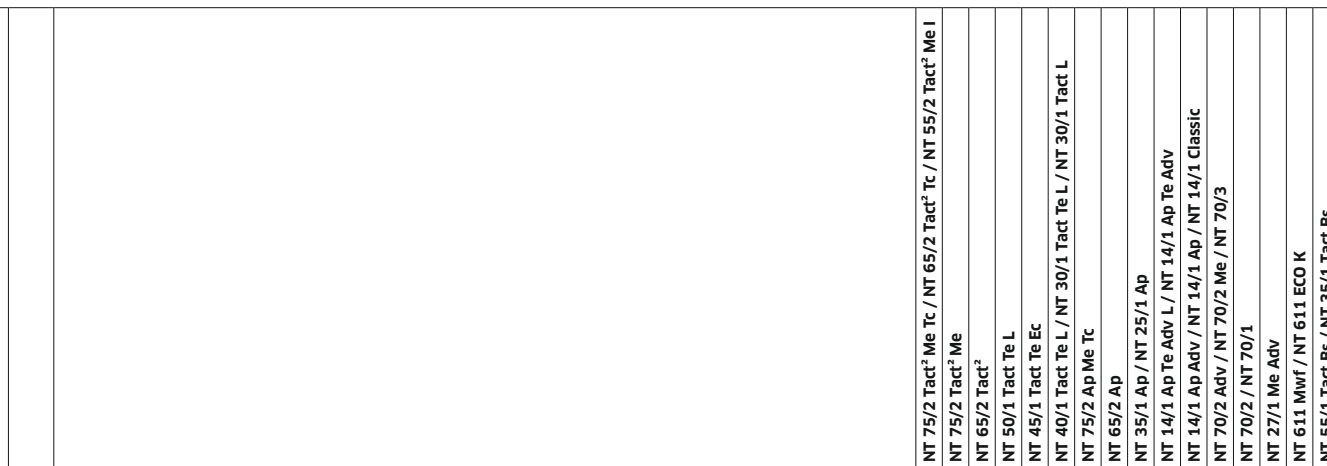
TARGET-GROUP-SPECIFIC ACCESSORY KITS



From heating boilers to vehicle cleaning: Kärcher accessory kits offer the right equipment for specific uses, transforming vacuums into special vacuums in next to no time.

		Order No.	ID	Price	Description
Target-group-specific accessory kits for vacuum cleaners					
Wet and dry vacuuming kit, ID 40, electrically conductive	1	2.638-147.0	ID 40		Wet and dry vacuuming kit, electrically conductive.
Horse kit, electrically conductive	2	2.637-248.0	ID 40		Horse kit, electrically conductive.
Accessory kit for sanding, electrically conductive	3	2.862-167.0	ID 27		Accessory kit for power tools, electrically conductive.
Omnibus kit attachment kit	4	2.640-560.0	ID 40		Omnibus kit attachment kit.
Oven kit	5	2.640-341.0	ID 35		Oven kit.
Baker's kit, electrically conductive	6	2.640-436.0	ID 40		Bakery kit, electrically conductive.
Universal kit for industrial and commercial use	7	2.637-595.0	ID 35		Universal kit for industrial and commercial use.
Heating boiler cleaning kit	8	2.638-852.0	ID 35		Heating boiler cleaning kit.
Construction kit	9	2.637-352.0	ID 40		Construction kit.
Professional cleaning kit	10	2.637-353.0	ID 40		Professional cleaning kit.
Car cleaning accessory kit	11	2.862-166.0	ID 35		Car cleaning kit.
Fire brigade kit	12	2.637-360.0	ID 40		Fire brigade kit.
Industrial kit	13	2.637-355.0	ID 61		Industrial kit.
Swarf kit	14	2.640-760.0	ID 61		Swarf kit.

☐ Available accessories. More Kärcher original accessories can be found on the following pages.

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FILTER BAGS



With Kärcher filter bags made from paper and fleece material, dry dirt and dust can be disposed of conveniently.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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FILTERS



The ideal filter for every application: Kärcher flat pleated filters are available in a variety of materials – from standard cellulose filters to PTFE filters for problem dusts like moist concrete.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

SUCTION NOZZLES, SUCTION TUBES AND BENDS



Only the right accessories in the right combination make a vacuum cleaner the ideal machine. Every cleaning task can be carried out using efficient and durable floor nozzles and small nozzles.

		Order No.	Quantity	ID	Length	Width	Price	Description
Car cleaning nozzles								
Car nozzle	1	6.900-952.0	1 piece(s)	ID 40		90 mm		Plastic.
	2	6.906-108.0	1 piece(s)	ID 35		90 mm		
Turbo nozzles								
Turbo upholstery nozzle	3	2.860-113.0	1 piece(s)	ID 32		160 mm		Upholstery nozzle, plastic, with reduction bushing ID 35/32.
Turbo floor nozzle	4	2.860-114.0	1 piece(s)	ID 32		270 mm		Floor nozzle, plastic, with reduction bushing ID 35/32, 270 mm.
Floor nozzles								
Wet and dry floor nozzle Adv	5	2.889-152.0	1 piece(s)	ID 35		360 mm		360 mm-wide wet and dry floor nozzle with easy-to-change inserts. Including brush strips and squeegees.
Wet and dry floor nozzle	6	2.889-118.0	1 piece(s)	ID 35		400 mm		Multi-purpose nozzle (ID 35) for wet vacuum cleaning of large areas. The squeegee and brush can be replaced quickly and easily.
Wet and dry floor nozzle Adv	7	2.889-153.0	1 piece(s)	ID 40		360 mm		360 mm-wide wet and dry floor nozzle with easy-to-change inserts, squeegees.
Wet and dry floor nozzle	8	6.907-512.0	1 piece(s)	ID 35		400 mm		Multi-purpose nozzle (ID 35) for wet vacuum cleaning of large areas. The squeegee and brush can be replaced quickly and easily.
	9	2.889-117.0	1 piece(s)	ID 40		400 mm		The wet and dry floor nozzle (ID 40) enables a quick squeegee/brush change and is suitable for wet vacuum cleaning of large areas.
	10	6.907-510.0	1 piece(s)	ID 40		400 mm		
Floor nozzle, wet	11	9.770-880.0	1 piece(s)	ID 40		360 mm		Wet and dry floor nozzle
Floor nozzle, dry	12	9.770-949.0	1 piece(s)	ID 40		350 mm		Plastic dry floor nozzle with side rollers and brush strips.
Wet and dry floor nozzle	13	9.770-645.0	1 piece(s)	ID 40		360 mm		Plastic, with rollers, ID 40.
	14	4.763-244.0	1 piece(s)	ID 40		360 mm		Multi-purpose nozzle (ID 40), plastic, 360 mm working width. With side rollers, brush strips (6.905-878.0) and squeegees (6.905-877.0).
Wet and dry floor nozzle, non-interchangeable	15	4.130-399.0	1 piece(s)	ID 40		450 mm		Aluminium floor nozzle, grounded, non-interchangeable, 450 mm, height-adjustable. As a standard accessory for NT 80/1 B1 M S and optional for NT 75/1 Me Ec H Z22.
Wet and dry floor nozzle	16	6.906-512.0	1 piece(s)	ID 35		300 mm		Plastic with rollers, brush strips (6.903-278.0), squeegees (6.903-277.0).

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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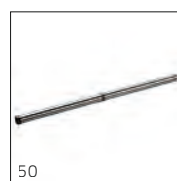
		Order No.	Quantity	ID	Length	Width	Price	Description
Multi-purpose nozzle, wet/dry	17	6.903-018.0	1 piece(s)	ID 40		370 mm		Aluminium with height-adjustable rollers, brush strips (6.903-064.0) and squeegees (6.903-081.0, oil-resistant).
	18	6.906-383.0	1 piece(s)	ID 40		450 mm		Aluminium with height-adjustable rollers, brush strips (6.903-065.0) and squeegees (6.906-146.0).
	19	6.906-384.0	1 piece(s)	ID 35		370 mm		Aluminium with height-adjustable rollers, brush strips (6.903-064.0) and squeegees (6.903-081.0, oil-resistant).
	20	6.906-513.0	1 piece(s)	ID 35		360 mm		Plastic with rollers, brush strips (6.905-878.0) and squeegees (6.905-877.0).
	21	6.906-554.0	1 piece(s)	ID 40		360 mm		
Combi-nozzles, dry								
Combi-nozzle, dry	22	6.906-511.0	1 piece(s)	ID 35		270 mm		Plastic with stainless steel soleplate, switchable, with ID 35 connection.
	23	6.906-639.0	1 piece(s)	ID 35		262 mm		Plastic with stainless steel soleplate, switchable. Only suitable for CV and wet and dry vacuum cleaners.
Radiator brushes								
Heater brush	24	6.903-034.0	1 piece(s)	ID 35				Plastic, for crevice nozzle (6.900-385.0).
Oven nozzles								
Oven nozzle	25	4.130-104.0	1 piece(s)	ID 35		350 mm		Aluminium, for oven cleaning with squeegee 6.900-517.0 and support lip 6.900-518.0, each × 2.
	26	4.130-173.0	1 piece(s)	ID 35		350 mm		For cleaning ovens with scraper.
Crevice nozzles								
Crevice nozzle NT Tact ID 35	27	2.889-159.0	1 piece(s)	ID 35	225 mm			Crevice nozzle ID 35, for new Tact range.
Crevice nozzle NT Tact ID 40	28	2.889-160.0	1 piece(s)	ID 40	225 mm			Crevice nozzle ID 40, for new Tact range.
Crevice nozzle	29	9.770-877.0	1 piece(s)	ID 40	300 mm			Plastic.
	30	9.770-638.0	1 piece(s)	ID 35	250 mm			
	31	6.900-385.0	1 piece(s)	ID 35	210 mm			
	32	6.900-922.0	1 piece(s)	ID 35	500 mm			Metal.
	33	6.903-033.0	1 piece(s)	ID 40	290 mm			Plastic.
	34	6.905-817.0	1 piece(s)	ID 40	400 mm			Metal.
	35	4.763-243.0	1 piece(s)	ID 40	290 mm			Plastic, non-interchangeable.
	36	6.906-240.0	1 piece(s)	ID 35	250 mm			Plastic.
Pipe dusting nozzles								
Pipe brush 35/100	37	6.903-035.0	1 piece(s)	ID 35				Plastic, tube diameter 100 mm.
Pipe brush 35/200	38	6.903-036.0	1 piece(s)	ID 35				Plastic, tube diameter 200 mm.
Suction brushes								
Suction brush	39	6.903-862.0	1 piece(s)	ID 35		70 mm		Natural bristles (cow hair), rotatable.
	40	6.903-887.0	1 piece(s)	ID 32		70 mm		Plastic brush, rotatable.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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		Order No.	Quantity	ID	Length	Width	Price	Description
Rubber suction tools, nose 45°								
Rubber suction tool, nose 45°	41	6.902-104.0	1 piece(s)	ID 35	220 mm			For vacuuming machines, oil-resistant.
	42	6.902-105.0	1 piece(s)	ID 40	220 mm			
Wide nozzles								
Wide nozzle	43	4.130-029.0 ■	1 piece(s)	ID 40		611 mm		For vacuuming large areas with the NT 50/1 Tact Te L.
	44	4.130-432.0	1 piece(s)	ID 40		644 mm		For vacuuming large areas in combination with NT 70/1, NT 70/2 or NT 70/3. (Included with NT 70/2 Professional.)
	45	4.130-401.0	1 piece(s)	ID 40		611 mm		Metal, height-adjustable, with brush strip set 6.906-751.0 and rubber strip set 6.906-750.0 for NT 55/1 Tact and NT 611 Eco.
	46	4.130-400.0	1 piece(s)	ID 40		611 mm		Metal, height-adjustable, brush strips, squeegees (for Tc variants). (Also for NT 72/2 Eco Tc).
Micro sprayer sets								
Nozzle kit	47	2.860-116.0	1 piece(s)	ID 35				Crevice nozzle, upholstery nozzle, round brush, electrically conductive.
All-purpose brushes								
All-purpose brush	48	6.900-425.0	1 piece(s)	ID 35	120 mm			Plastic, hard transparent bristles, 120 × 45 mm.
Multi-purpose brush, non-interchangeable	49	4.763-242.0	1 piece(s)	ID 40	120 mm			Natural bristles (cow hair), bristle attachment 120 × 45 mm, non-interchangeable screw connection.
Suction tubes, stainless steel								
Suction tube	50	6.902-154.0	1 piece(s)	ID 35	0.5 m			Mainly for wet vacuuming or for vacuuming corrosive media.
Suction tube set	51	2.889-175.0 ■	2 piece(s)	ID 35	0.55 m			Stainless steel suction tube set (2 × 0.55 m).
	52	2.889-182.0 ■	2 piece(s)	ID 40	0.55 m			
Suction tube	53	6.902-081.0	1 piece(s)	ID 40	0.5 m			For use in wet, damp environments or for wet vacuuming.
	54	6.906-531.0	1 piece(s)	ID 40	1 m			
Suction tubes, plastic								
Suction tube	55	6.900-384.0	1 piece(s)	ID 35	0.5 m			Plastic.
Suction tubes, metal								
Suction tube	56	6.900-514.0	1 piece(s)	ID 35	0.5 m			Metal, chrome-plated.
	57	6.900-275.0	1 piece(s)	ID 40	0.5 m			
		58	6.902-152.0	1 piece(s)	ID 35	0.33 m		
Suction tube, non-interchangeable	59	4.025-372.0	1 piece(s)	ID 40	1 m			Metal, chrome-plated – non-interchangeable with screw connection. Only suitable for use with NT 80/1 B1 M, NT 80/1 B1 M S and NT 75/1 Me Ec H Z22.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.



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		Order No.	Quantity	ID	Length	Width	Price	Description
Bends, stainless steel								
Bend, stainless steel, ID 35	60	6.903-141.0	1 piece(s)	ID 35				Stainless steel.
	61	6.902-079.0	1 piece(s)	ID 40				
Bend, plastic								
Bend Adv	62	2.889-170.0 ■	1 piece(s)	ID 35				Ergonomic bend for the new clip system.
	63	2.889-148.0 ■	1 piece(s)	ID 35				
Bend Adv, electrically conductive	64	2.889-168.0 ■	1 piece(s)	ID 35				
Bend, plastic	65	5.031-718.0	1 piece(s)	ID 35				Plastic with C 35 clip system.
Bend, plastic, electrically conductive	66	5.031-939.0	1 piece(s)	ID 35				Plastic, ID 35 with C 35 clip system, electrically conductive.
Bend, plastic	67	6.902-009.0	1 piece(s)	ID 35				Plastic, ID 35.
Bend, plastic, electrically conductive	68	5.032-427.0	1 piece(s)	ID 40				Plastic, with C 40 clip system, electrically conductive.
PFC module, C 35	69	4.060-420.0	1 piece(s)	ID 35				For activating semi-automatic filter cleaning.
Bend, plastic, antistatic	70	5.033-583.0	1 piece(s)	ID 35				Plastic, C 35 clip system, anti-static design.
Bend, plastic	71	4.408-051.0	1 piece(s)	ID 32				Plastic with C 32 clip system.
	72	5.031-904.0	1 piece(s)	ID 40				Plastic with C 40 clip system.
PFC module, C-35, electrically conductive	73	4.060-478.0	1 piece(s)	ID 35				For activating semi-automatic filter cleaning, electrically conductive.
Bends, metal								
Bend, metal	74	6.900-519.0	1 piece(s)	ID 35				Metal, ID 35.
	75	6.900-276.0	1 piece(s)	ID 40				Metal, ID 40.
Bend, metal, non-interchangeable	76	4.036-032.0	1 piece(s)	ID 40				Non-interchangeable bend ID 40, for type-Z22 safety vacuum cleaners.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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ADAPTERS



With connection adapters from Kärcher, suction hoses can be connected to all conventional power tools.

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■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

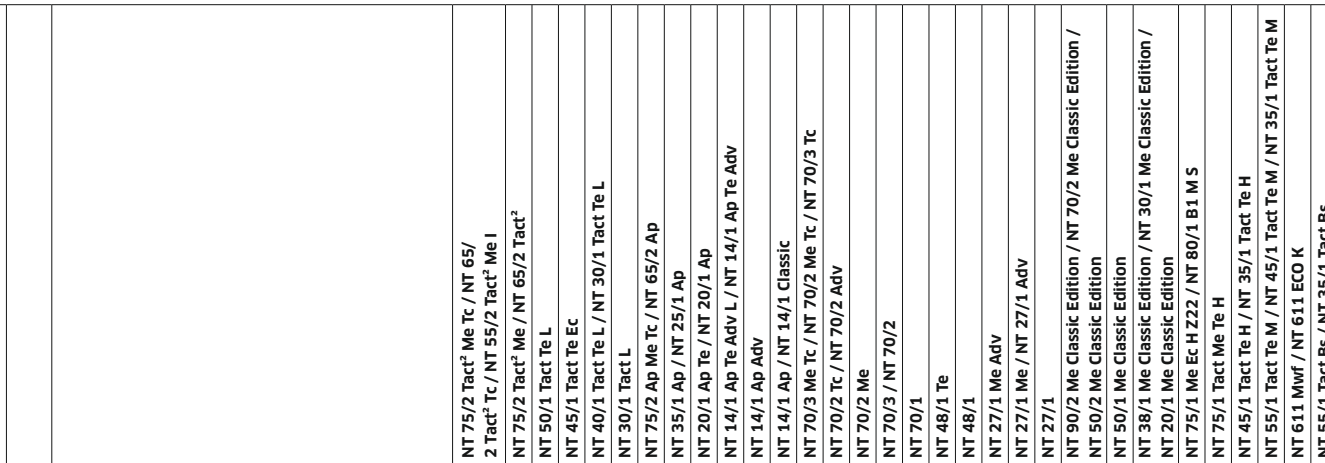
SUCTION HOSES



Extension hoses with the Kärcher clip system enable many hoses to be extended to the required length in a matter of seconds.

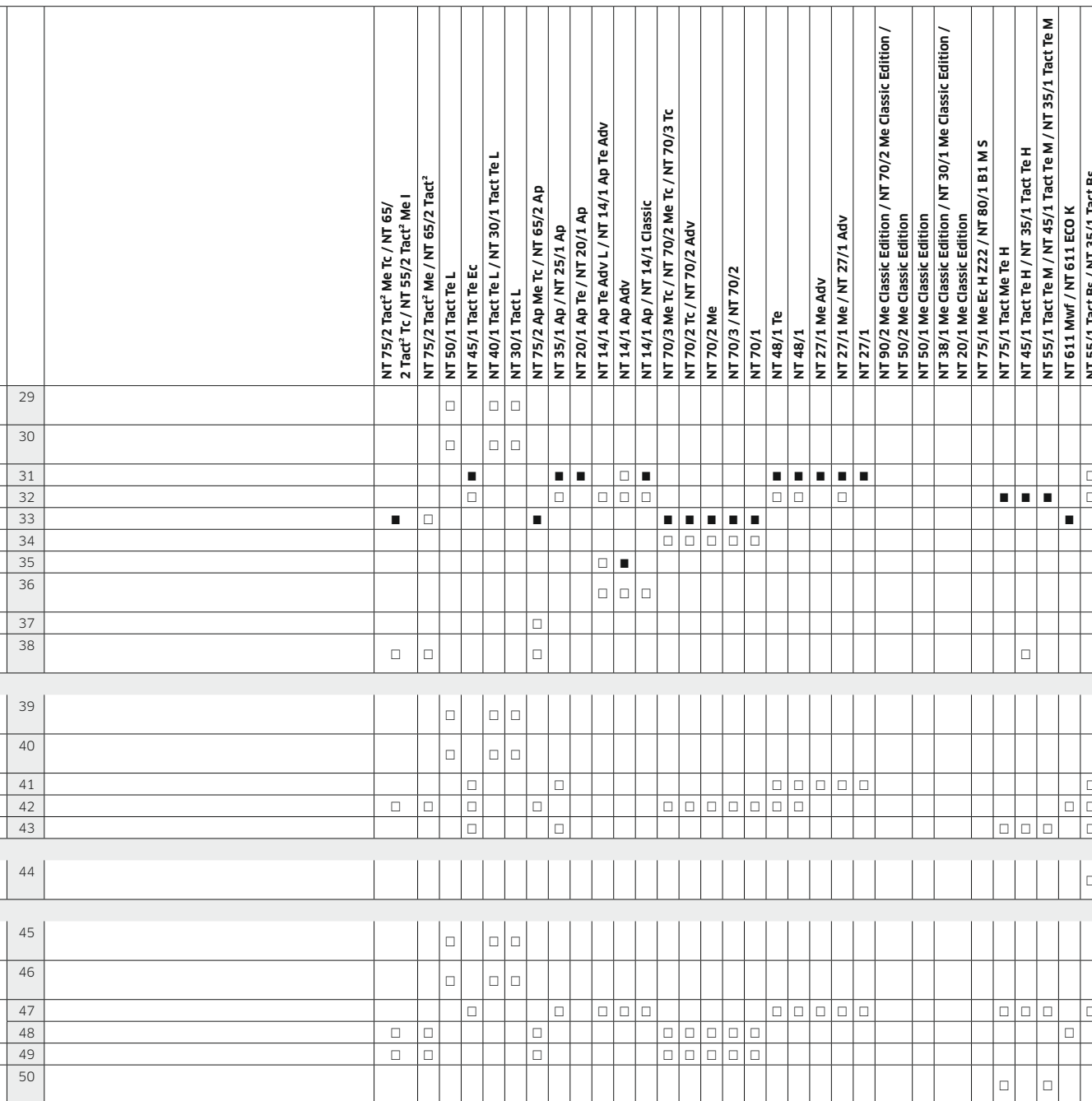
		Order No.	Quantity	ID	Length	Price	Description
Suction hoses, complete							
Suction hose, complete	1	4.440-263.0	1 piece(s)	ID 40	4 m		Plastic.
	2	4.440-303.0	1 piece(s)	ID 40	4 m		Oil-resistant.
	3	4.440-463.0	1 piece(s)	ID 40	10 m		Plastic.
	4	4.440-466.0	1 piece(s)	ID 40	10 m		Electrically conductive, plastic.
Suction hose, complete, oil-resistant	5	4.440-612.0	1 piece(s)	ID 40	10 m		Oil-resistant.
Suction hose with cone connection	6	2.889-143.0	1 piece(s)	ID 50	4 m		Suction hose with new bayonet fastener and cone connection to bend. Length: 4 m.
Suction hose, oil-resistant, with cone connection	7	2.889-144.0	1 piece(s)	ID 50	4 m		Suction hose, 4 m-long, oil-resistant. With new bayonet fastener and cone connection to bend.
Suction hose, complete	8	9.770-881.0	1 piece(s)	ID 40	2.5 m		Plastic.
	9	9.755-263.0	1 piece(s)	ID 35	2.5 m		Plastic, with bend.
	10	4.440-287.0	1 piece(s)	ID 35	4 m		Plastic.
Suction hose, complete, 120°C	11	4.440-339.0	1 piece(s)	ID 35	2.5 m		Temperature resistant to 120°C.
Suction hose, complete	12	4.440-264.0	1 piece(s)	ID 61	4 m		Plastic.
	13	4.440-328.0	1 piece(s)	ID 61	3 m		Industrial hose, PVC / elastomer with steel spiral, smooth inside.
	14	4.440-467.0	1 piece(s)	ID 61	10 m		Plastic.
Suction hose, complete, oil-resistant	15	4.440-613.0	1 piece(s)	ID 61	4 m		Oil-resistant.
	16	4.440-614.0	1 piece(s)	ID 61	10 m		
Suction hose, complete, electrically conductive	17	4.440-616.0	1 piece(s)	ID 61	4 m		Electrically conductive.
Suction hose, complete	18	4.440-446.0	1 piece(s)	ID 27	3.5 m		Plastic, with connection bushing for power tools.
	19	4.440-461.0	1 piece(s)	ID 27	7 m		
Suction hose, complete, non-interchangeable, electrically conductive	20	4.440-558.0	1 piece(s)	ID 40	4 m		Electrically conductive ID 40, 4 m, with non-interchangeable screw connections.
	21	4.440-815.0	1 piece(s)	ID 40	8 m		Electrically conductive ID 40, 8 m, with non-interchangeable screw connections.
Complete suction hoses (clip system)							
Suction hose	22	2.889-135.0	1 piece(s)	ID 35	4 m		4 m-long suction hose with new bayonet and clip fastener.
	23	2.889-134.0	1 piece(s)	ID 35	2.5 m		2.5 m-long suction hose with new bayonet and clip fastener.
Electrically conductive suction hose	24	2.889-136.0	1 piece(s)	ID 35	2.5 m		Electrically conductive suction hose with new bayonet and clip fastener. Length: 2.5 m.
	25	2.889-137.0	1 piece(s)	ID 35	4 m		4 m-long suction hose with new bayonet and clip fastener. Electrically conductive.
Suction hose	26	2.889-138.0	1 piece(s)	ID 40	4 m		4 m-long suction hose with new bayonet and clip fastener.
	27	2.889-139.0	1 piece(s)	ID 40	2.5 m		Suction hose with new bayonet and clip fastener. Length: 2.5 m.
Suction hose, oil-resistant	28	2.889-140.0	1 piece(s)	ID 40	4 m		Oil-resistant suction hose with new bayonet and clip fastener. Length: 4 m.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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		Order No.	Quantity	ID	Length	Price	Description
Suction hose, electrically conductive	29	2.889-141.0 ■	1 piece(s)	ID 40	4 m		4 m-long, electrically conductive suction hose with new bayonet and clip fastener.
	30	2.889-142.0 ■	1 piece(s)	ID 40	2.5 m		Suction hose, electrically conductive, with new bayonet and clip fastener. 2.5 m-long.
Suction hose	31	4.440-626.0	1 piece(s)	ID 35	2.5 m		With bend, C ID 35.
Suction hose, electrically conductive	32	4.440-653.0	1 piece(s)	ID 35	2.5 m		With bend, electrically conductive, C ID 30.
Suction hose	33	4.440-678.0	1 piece(s)	ID 40	4 m		With bend, C ID 40.
Suction hose + ID 40 bushing	34	4.440-784.0	1 piece(s)	ID 40	16 m		C ID 40, 16 m, with bayonet connection and straight sleeve.
Suction hose + PFC module	35	4.440-627.0	1 piece(s)	ID 35	2.5 m		With bend and module (4.060-420.0).
Suction hose + PFC module, electrically conductive	36	4.440-654.0	1 piece(s)	ID 35	2.5 m		With bend and module (4.060-478.0), electrically conductive.
Suction hose + PFC module	37	4.440-679.0	1 piece(s)	ID 40	4 m		With bend and module (4.060-474.0).
Suction hose + PFC module, electrically conductive	38	4.440-728.0	1 piece(s)	ID 40	4 m		With bend and module (4.060-533.0), electrically conductive.
Extension hoses (clip system)							
Extension hose	39	2.889-145.0 ■	1 piece(s)	ID 35	2.5 m		Extension hose for new clip system ID 35. Length: 2.5 m.
	40	2.889-146.0 ■	1 piece(s)	ID 40	2.5 m		Extension hose for new clip system ID 40. Length: 2.5 m.
	41	6.906-237.0	1 piece(s)	ID 32	2.5 m		For all C-32 and C-35 hoses.
	42	6.906-344.0	1 piece(s)	ID 40	2.5 m		For all C-40 hoses.
Extension hose, electrically conductive	43	6.906-277.0	1 piece(s)	ID 32	2.5 m		For all C-32 and C-35 hoses, electrically conductive.
Special hoses							
Special suction hose, heat-resistant	44	4.440-731.0	1 piece(s)	ID 35	2.5 m		Special suction hose, ID 35, 2.5 m, e.g. for oven cleaning, temperature-resistant up to 350°C, plastic, metal.
Repair kits							
Repair kit, ID 35	45	2.889-149.0 ■	1 piece(s)	ID 35			Repair kit, ID 35, for the new clip system.
Repair kit, ID 40	46	2.889-150.0 ■	1 piece(s)	ID 40			Repair kit, ID 40, for the new clip system.
Repair kit, C 35	47	2.639-682.0	1 piece(s)	ID 35			Suction hose repair kit (clip system).
Repair kit, C 40	48	2.639-873.0	1 piece(s)	ID 40			
Repair kit, ID 61	49	2.862-038.0	1 piece(s)	ID 61			Suction hose repair kit.
Repair kit, ID 35, electrically conductive	50	2.862-077.0	1 piece(s)	ID 35			Repair kit for suction hose, electrically conductive. Optional for NT 351 Eco/Profi, NT 551/BS/Profi.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.



OTHER ACCESSORIES



Large amounts of coarse dirt and liquids can be picked up and disposed of with a mobile separator.

		Order No.	Quantity	ID	Width	Price	Description
Other accessories							
CS 40 Me	1	2.863-026.0	1 piece(s)				Cyclone pre-separator for use with wet and dry vacuum cleaners for very large quantities of dust.
Drilling dust nozzle	2	2.679-000.0	1 piece(s)				Drill dust nozzle for dust-free vacuuming of boreholes. Suitable for dry and wet and dry vacuum cleaners from Kärcher.
Push handle for NT 40/1 Tact Te L	3	2.643-868.0	1 piece(s)				Ergonomic push handle for NT 40/1 Tact Te L.
Pre-separator, 80 l	4	3.864-010.0	1 piece(s)				Complete container (80 l) and lid (ID 61). For coarse dirt and liquids (without suction hose).
Drum separator	5	3.864-012.0	1 piece(s)				Metal, from ID 61 to 61, only for liquids.
Pre-separator cover	6	4.063-132.0	1 piece(s)				For container 4.070-111.0 and spacer 6.902-051.0.
Spacer for 200 l drum	7	6.902-051.0	1 piece(s)				Metal adapter for 200-litre EURO steel drum, in conjunction with lid (pre-separator) 4.063-132.0.
Toolbox strap	8	6.907-155.0	1 piece(s)		25 mm		For securing, e.g. toolboxes, power tools, etc.
Adapters and spare parts							
IVC accessories adapter for wet/dry vacuum cleaners	9	6.902-002.0	1 piece(s)	ID 52			For using IVC accessories on NT vacuum cleaners.
Modification kit, non-conductive media							
ABS non-conductive media	10	2.641-560.0	1 piece(s)				For switching off when vacuuming non-conductive fluids such as oils and greases.
Modification kit, non-conductive media	11	2.882-517.0	1 piece(s)				
Attachment kit, non-conductive media, Tact ² + Ap	12	2.642-602.0	1 piece(s)				

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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POWERFUL FOR THE MOST DEMANDING TASKS

With power ratings from 1.2 to 7.5 kW and container sizes from 30 to 120 litres, you will find the right machine for every application in our range of industrial vacuums. These powerful and reliable vacuum cleaners are ideal for non-stop operation. The machines are also available with dust explosion protection (Zone 22) and for dust classes M and H.



Table of contents: Industrial vacuums

Super class	Page 290
Middle class	Page 293
Compact class	Page 296
Ex vacuums	Page 301
Build-in units	Page 305
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**IVC Longopac**

The well-known Compact class, now with the Longopac disposal system as standard. Reliable vacuum cleaners for dry, pourable suction waste.

IVS, IVS Longopac, IVS Z22

The new generation of industrial vacuums in the highest performance class. Reliable endurance runner with ergonomic details for mobile and stationary operation. Vacuum start/stop also conveniently possible from a distance using the optional remote control.

IVR-L 120 and IVR-L 100

Tried-and-tested liquid and swarf vacuum now with a new drive head. A winner when it comes to ergonomics, safety and performance.

How to read the unit names:

Unit type	Container	Connection load	Motor	Version	Equipment
Example: IV	60	30		C	
IV = Industrial vacuum	Volume in litres	In kW/10 (without decimal point) e.g.: 30 = 3.0	-3 = 1-phase 3 motors	Ap: Manual or semi-automatic filter cleaning with/without flat pleated filter	Without designation: Standard equipment
IVS = Industrial vacuum, Super class			-2 = 1-phase 2 motors	Tact/Tact2: Fully automatic filter cleaning	Ex: Explosion protection
IVC = Industrial vacuum, Compact class			-1 = 1-phase 1 motor	Pf: Pocket filter	Tc: Tilting chassis
IV(R)-L = Industrial vacuum (Robust) Liquids			Without des. = 3-phases 1 motor		Me: Stainless steel (container)
IVR = Industrial vacuum, robust					Lp: With Longopac hose bag
IVR-B = Industrial vacuum, robust build-in units					Dp: Drum pump
					Ec: Longlife motor








Safety vacuum cleaners for explosive dusts: Z22 (formerly B1):
Dust explosion protection zone 22

Safety vacuum cleaners for dust classes:

H: Highly hazardous dusts (high hazard)

M: Medium hazard dusts

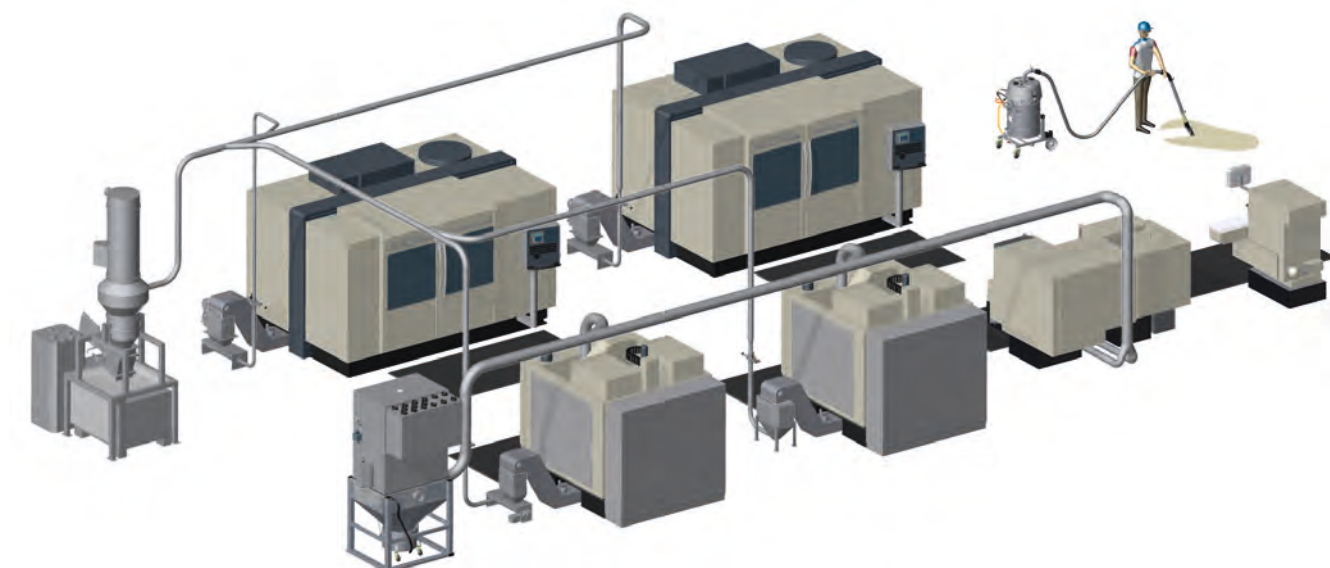
L: Slightly hazardous dusts (light hazard)

		Order No.	Price	Container capacity (l)	Supply voltage Ph/V/Hz	Rated input power (kW)	Air flow rate (l/s/m²/h)	Vacuum (mbar/kPa)	Flat pleated filter	Star/pocket filter	Cartridge filter	Surface filter	Container	Page	
	Super class														
	IVS 100/75 M	■	1.573-820.0		100	3 / 400 / 50	7.5	149 / 536	360 / 36	-	■	-	-	■	291
	IVS 100/55 M	■	1.573-720.0		100	3 / 400 / 50	5.5	139 / 500	250 / 25	-	■	-	-	■	291
	IVS 100/40 M	■	1.573-620.0		100	3 / 400 / 50	4.0	139 / 500	150 / 15	-	■	-	-	■	291
	IVS 100/75 Lp	■	1.573-821.0		100	3 / 400 / 50	7.5	149 / 500	360 / 36	-	■	-	-	-	291
	IVS 100/55 Lp	■	1.573-721.0		100	3 / 400 / 50	5.5	139 / 500	250 / 25	-	■	-	-	-	291
	IVS 100/40 Lp	■	1.573-621.0		100	3 / 400 / 50	4.0	139 / 500	150 / 15	-	■	-	-	-	291
	IVR 100/40 Pf		9.986-069.0		100	3 / 400 / 50	4.0	144 / 520	150 / 15	-	■	-	-	■	292
	Middle class														
	IV 60/30		1.573-500.0		60	3 / 400 / 50	3.0	64 / 230	220 / 22	-	■	-	-	-	293
	IV 60/36-3		1.573-300.0		60	1 / 220-240 / 50-60	3.6	2 × 56 / 403	235 / 23.5	-	■	-	-	-	293
	IV 60/24-2		1.573-200.0		60	1 / 220-240 / 50-60	2.4	2 × 56 / 403	235 / 23.5	-	■	-	-	-	293
	IVR 50/40 Pf		9.986-068.0		50	3 / 400 / 50	4.0	144 / 520	150 / 15	-	■	-	-	■	294
	IVR 40/30 Pf		9.986-067.0		40	3 / 400 / 50	3.0	89 / 320	260 / 26	-	■	-	-	■	294
	IVR 40/15 Pf		9.986-066.0		40	3 / 400 / 50	1.5	58 / 210	210 / 21	-	■	-	-	■	294
	IVR 35/20-2 Pf Me		9.986-065.0		35	1 / 220-240 / 50-60	2.0	100 / 360	220 / 22	-	■	-	-	■	295
	Compact class														
	IVC 60/30 Tact²		1.576-101.0		60	3 / 400 / 50	3.0	68 / 245	286 / 28.6	■	-	-	-	■	296
	IVC 60/30 Ap		1.576-107.0		60	3 / 400 / 50	3.0	68 / 245	286 / 28.6	■	-	-	-	■	296
	IVC 60/24-2 Tact²		1.576-100.0		60	1 / 220-240 / 50-60	2.4	2 × 74 / 533	254 / 25.4	■	-	-	-	■	297
	IVC 60/24-2 Ap		1.576-104.0		60	1 / 220-240 / 50-60	2.4	2 × 74 / 533	254 / 25.4	■	-	-	-	■	297
	IVC 60/24-2 Tact² M		1.576-105.0		60	1 / 220-240 / 50-60	2.4	2 × 74 / 533	254 / 25.4	■	-	-	-	■	297
	IVC 60/12-1 Tact Ec		1.576-102.0		60	1 / 220-240 / 50-60	1.2	62.5 / 225	244 / 24.4	■	-	-	-	■	299
	IVC 60/30 Tact² Lp	■	1.576-115.0		60	3 / 400 / 50	3.0	68 / 245	286 / 28.6	■	-	-	-	-	298
	IVC 60/24-2 Tact² Lp	■	1.576-114.0		60	1 / 220-240 / 50-60	2.4	2 × 74 / 533	254 / 25.4	■	-	-	-	-	298
	Ex vacuums														
	IVS 100/75 M Z22	■	9.987-900.0		100	3 / 400 / 50	7.5	149 / 536	360 / 36	-	■	-	-	■	303
	IVS 100/55 M Z22	■	9.987-899.0		100	3 / 400 / 50	5.5	139 / 500	250 / 25	-	■	-	-	■	303
	IVS 100/40 M Z22	■	9.987-898.0		100	3 / 400 / 50	4.0	139 / 500	150 / 15	-	■	-	-	■	303
	IV 60/30 M B1		1.573-551.0		60	3 / 400 / 50	3.0	64 / 230	220 / 22	-	■	-	-	-	301
	IV 60/27-1 M B1		1.573-151.0		60	1 / 220-240 / 50	2.7	56 / 202	162 / 16.2	-	■	-	-	-	301
	IVC 60/30 Ap M Z22		1.576-106.0		60	3 / 400 / 50	3.0	68 / 245	250 / 25	■	-	-	-	■	304
	IVC 60/12-1 Ec H Z22		1.576-103.0		60	1 / 220-240 / 50	1.2	62.5 / 225	244 / 24.4	■	-	-	-	■	304
	Build-in units														
	IVR-B 50/30		9.986-073.0		50	3 / 400 / 50	3.0	89 / 320	260 / 26	-	-	■	-	■	305
	IVR-B 30/15		9.986-072.0		30	3 / 400 / 50	1.5	58 / 210	210 / 21	-	-	■	-	■	305
	Liquid and swarf vacuums														
	IVR-L 100/30		9.986-064.0		100	3 / 400 / 50	3.0	89 / 320	260 / 26	-	-	-	■	■	306
	IVR-L 120/24-2 Tc Me Dp	■	9.987-890.0		120	1 / 220-240 / 50-60	2.4	148 / 532	235 / 23	-	-	-	■	■	307
	IVR-L 120/24-2 Tc Me	■	9.987-889.0		120	1 / 220-240 / 50-60	2.4	148 / 532	235 / 23	-	-	-	■	■	307
	IVR-L 120/24-2 Tc	■	9.987-888.0		120	1 / 220-240 / 50-60	2.4	148 / 532	235 / 23	-	-	-	■	■	307
	IVR-L 100/24-2 Tc Me Dp	■	9.987-887.0		100	1 / 220-240 / 50-60	2.4	148 / 532	235 / 23	-	-	-	■	■	309
	IVR-L 100/24-2 Tc Me	■	9.987-886.0		100	1 / 220-240 / 50-60	2.4	148 / 532	235 / 23	-	-	-	■	■	309
	IVR-L 100/24-2 Tc	■	9.987-885.0		100	1 / 220-240 / 50-60	2.4	148 / 532	235 / 23	-	-	-	■	■	309
	IVR-L 100/24-2 Me	■	9.987-884.0		100	1 / 220-240 / 50-60	2.4	148 / 532	235 / 23	-	-	-	■	■	309
	IVR-L 100/24-2	■	9.987-883.0		100	1 / 220-240 / 50-60	2.4	148 / 532	235 / 23	-	-	-	■	■	309
	IVR-L 65/12-1 Tc		9.986-055.0		65	1 / 220-240 / 50-60	1.2	60 / 215	230 / 23	-	-	-	■	■	310
	IVR-L 40/12-1		9.986-054.0		40	1 / 220-240 / 50-60	1.2	60 / 215	230 / 23	-	-	-	■	■	310
	IVL 50/24-2		1.573-952.0		50	1 / 220-240 / 50-60	2.4	2 × 56 / 403	235 / 23.5	-	-	■	-	■	311

■ NEW ■ Included in delivery.

FROM THE MOBILE MACHINE TO THE TURNKEY VACUUM SYSTEM

Whether flexibly mobile or a fixed stationary installation, for small or large quantities, liquid or solid, unproblematic or hazardous suction waste. The Kärcher industrial vacuum range offers solutions for countless vacuuming problems.



Mobile application in metal processing

A mixture of aggressive coolants and sharp-edged swarf often occurs as a waste product of metal cutting processes. If separated cleanly, both substances can be recycled.

For example, with an IVR-L in mobile use after the processing procedure.

Machine example: IVR-L 100/24-2 Tc

Accessory example: PU hose or ME-PU hose, swarf basket, bend and tube, floor nozzle, flexible crevice nozzle, elastic nozzle



Stationary application in the food industry

If equally numerous or large quantities of materials are generated in production, it makes sense to vacuum these during the manufacturing process.

Kärcher IVS and IVR machines can be integrated directly into the production process. For example, in the food industry for vacuuming ground coffee, breadcrumb coating residues, crumbs, dried fruit, etc.

Machine example: IVS 100/40

Accessory example: PVC hose directly connected to production machine, or manual suction



Mobile application in the chemical industry

The manufacturing of primary chemical products requires particular cleanliness in production. The types of waste that are generated are often hazardous to health or even explosive. With an explosion-proof IVS or IVC vacuum cleaner, production areas can be vacuumed safely.

Machine example: IVC 60/30 M Z22

Accessory example: PVC hose, bend and tube, floor nozzle, flexible crevice nozzle, elastic nozzle

Kärcher industrial vacuum application overview

Coarse, dry		Fine, dry		Explosive dusts		Liquids	
Ø 2-3 h/day	Ø up to 24 h/day	Ø 2-3 h/day	Ø up to 24 h/day	Ø 2-3 h/day	Ø up to 24 h/day	Ø 2-3 h/day	Ø up to 24 h/day
Automotive Industry/Machinery and Plant Engineering/Tool Manufacture/Metal Processing							
Metal shavings from machining (milling, drilling, punching)		Dust from metal processing		Paint dust		Cutting fluid from metal processing	
IVR-L 40 IVR-L 65 IVR-L 100/24-2 IVR-L 120	IVR-L 100/30 IVR-B	IVR 35	IVR 40 IVR 50 IVR 100 IVS 100		IVC 60 Z22 IV 60 B1 (Z22) IVS 100 Z22	IVR-L 40 IVR-L 65 IVR-L 100 IVR-L 120	IVR-L 100/30
Metallurgy and metal forming							
Slag				Flammable metal dust, e.g. iron			
IVR-L 40 IVR-L 65 IVR-L 100/24-2 IVR-L 120	IVR-L 100/30 IVR-B				IVS 100 Z22		
Cokery and mineral oil processing							
Lumps of coal				Coal (over days)			
IVR-L 40 IVR-L 65 IVR-L 100/24-2 IVR-L 120	IVR-L 100/30 IVR-B IVS 100				IVS 100 Z22		
Glass and stone processing							
Cullets, gravel, crushed stone		Gypsum, cement, concrete, glass dust				Slurries	
IVC 60/24-2 Ap IVR-L 40 IVR-L 65 IVR-L 100/24-2 IVR-L 120	IVC 60/30 Ap IVR-L 100/30 IVR-B IVS 100	IVC Tact ² IVR 35	IVC 60/30 Tact ² IVR 40 IVR 50 IVR 100 IVS 100			IVR-L 65 IVR-L 100 Tc IVR-L 120 Tc	IVR-L 100/30
Paper manufacture/Manufacture of print media							
Cardboard packaging		Cellulose fibres		Paper dust		Liquid colours, printing inks	
IVC 60/24-2 Ap	IVC 60/12-1 IVC 60/30 Ap IVS 100	IVC 60/24-2 Tact ²	IVC 60/12-1 Tact IVC 60/30 Tact ² IVS 100		IVC 60/30 Ap M Z22 IV 60 M B1 (Z22) IVS 100 Z22	IVC 60/24-2 IVL 50/24-2 IVR-L 100 IVR-L 120	IVC 60/30 IVR-L 100/30
Food industry							
Broken food products on production line, e.g. broken biscuits, chocolate		In the production process, e.g. ground coffee		Flour, sugar, coffee, powder foods		Food oil, drinks	
IVC 60/24-2 Ap	IVC 60/12-1 IVC 60/30 Ap		IVS 100		IVC 60 Z22 IV 60 B1 (Z22) IVS 100 Z22	IVC 60/24-2 IVL 50/24-2 IVR-L 100 Me IVR-L 120 Me	IVC 60/30
Production of starch and tobacco							
		Tobacco dust		Starch			
		IVC 60/24-2 Tact ²	IVC 60/12-1 Tact IVC 60/30 Tact ² IVS 100		IVC 60 Z22 IV 60 B1 (Z22) IVS 100 Z22		
Production of rubber and plastic							
Plastic granulate, plastic casting residues		Plastic dust				Water	
IVC 60/24-2 Ap	IVC 60/12-1 IVC 60/30 Ap IVS 100	IVC 60/24-2 Tact ² IVR 35 IV 60/24-2 IV 60/36-3	IVC 60/12-1 IVC 60/30 IVR 40 IVR 50 IVR 100 IV 60/30 IVS 100			IVC 60/24-2 IVL 50/24-2 IVR-L 100 Me IVR-L 120 Me	IVC 60/30
Wood processing/Furniture manufacture							
Coarse wood shavings and small pieces of wood				Wood dust			
IVC 60/24-2 Ap IVC 60/24-2 Tact ² M	IVC 60/30 Ap				IVC 60 Z22 IV 60 B1 (Z22) IVS 100 Z22		
Chemical industry							
Granulate		Plastic dust		Fertilisers, colour powder		Detergents, aggressive liquids	
IVC 60/24-2 Ap	IVC 60/12-1 IVC 60/30 Ap IVS 100	IVC 60/24-2 Tact ² IVR 35 IV 60/24-2 IV 60/36-3	IVC 60/12-1 IVC 60/30 IVR 40 IVR 50 IVR 100 IV 60/30 IVS 100		IVC 60 Z22 IV 60 B1 (Z22) IVS 100 Z22	IVR-L 100 Me IVR-L 120 Me	IVR-L 100/30
Pharmaceutical industry							
Tablets		In the production process, e.g. tablet press		Medicines, e.g. vitamins, oestrogen, acids			
	IVS 100		IVS 100		IVC 60 Z22 IV 60 B1 (Z22) IVS 100 Z22		

Dimensioning, performance class: 1. Air speed table: application overview

		Air speed [m/s]			Air speed [m/s]
The minimum required air speeds are listed					
Wood	Wood shavings with pieces	25-30	Minerals	Coarse, dry sand without gravel	21-25
	Sawdust, damp	22-24		Foundry sand	35-45
	Coarse wood shavings without pieces	18-22*		Cement dust	25-30
	Wood shavings	18-20*		Pebble stones up to ø 5 cm	60-65
	Small wood pieces and wood plane pieces	16-18*		Sand ø < 2 cm / ø 2-3 cm	21-26 / 50-60
	Ultra-fine wood dust	12-14*		Ultra-fine, dry sand dust	12-14
The minimum required air speeds are listed					
Paper, plastics	Plastic granulate	20-23	Metal	Coarse metal dust	20-25
	Plastic powder	20-25		Metal dust	20-22
	Paper chips	15-22*		Fine metal dust	18-20*
	Rubber dust	18-20*		Shavings (dry)	25-27
	Edge strip suction	16-18*		Shavings (wet)	27-32
	Abrasive dust, leather	15-16*		Metal smoke (welding)	14-16
	Paint mist spray booths	14-16*		Steel balls	45-55
	Shorter textile fibres	12-16*		Oil (low viscosity), cooling lubricants	25-30
	Expanded polystyrol	8-10*		Oil (high viscosity), slurries	30-40
The minimum required air speeds are listed					
Food	Tobacco dusts	15-16*	Max. feed rates depending on the hose diameter	ID 42	approx. 90 m³/h
	Grain and fodder dusts	14-16*		ID 51/52	approx. 140 m³/h
	Flour	12-14*		ID 61	approx. 200 m³/h
	Food residues e.g. pasta	30+		ID 72	approx. 270 m³/h

* Safety vacuum cleaners and Ex vacuums may only be operated with a minimum air speed of 20 m/s. If the minimum speed is not met, this is indicated by an indicator light.

Dimensioning, performance class: 2. Air speed table

Drive performance			Suction hose diameter			
IVR drive heads			ID [ø mm]	40	50	70
AC	Max. volume flow [m³/h]	Max. vacuum [kPa]	Surface [cm²]	12.6	19.6	38.5
1.2 kW	215	23		46.4	29.7	15.1
2.0 kW	360	22		79.6	50.9	26.0
2.4 kW	532	23		117.6	75.2	38.4
Three-phase current						
1.5 kW	210	20		46.4	29.7	15.2
3.0 kW	315	26		70.7	45.3	23.1
4.0 kW	495	14		114.9	73.6	37.5
IVC drive heads						
AC	Max. volume flow [m³/h]	Max. vacuum [kPa]		40	50	70
1.2 kW (Ec)	225	24		49.0	31.8	-
2.4 kW	532	25	117.6	75.2	-	
Three-phase current						
3.0 kW	244	28	53.9	34.5	17.6	
IV drive heads						
AC	Max. volume flow [m³/h]	Max. vacuum [kPa]	40	50	70	
2.4 kW	403	23.5	89.0	57.0	29.0	
2.7 kW	234	24	51.7	33.1	16.8	
3.6 kW	605	23.5	133.7	85.5	43.5	
IVS drive heads						
Three-phase current						
4.0 kW	500	18	110.5	70.6	36.0	
5.5 kW	500	25	110.5	70.6	36.0	
7.5 kW	536	33	118.5	75.8	38.7	

Example

Application example:

A customer would like to purchase an industrial vacuum for vacuuming metal shavings.

Step 1:

Refer to Table 1 for the required minimum air speed:
For metal shavings (dry), an air speed of 25-27 m/s is required.

Step 2:

Table 2 shows the air speed generated during the suction process depending on the drive performance and suction hose diameter.

Example: with an ID 40 suction hose, an IVR drive head at 1.2 kW enables an air speed of 46.4 m/s
-> Dimensioning suitable.

If an ID 70 suction hose and 1.2 kW drive performance are chosen, an air speed of 15.1 m/s would result.
-> Dimensioning not sufficient.

ATTENTION:

► Values apply up to a max. 10 m suction hose. Furthermore, pressure losses in the suction hose must be taken into account.
► For safety vacuum cleaners, the air speed must never be < 20 m/s.

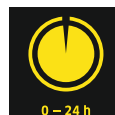
SUPER CLASS



Illustration can differ from the original.

High-power machines with stamina

The new Kärcher Super class IVS 100 industrial vacuums are powerful, robust and highly reliable machines. With a motor running time of about 20,000 hours – which corresponds to 2,500 days in continuous operation for eight hours a day – it is a real workhorse. The large star filter ensures optimal suction power.



1 Optional remote control

- Optional radio remote control for machine operation from a distance of up to 30 m.
- Convenient, time-saving operation of the machine in a single forward movement.
- Optimal space utilisation: the vacuum cleaner can be stored in unused or safety areas.

2 Power-saving soft start

- Low starting current prevents power supply voltage dips.
- Low energy peaks ensure lower energy costs.
- Only low machine fuse protection necessary (up to 5.5 A, 16 A, fuse protection is sufficient).

3 User-friendly machine handling

- Hose hook and accessory storage ensure fast tool access and tidy storage.
- Integrated cable hook for secure cable storage.
- All hooks can be hung freely on the machine via clip system.

4 User-friendly set-down mechanism

- Easy and time-saving container removal directly on the handle.
- The practical container handle serves as an aid for pulling and pushing the machine to the emptying point.
- Large industrial rollers ensure maximum mobility even on uneven floors and under heavy load.

TECHNICAL DATA AND EQUIPMENT

		IVS 100/75 M	IVS 100/55 M	IVS 100/40 M
		<ul style="list-style-type: none"> ■ Antistatic equipment ■ Extra-large filter area ■ Pole reverse plug 	<ul style="list-style-type: none"> ■ Antistatic equipment ■ Extra-large filter area ■ Pole reverse plug 	<ul style="list-style-type: none"> ■ Antistatic equipment ■ Extra-large filter area ■ Pole reverse plug
Technical data				
Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Rated input power during operation	kW	7.5	5.5	4
Air flow	l/s / m³/h	149 / 536	139 / 500	139 / 500
Vacuum	mbar / kPa	360 / 36	250 / 25	150 / 15
Container capacity	l	100	100	100
Filter area	m²	2.2	2.2	2.2
Main filter dust class		M	M	M
Sound pressure level	dB(A)	75	72	72
Cable length	m	8	8	8
Nominal width of connection		ID 72	ID 72	ID 72
Nominal width of accessory		ID 72 / ID 52	ID 72 / ID 52	ID 72 / ID 52
Weight	kg	188	155	140
Dimensions (L × W × H)	mm	1215 × 674 × 1509	1215 × 674 × 1509	1215 × 674 × 1509
Equipment				
Container included		100 l	100 l	100 l
Filter cleaning		Manual	Manual	Manual
Optional remote control		6.907-612.0	6.907-612.0	6.907-612.0
Order No.		1.573-820.0	1.573-720.0	1.573-620.0
Price				

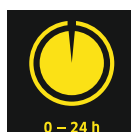
		IVS 100/75 Lp	IVS 100/55 Lp	IVS 100/40 Lp
		<ul style="list-style-type: none"> ■ Longopac disposal system ■ Extra-large filter area ■ Pole reverse plug 	<ul style="list-style-type: none"> ■ Longopac disposal system ■ Extra-large filter area ■ Pole reverse plug 	<ul style="list-style-type: none"> ■ Longopac disposal system ■ Extra-large filter area ■ Pole reverse plug
Technical data				
Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Rated input power during operation	kW	7.5	5.5	4
Air flow	l/s / m³/h	149 / 536	139 / 500	139 / 500
Vacuum	mbar / kPa	360 / 36	250 / 25	150 / 15
Container capacity	l	100	100	100
Filter area	m²	2.2	2.2	2.2
Main filter dust class		M	M	M
Sound pressure level	dB(A)	75	72	72
Cable length	m	8	8	8
Nominal width of connection		ID 72	ID 72	ID 72
Nominal width of accessory		ID 72 / ID 52	ID 72 / ID 52	ID 72 / ID 52
Weight	kg	198	165	150
Dimensions (L × W × H)	mm	1215 × 674 × 1509	1215 × 674 × 1509	1215 × 674 × 1509
Equipment				
Container included		Longopac	Longopac	Longopac
Filter cleaning		Manual	Manual	Manual
Optional remote control		6.907-612.0	6.907-612.0	6.907-612.0
Order No.		1.573-821.0	1.573-721.0	1.573-621.0
Price				

SUPER CLASS



The Super class – super compact

Despite its high filling capacity, the IVR 100/40 Pf is characterised by its compact size. In this respect, the space-saving machine is considerably ahead of the competition.



1 High-quality washable pocket filter

- Longer service life, less maintenance effort and lower costs. Ideal for industrial use.
- Unrivalled effective manual filter cleaning thanks to reinforcement lattice in every filter bag.

2 Highly efficient IE2 motor for higher suction power

- With comparably rated input power, the IE2 motor delivers 5% more suction power than conventional motors.

IVR 100/40 Pf

- Compact design requires less floor space
- Manual filter cleaning
- Sound-damping

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50
Rated input power during operation	kW	4.7
Air flow	l/s / m³/h	137.5 / 495
Vacuum	mbar / kPa	140 / 14
Container capacity	l	100
Filter area	m²	1.75
Main filter dust class		M
Sound pressure level	dB(A)	62
Cable length	m	6
Nominal width of connection		ID 72
Nominal width of accessory		ID 72 / ID 52
Weight	kg	167
Dimensions (L × W × H)	mm	910 × 760 × 2270

Equipment

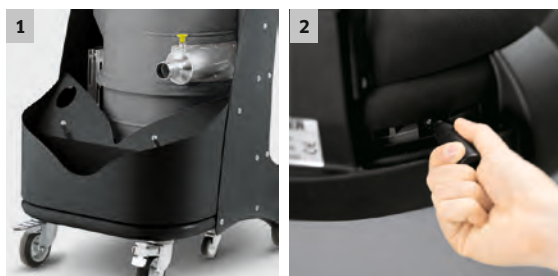
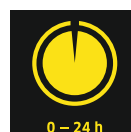
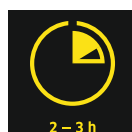
Container included	Yes
Container for wet vacuuming	-
Container for dry applications	-
Longopac disposal system	-
Filter cleaning	Manual
Order No.	9.986-069.0
Price	

MIDDLE CLASS



Mobile and flexible industrial vacuums

IV 60/24-2 and IV 60/36-3 vacuum cleaners are available with either two or three connectable AC motors.



1 Convenient storage area for accessories on the machine's chassis

- Large on-board accessory basket for convenient storage of nozzles, bends and other parts.

2 Manual filter vibration for low operating costs

- Manual filter vibration extends the life of the continuous filter for reduced maintenance.

IV 60/30

IV 60/36-3

IV 60/24-2

- Antistatic equipment
- Filter status indicator
- Pole reverse plug

- Antistatic equipment
- Filter status indicator
- Robust wheels and castors

- Antistatic equipment
- Filter status indicator
- Robust wheels and castors

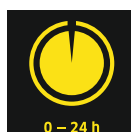
Technical data		IV 60/30	IV 60/36-3	IV 60/24-2
Supply voltage	Ph / V / Hz	3 / 400 / 50	1 / 220-240 / 50-60	1 / 220-240 / 50-60
Rated input power during operation	kW	3	3.6	2.4
Air flow	l/s / m³/h	68 / 244.8	168 / 605	112 / 403
Vacuum	mbar / kPa	286 / 28.6	235 / 23.5	235 / 23.5
Container capacity	l	60	60	60
Filter area	m²	2.3	2.3	2.3
Main filter dust class		M	M	M
Sound pressure level	dB(A)	75	73	73
Cable length	m	8	8	8
Nominal width of connection		ID 51	ID 51	ID 51
Nominal width of accessory		ID 51	ID 51	ID 51
Weight	kg	96	72	70
Dimensions (L × W × H)	mm	870 × 640 × 1650	870 × 640 × 1410	870 × 640 × 1410
Equipment		IV 60/30	IV 60/36-3	IV 60/24-2
Container included		No	No	No
Container for wet vacuuming		6.394-822.0	6.394-822.0	6.394-822.0
Container for dry applications		6.394-821.0	6.394-821.0	6.394-821.0
Longopac disposal system		2.013-050.0 + 2.050-078.0	2.013-050.0 + 2.050-078.0	2.013-050.0 + 2.050-078.0
Filter cleaning		Manual	Manual	Manual
Order No.		1.573-500.0	1.573-300.0	1.573-200.0
Price				

MIDDLE CLASS



Full power – continuously

Thanks to their durable side channel blower, the powerful IVR 40 and IVR 50 industrial vacuums are extremely reliable and therefore ideal for long operating cycles.



1 Ergonomic container control

- A push handle on the collecting container of the IVR 50 allows ergonomic removal of the vacuumed debris in an upright position.
- Pressure compensation hose and downholder for low-dust vacuuming directly into a waste disposal bag.

2 Cyclone-like pre-separation system

- Protects the filter and increases its working time. This saves on costs and increases versatility.

IVR 50/40 Pf

IVR 40/30 Pf

IVR 40/15 Pf

- Cyclone-like pre-separation system
- Sound-damping
- Ergonomic container control

- Cyclone-like pre-separation system
- Sound-damping
- Safe accessory storage

- Cyclone-like pre-separation system
- Sound-damping
- Safe accessory storage

Technical data

	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Current type				
Rated input power in operation	kW	4.7	3	1.5
Air flow	l/s / m³/h	137.5 / 495	87.5 / 315	58 / 210
Vacuum	mbar / kPa	140 / 14	260 / 26	200 / 20
Container capacity	l	50	40	40
Filter area	m²	1.75	1.75	1.75
Main filter dust class		M	M	M
Sound pressure level	dB(A)	62	60	56
Cable length	m	6	6	6
ID connector		ID 72	ID 72	ID 72
ID accessory		ID 72 / ID 52	ID 72 / ID 52	ID 52 / ID 42
Weight	kg	161	126	107
Dimensions (L × W × H)	mm	850 × 760 × 1970	890 × 670 × 1560	890 × 670 × 1560

Equipment

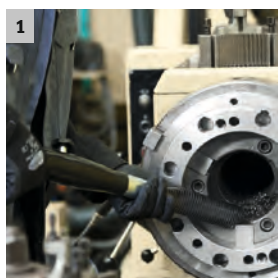
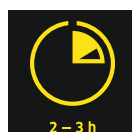
Container included	Yes	Yes	Yes
Container for wet vacuuming	-	-	-
Container for dry applications	-	-	-
Longopac disposal system	-	-	-
Filter cleaning	Manual	Manual	Manual
Order No.	9.986-068.0	9.986-067.0	9.986-066.0
Price			

MIDDLE CLASS



Introduction to the IVR series

Industrial vacuums in the IVR series are characterised by agility, robustness and durability. Powerful turbines with intelligent sound-damping combine convenient working with excellent performance.



1 Robust material and a design suitable for industrial purposes

- Ideal for use in the metal processing industry.
- The material thickness of 1.25 mm and mostly welded connections ensure a long lifetime, even with abrasive suction material.

2 Pleasant operating noise

- Silencers on the exhaust tubes ensure a low operating noise with simultaneously high suction power.

IVR 35/20-2 Pf Me

- Compact design requires less floor space
- Cyclone-like pre-separation system
- Stainless steel container

Technical data

Current type	Ph / V / Hz	1 / 220-240 / 50-60
Rated input power in operation	kW	2
Air flow	l/s / m³/h	100 / 360
Vacuum	mbar / kPa	220 / 22
Container capacity	l	35
Filter area	m²	1.4
Main filter dust class		M
Sound pressure level	dB(A)	75
Cable length	m	6
ID connector		ID 52
ID accessory		ID 52 / ID 42
Weight	kg	58
Dimensions (L × W × H)	mm	740 × 580 × 1105

Equipment

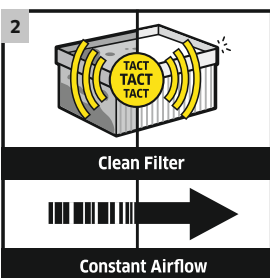
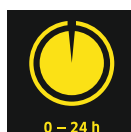
Container included	Yes
Container for wet vacuuming	-
Container for dry applications	-
Longopac disposal system	-
Filter cleaning	Manual
Order No.	9.986-065.0
Price	

COMPACT CLASS



With three-phase drive for continuous use

The IVC 60/30 features a low-maintenance three-phase motor for multiple shift operation with high loads. With reliable liquid cut-off function and efficient Tact² technology: this vacuum is ideal for both dry and wet cleaning tasks.



1 Wear-resistant side channel blower

- A side channel blower provides a very long lifetime of at least 20,000 hours with powerful suction. These machines are therefore ideal for multiple shift operation.

2 Automatic Filter Cleaning System Tact²

- The two filters are cleaned with targeted, powerful blasts of air. The procedure is triggered automatically, the suction power remains constantly high, and the work can be continued without interruption.
- Filter designed to allow uninterrupted use with constant high suction power.

IVC 60/30 Tact²

IVC 60/30 Ap

- Antistatic equipment
- Liquid cut-off
- Integrated cyclone for pre-separation system

- Antistatic equipment
- Manual filter cleaning
- Integrated cyclone for pre-separation system

Technical data

Current type	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50
Rated input power in operation	kW	3	3
Air flow	l/s / m ³ /h	68 / 244.8	68 / 244.8
Vacuum	mbar / kPa	286 / 28.6	286 / 28.6
Container capacity	l	60	60
Filter area	m ²	1.9	1.9
Main filter dust class		M	M
Sound pressure level	dB(A)	77	77
Cable length	m	7.5	5
ID connector		ID 72	ID 72
ID accessory		ID 52 / ID 42	ID 72 / ID 52 / ID 42
Weight	kg	95	95
Dimensions (L × W × H)	mm	970 × 690 × 1240	970 × 690 × 1240

Equipment

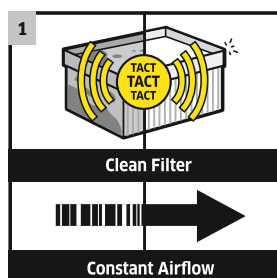
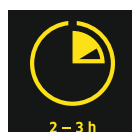
Container included	60 l	60 l
Container for wet vacuuming	-	-
Container for dry applications	-	-
Longopac disposal system	2.013-050.0	2.013-050.0
Filter cleaning	Automatic	Manual
Order No.	1.576-101.0	1.576-107.0
Price		

COMPACT CLASS



Powerful machines with twin motors

These entry-level machines feature two powerful motors. The basic and standard variants feature an easy-moving and sturdy set-down trolley and stainless steel suction containers. The electronic motor control ensures low starting currents.



1 Automatic Filter Cleaning System Tact²

- The filter automatically cleans itself with targeted, powerful blasts of air. The procedure is triggered automatically whilst maintaining constant high suction power. Further benefits: low maintenance costs, long filter service life.
- Filter designed to allow uninterrupted use with constant high suction power.

2 Two blower motors

- Two blowers for powerful cleaning action. The motors are electronically controlled, which avoids high starting currents.

IVC 60/24-2 Tact²

IVC 60/24-2 Ap

IVC 60/24-2 Tact² M

- Antistatic equipment
- Liquid cut-off
- Integrated cyclone for pre-separation system

- Antistatic equipment
- Manual filter cleaning
- Integrated cyclone for pre-separation system

- Antistatic equipment
- Certified for dust class M
- Integrated cyclone for pre-separation system

Technical data

Current type	Ph / V / Hz	1 / 220-240 / 50-60	1 / 220-240 / 50-60	1 / 220-240 / 50-60
Rated input power in operation	kW	2.4	2.4	2.4
Air flow	l/s / m³/h	148 / 532	148 / 532	148 / 532
Vacuum	mbar / kPa	254 / 25.4	254 / 25.4	254 / 25.4
Container capacity	l	60	60	60
Filter area	m²	0.95	0.95	0.95
Main filter dust class		M	M	M
Sound pressure level	dB(A)	73	73	73
Cable length	m	10	8	8
ID connector		ID 72	ID 72	ID 72
ID accessory		ID 52 / ID 42	ID 72 / ID 52 / ID 42	ID 52 / ID 42
Weight	kg	60	60	60
Dimensions (L × W × H)	mm	970 × 690 × 995	970 × 690 × 995	970 × 690 × 995

Equipment

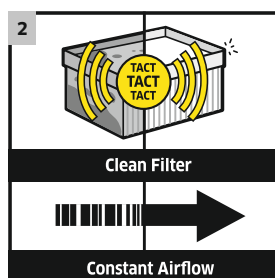
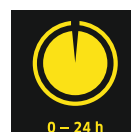
Container included	60 l	60 l	60 l
Container for wet vacuuming	-	-	-
Container for dry applications	-	-	-
Longopac disposal system	2.013-050.0	2.013-050.0	-
Filter cleaning	Fully automatic	Semi-automatic	Fully automatic
Order No.	1.576-100.0	1.576-104.0	1.576-105.0
Price			

COMPACT CLASS



Save time and money with Longopac

Our basic models IVC 60/24-2 and IVC 60/30 feature the Longopac disposal system as standard. Compared with conventional disposal bags, these save time and reduce costs considerably.



1 Longopac disposal system

- The adaptable 22 m-long disposal bag ensures time-saving bag disposal.
- Far more economical than conventional dust disposal bags.

2 Automatic Filter Cleaning System Tact²

- The two filters are cleaned with targeted, powerful blasts of air. The procedure is triggered automatically, the suction power remains constantly high, and the work can be continued without interruption.
- Filter designed to allow uninterrupted use with constant high suction power.

IVC 60/30 Tact² Lp

IVC 60/24-2 Tact² Lp

- Longopac disposal system
- Antistatic equipment
- Integrated cyclone for pre-separation system

- Longopac disposal system
- Antistatic equipment
- Integrated cyclone for pre-separation system

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50	1 / 220-240 / 50-60
Rated input power during operation	kW	3	2.4
Air flow	l/s / m ³ /h	68 / 244.8	148 / 532
Vacuum	mbar / kPa	286 / 28.6	254 / 25.4
Container capacity	l	60	60
Filter area	m ²	1.9	0.95
Main filter dust class		M	M
Sound pressure level	dB(A)	77	73
Cable length	m	7.5	10
Nominal width of connection		ID 72	ID 72
Nominal width of accessory		ID 52 / ID 42	ID 52 / ID 42
Weight	kg	95	60
Dimensions (L × W × H)	mm	970 × 690 × 1240	970 × 690 × 995

Equipment

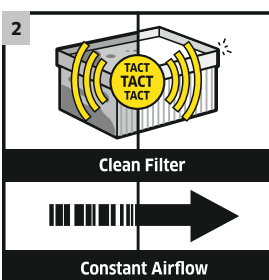
Container included	-	-
Container for wet vacuuming	-	-
Container for dry applications	-	-
Longopac disposal system	Standard	Standard
Filters	Flat pleated filter	Flat pleated filter
Order No.	1.576-115.0	1.576-114.0
Price		

COMPACT CLASS

Non-stop suction



The IVC 60/12-1 vacuum cleaner is perfect for stationary non-stop use thanks to an electronically controlled drive and compact design. The brushless Ec motor provides superb performance, low power consumption and very long life.



1 Designed for continuous operation

- The brushless Ec motors are wear-resistant and have a minimum service life of 5,000 hours, ideal for three-shift operation.

2 Tact system (Tact Automatic Filter Cleaning System)

- The two filters are cleaned with targeted, powerful blasts of air for constant high suction power.

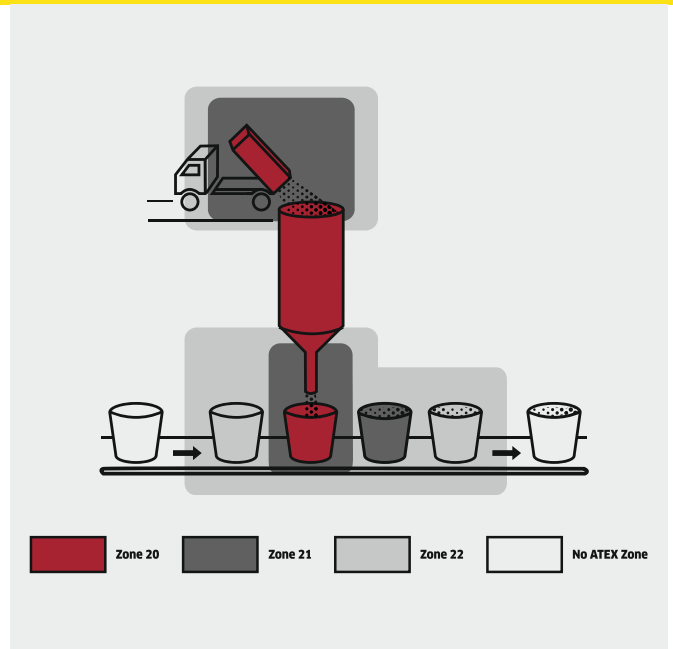
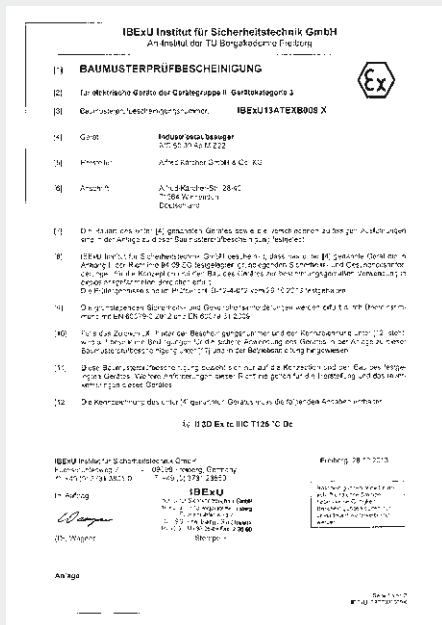
IVC 60/12-1 Tact Ec

- Antistatic equipment
- Liquid cut-off
- Integrated cyclone for pre-separation system

Technical data		
Supply voltage	Ph / V / Hz	1 / 220-240 / 50-60
Rated input power during operation	kW	1.2
Air flow	l/s / m³/h	62.5 / 225
Vacuum	mbar / kPa	244 / 24.4
Container capacity	l	60
Filter area	m²	0.95
Main filter dust class		M
Sound pressure level	dB(A)	74
Cable length	m	10
Nominal width of connection		ID 72
Nominal width of accessory		ID 52 / ID 42
Weight	kg	59
Dimensions (L × W × H)	mm	970 × 690 × 995
Equipment		
Container included		60 l
Container for wet vacuuming		-
Container for dry applications		-
Longopac disposal system		2.013-050.0
Filter cleaning		Fully automatic
Order No.		1.576-102.0
Price		

CERTIFIED SAFETY FOR POTENTIALLY EXPLOSIVE ATMOSPHERES

Vacuuming in potentially explosive atmospheres places the highest demands on machine quality. Across Europe, this is regulated by Directive 2014/34/EU and the associated country-specific standards, such as DIN EN 60335-2-69. With directive-compliant certification from TÜV Süd and IBexU, Kärcher Ex vacuums offer you the highest possible level of safety.



Zoning

The greatest risk of explosion occurs if a hazardous quantity of flammable dusts or gases forms and mixes with air, which could then be ignited by a suitable ignition source. If conditions within the production areas are favourable to the formation of a flammable mixture, then in accordance with Directive 99/92/EC the operator is legally required to divide the affected areas into zones.

Zone 22

All Kärcher Ex vacuums are certified for operation in Ex zone 22. They have been developed for areas where there is a temporarily explosive atmosphere due to flammable dusts. Possible ignition sources are avoided here or, where they are unavoidable, encapsulated.

Typical industries for Ex zones

- Pharmaceutical and chemical industry.
- Food industry.
- Metalworking industry.
- Paper production.

You can find more examples in the application overview on page 288.

Flammable dusts

The formation of an explosive mixture is largely dependent on the grain size of the dust dispersed in the air. Flammable dusts are generally deemed to be hazardous if they have a grain size of less than 0.5 mm.

Examples of explosive dusts

Powder coating, swarf from metal, plastic and wood processing, grain flour, powdered milk, medication powder such as ascorbic acid, carrageen, ibuprofen and others.

EX VACUUMS



Safe dust removal for potentially explosive atmospheres

Middle-class vacuums for hazardous dusts in ATEX zone 22. The powerful side channel blowers make the machine ideal for shift operation.



1 Resilient and versatile

- Thanks to the long lifetime of the side channel blower, the IV 60/27-1 M B1 and IV 60/30 M B1 are also suitable for stationary use in multiple shift operation. The extensive accessory line provides for ergonomic and economical cleaning solutions for numerous applications.

2 Approved for dust classes M and B1 (Z22)

- IV 60/27-1 M B1 and IV 60/30 M B1 safety vacuums are suitable for class M hazardous dusts and for use in atmospheres of classes ST 1, ST 2 and ST 3 in zone 22.

IV 60/30 M B1 (Z22)

IV 60/27-1 M B1 (Z22)

- Antistatic equipment
- Filter status indicator
- Pole reverse plug

- Antistatic equipment
- Filter status indicator
- Robust wheels and castors

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50	1 / 220-240 / 50
Rated input power during operation	kW	3	2.7
Air flow	l/s / m³/h	68 / 244	65 / 234
Vacuum	mbar / kPa	286 / 28.6	240 / 24
Container capacity	l	60	60
Filter area	m²	1.8	1.8
Main filter dust class		M	M
Sound pressure level	dB(A)	75	71
Cable length	m	8	10
Nominal width of connection		ID 51	ID 51
Nominal width of accessory		ID 51	ID 51
Weight	kg	90	100
Dimensions (L × W × H)	mm	870 × 640 × 1820	920 × 640 × 1820

Equipment

Container included	No	No
Container for dry applications	6.394-821.0	6.394-821.0
Dust class	M	M
Type	Z22	Z22
Filter cleaning	Manual	Manual
Order No.	1.573-551.0	1.573-151.0
Price		

EX VACUUMS



Illustration can differ from the original.

Uncompromising safety: the Super class

Safety at the highest level with excellent suction power and filter lifetime: our new explosion-proof vacuum cleaners impress on all levels. The large star filters provide continuous protection against explosive suction waste, even in large quantities.



1 Power-saving soft start

- Low starting current prevents power supply voltage dips.
- Low energy peaks ensure lower energy costs.
- Only low machine fuse protection necessary (up to 5.5 A, 16 A, fuse protection is sufficient).



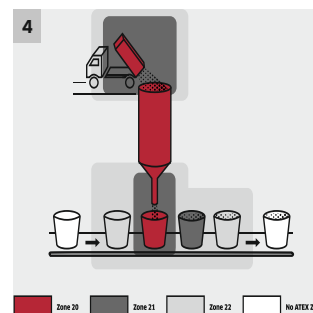
2 User-friendly set-down mechanism

- Easy and time-saving container removal directly on the handle.
- The practical container handle serves as an aid for pulling and pushing the machine to the emptying point.
- Large industrial rollers ensure maximum mobility even on uneven floors and under heavy load.



3 Innovative sound-damping

- A chamber sound damper effectively reduces operating noise.
- Health-friendly working thanks to low operating noise.



4 Suitable for zone 22

- IVS-Ex vacuums feature the latest technology to guarantee maximum safety.
- Reliable vacuuming of health-endangering substances such as explosive dusts.

TECHNICAL DATA AND EQUIPMENT

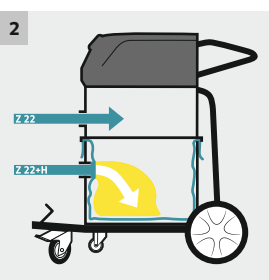
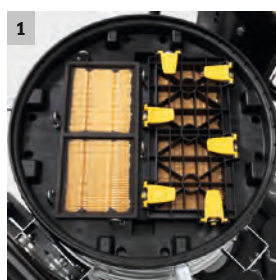
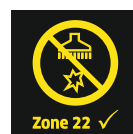
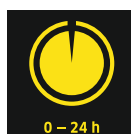
		IVS 100/75 M Z22	IVS 100/55 M Z22	IVS 100/40 M Z22
		<ul style="list-style-type: none"> ■ Antistatic equipment ■ Extra-large filter area ■ Manual filter cleaning 	<ul style="list-style-type: none"> ■ Antistatic equipment ■ Extra-large filter area ■ Manual filter cleaning 	<ul style="list-style-type: none"> ■ Antistatic equipment ■ Extra-large filter area ■ Manual filter cleaning
Technical data				
Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Rated input power during operation	kW	7.5	5.5	4
Air flow	l/s / m³/h	149 / 536	139 / 500	139 / 500
Vacuum	mbar / kPa	360 / 36	250 / 25	150 / 15
Container capacity	l	100	100	100
Filter area	m²	2.2	2.2	2.2
Main filter dust class		M	M	M
Sound pressure level	dB(A)	75	72	72
Cable length	m	8	8	8
Nominal width of connection		ID 72	ID 72	ID 72
Nominal width of accessory		ID 72 / ID 52	ID 72 / ID 52	ID 72 / ID 52
Weight	kg	188	155	140
Dimensions (L × W × H)	mm	1215 × 674 × 1509	1215 × 674 × 1509	1215 × 674 × 1509
Equipment				
Container included		100 l	100 l	100 l
Container for dry applications		-	-	-
Dust class		M	M	M
Type		Z22	Z22	Z22
Filter cleaning		Manual	Manual	Manual
Order No.		9.987-900.0	9.987-899.0	9.987-898.0
Price				

EX VACUUMS



Cleaners for zone 22

The Compact-class, ATEX-certified industrial vacuums are approved for potentially explosive zone 22 atmospheres. Thanks to innovative motor technology, the machines are ideal for continuous use.



1 With compact flat pleated filter

- The compact flat pleated filter has a large filter area.

2 Two-stage filter concept enables vacuuming with and without dust filter class H in ATEX zone 22

- Health protection thanks to filter class H when vacuuming health-endangering dusts via bottom branch.
- If class H is unnecessary in zone 22, the top branch does not need to be used.

IVC 60/30 Ap M Z22

IVC 60/12-1 Ec H Z22

- Certified according to 94/9/EC
- Manual filter cleaning
- Antistatic equipment

- Certified according to DIN EN 60335-2-69:2010
- Dust-free and low-dust disposal
- Antistatic equipment

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50	1 / 220-240 / 50-60
Rated input power during operation	kW	3	1.2
Air flow	l/s / m³/h	68 / 244	62.5 / 225
Vacuum	mbar / kPa	286 / 28.6	244 / 24.4
Container capacity	l	60	60
Filter area	m²	1.9	0.95
Main filter dust class		M	H
Sound pressure level	dB(A)	77	76
Cable length	m	8	10
Nominal width of connection		ID 72	ID 72
Nominal width of accessory		ID 42	ID 42
Weight	kg	95	59
Dimensions (L × W × H)	mm	970 × 690 × 1240	970 × 690 × 995

Equipment

Container included	60 l	60 l
Container for dry applications	-	-
Dust class	M	H
Type	Z22	Z22
Filter cleaning	Manual	-
Order No.	1.576-106.0	1.576-103.0
Price		

BUILD-IN UNITS

Space-saving compact vacuum for dust and swarf

There is always space for IVR-B vacuums, even in the smallest corners of production halls, thanks to their compact size and low installation height.



1 Optional castors increase mobility

- Using the optionally available castors allows mobile applications.

2 Large-area cartridge filters

- For professional use and long work intervals.

IVR-B 50/30

IVR-B 30/15 Me

- Low installation height
- Cartridge filter
- Sound absorber

- Low installation height
- Cartridge filter
- Stainless steel container

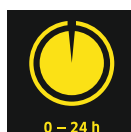
Technical data			
Supply voltage	Ph / V / Hz	3 / 400 / 50	3 / 400 / 50
Rated input power during operation	kW	3	1.5
Air flow	l/s / m³/h	87.5 / 315	58 / 210
Vacuum	mbar / kPa	260 / 26	200 / 20
Container capacity	l	50	30
Filter area	m²	0.7	0.7
Main filter dust class		M	M
Sound pressure level	dB(A)	70	70
Cable length	m	6	6
Nominal width of connection		ID 52	ID 52
Nominal width of accessory		ID 52 / ID 42	ID 52 / ID 42
Weight	kg	79	52
Dimensions (L × W × H)	mm	850 × 550 × 610	700 × 400 × 677
Equipment			
Container included		Yes	Yes
Optional machine parts		9.986-099.0	9.986-099.0
Order No.		9.986-073.0	9.986-072.0
Price			

LIQUID AND SWARF VACUUMS



Built for endurance

Whether for coolants, emulsions, oil or water, with or without swarf – the powerful liquid and swarf vacuums with a range of drive types are ideal for heavy-duty industrial uses.



1 Wear-resistant side channel blower

- A side channel blower offers high suction power and durability. These machines are therefore ideal for multiple shift operation.

2 Visual fill level display

- Always up to date: the filling level is always indicated during vacuuming.
- The machine can be emptied as required via the fill level hose.

IVR-L 100/30

- Set-down trolley
- Compact design requires less floor space
- Sound-damping

Technical data

Supply voltage	Ph / V / Hz	3 / 400 / 50
Rated input power during operation	kW	3
Air flow	l/s / m³/h	89 / 320
Vacuum	mbar / kPa	260 / 26
Container capacity	l	100
Filter area	m²	0.45
Sound pressure level	dB(A)	60
Cable length	m	6
Nominal width of connection		ID 72
Nominal width of accessory		ID 72 / ID 52
Weight	kg	136
Dimensions (L × W × H)	mm	850 × 760 × 1800

Equipment

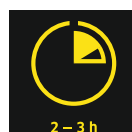
Automatic fill-level cut-off function	-
Order No.	9.986-064.0
Price	

LIQUID AND SWARF VACUUMS



Specialist machines with stamina

With a 120-litre capacity, IVR-L 120 vacuums offer the longest emptying intervals. The oil-resistant design makes the machine ideal for removing oil.



1 New drive head for increased safety, convenience and power

- The low weight of the drive head ensures easier handling during transport, emptying and maintenance.
- Higher work safety during transport due to mounting of the cable on the head of the device.

2 360° working radius

- Rotatable hose connection on the suction head for all-round cleanliness. No tangling of the suction hose.

IVR-L 120/24-2 Tc Me Dp

IVR-L 120/24-2 Tc Me

IVR-L 120/24-2 Tc

		IVR-L 120/24-2 Tc Me Dp	IVR-L 120/24-2 Tc Me	IVR-L 120/24-2 Tc
		<ul style="list-style-type: none"> ■ Tilting chassis ■ Stainless steel housing and container ■ Barrel pump function 	<ul style="list-style-type: none"> ■ Tilting chassis ■ Stainless steel housing and container ■ Visual fill level display 	<ul style="list-style-type: none"> ■ Tilting chassis ■ Visual fill level display
Technical data				
Supply voltage	Ph / V / Hz	1 / 220-240 / 50-60	1 / 220-240 / 50-60	1 / 220-240 / 50-60
Rated input power during operation	kW	2.4	2.4	2.4
Air flow	l/s / m³/h	148 / 532	148 / 532	148 / 532
Vacuum	mbar / kPa	235 / 23	235 / 23	235 / 23
Container capacity	l	120	120	120
Filter area	m²	0.45	0.45	0.45
Sound pressure level	dB(A)	76	76	76
Cable length	m	6	6	6
Nominal width of connection		ID 52	ID 52	ID 52
Nominal width of accessory		ID 52 / ID 42	ID 52 / ID 42	ID 52 / ID 42
Weight	kg	-	-	-
Dimensions (L x W x H)	mm	745 x 710 x 1420	745 x 710 x 1420	745 x 710 x 1420
Equipment				
Automatic fill-level cut-off function		-	-	-
Order No.		9.987-890.0	9.987-889.0	9.987-888.0
Price				

LIQUID AND SWarf VACUUMS



The power of twin motors

Whether with stainless steel container, tilting chassis or drum pump function: the dual-motor IVR-L variants offer the greatest versatility and the right solution for any application.



1 New drive head for increased safety, convenience and power

- The low weight of the drive head ensures easier handling during transport, emptying and maintenance.
- Higher work safety during transport due to mounting of the cable on the head of the device.
- Integrated exhaust air cover to avoid dirt in the engine area.



2 360° working radius

- Rotatable hose connection on the suction head for all-round cleanliness. No tangling of the suction hose.



3 Practical tilting chassis

- Quick and easy emptying of the container: just tip backwards and you're done!



4 Secure accessory storage

- Suction hose storage hook and defined accessory storage for a clean, tidy and ready-to-use machine.

TECHNICAL DATA AND EQUIPMENT

IVR-L 100/24-2 Tc Me Dp

IVR-L 100/24-2 Tc Me

IVR-L 100/24-2 Tc

- Tilting chassis
- Stainless steel housing and container
- Barrel pump function
- Tilting chassis
- Stainless steel housing and container
- Visual fill level display
- Tilting chassis
- Visual fill level display

Technical data

Supply voltage	V / Hz	220-240 / 50-60	220-240 / 50-60	220-240 / 50-60
Rated input power during operation	kW	2.4	2.4	2.4
Air flow	l/s / m³/h	148 / 532	148 / 532	148 / 532
Vacuum	mbar / kPa	235 / 23	235 / 23	235 / 23
Container capacity	l	100	100	100
Filter area	m²	0.45	0.45	0.45
Sound pressure level	dB(A)	76	76	76
Cable length	m	6	6	6
Nominal width of connection		ID 52	ID 52	ID 52
Nominal width of accessory		ID 52 / ID 42	ID 52 / ID 42	ID 52 / ID 42
Weight	kg	59	55	58
Dimensions (L × W × H)	mm	740 × 620 × 1180	740 × 620 × 1180	740 × 620 × 1180

Equipment

Automatic fill-level cut-off function	-	-	-
Order No.	9.987-887.0	9.987-886.0	9.987-885.0
Price			

IVR-L 100/24-2 Me

IVR-L 100/24-2

- Compact design requires less floor space
- Stainless steel housing and container
- Compact design requires less floor space
- Visual fill level display

Technical data

Supply voltage	V / Hz	220-240 / 50-60	220-240 / 50-60
Rated input power during operation	kW	2.4	2.4
Air flow	l/s / m³/h	148 / 532	148 / 532
Vacuum	mbar / kPa	235 / 23	235 / 23
Container capacity	l	100	100
Filter area	m²	0.45	0.45
Sound pressure level	dB(A)	76	76
Cable length	m	6	6
Nominal width of connection		ID 52	ID 52
Nominal width of accessory		ID 52 / ID 42	ID 52 / ID 42
Weight	kg	50	51
Dimensions (L × W × H)	mm	640 × 620 × 1060	640 × 620 × 1060

Equipment

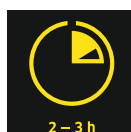
Automatic fill-level cut-off function	-	-
Order No.	9.987-884.0	9.987-883.0
Price		

LIQUID AND SWarf VACUUMS



The powerful introduction to liquid vacuuming

Machines in the IVR-L range for the metal processing industry are exceptionally robust and durable, and deliver outstanding results in day-to-day heavy-duty use.



1 Durability

- High-quality materials and robust welding techniques guarantee a long service life.
- An oil-resistant power cord is included as standard and increases the machine's service life.

2 Float ball for volume flow disruption

- A float ball in the machine head disrupts the suction volume as soon as the maximum fill capacity has been reached.
- Application as an emergency circuit. The filter must be dry when restarting.

IVR-L 65/12-1 Tc

IVR-L 40/12-1

- Tilting chassis
- Compact design requires less floor space
- Visual fill level display

- Compact design requires less floor space
- Visual fill level display

Technical data

Current type	Ph / V / Hz	1 / 220-240 / 50-60	1 / 220-240 / 50-60
Rated input power in operation	kW	1.2	1.2
Air flow	l/s / m³/h	59 / 212.4	59 / 212.4
Vacuum	mbar / kPa	230 / 23	230 / 23
Container capacity	l	65	40
Filter area	m²	0.25	0.25
Sound pressure level	dB(A)	71	71
Cable length	m	6	6
ID connector		ID 52	ID 52
ID accessory		ID 42	ID 42
Weight	kg	43	36
Dimensions (L × W × H)	mm	742 × 500 × 1100	711 × 523 × 960

Equipment

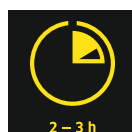
Automatic fill-level-cut-off function	■	■
Order No.	9.986-055.0	9.986-054.0
Price		

LIQUID AND SWarf VACUUMS

The reliable vacuum with air flow reversal



The powerful liquid vacuum has two bypass motors. Liquids that have been vacuumed up can be released very quickly using the air flow reversal function.



1 Convenient air flow reversal function

- The air flow can be easily switched over. This makes it easy to empty the container.

2 Two electronically controlled tangential blowers

- Two blowers ensure high suction power. Once the container is full, the machine switches off automatically.

IVL 50/24-2

- Easy-to-use air reversal feature
- Electronic motor control
- Stainless steel container

Technical data

Current type	Ph / V / Hz	1 / 220-240 / 50-60
Rated input power in operation	kW	2.4
Air flow	l/s / m³/h	112 / 403
Vacuum	mbar / kPa	235 / 23.5
Container capacity	l	50
Filter area	m²	1
Sound pressure level	dB(A)	73
Cable length	m	8
ID connector		ID 51
ID accessory		ID 51
Weight	kg	110
Dimensions (L × W × H)	mm	980 × 650 × 1250

Equipment

Automatic fill-level-cut-off function



Order No. 1.573-952.0

Price

EVERYTHING YOU NEED: SUITABLE ACCESSORIES FOR ALL INDUSTRIES

The wide range of accessory parts offers almost unlimited applications. Even the hoses have the right diameter and composition for the material to be vacuumed and can easily be extended. All accessories are electrically conductive.



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Filters and waste disposal bags	Page 340
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1 Nominal size designation of industrial vacuums

The nominal size designation of industrial vacuums indicates the accessory generation. Generation 1 with the designations ID 51 and 61 is suitable for IV and IVL vacuum cleaners. Generation 2 with the designations ID 42, 52 and 72 is suitable for IVC and IVR vacuum cleaners. Both accessory systems can be combined using an adapter.

2 Accessories for Ex vacuums

All accessories for industrial vacuums are electrically conductive. The accessories for Ex vacuums are certified separately together with the vacuum cleaner. These vacuum cleaners may only be operated with specially designated accessories.

Hose assembly available by the metre

	Designation	Quantity	ID 42	ID 52	ID 72
	Suction hose available by the metre in the required material and length	1			
and 	Vacuum connector, ID 72 on selected hose diameter for IVC machine connection	1	6.902-178.0	6.902-177.0	6.902-173.0
or 	Connector for IVR and extension hoses	1	6.902-170.0	6.902-168.0	6.902-173.0
and 	Accessory adapter, rotatable	1	6.902-172.0	6.902-169.0	6.902-175.0
and 	Hose clamp, 40-60 mm	2	6.902-167.0	6.902-167.0	6.902-176.0
and 	Hose sleeve	2	6.902-171.0	6.902-166.0	6.902-174.0



IV ACCESSORY KITS



Kärcher's versatile industrial accessories are made from high-quality materials, facilitate working and ensure safe operation, even for sharp-edged waste like metal shavings.

		Order No.	Quantity	ID	Price	Description
Accessory kits IVC, IVS, IVR (3-phases)						
Dry vacuuming kit for fine dust, screw connection	1	2.869-106.0	6-part	ID 42		PVC suction hose 3 m ID 42 (6.907-292.0), bend ID 42 (6.902-202.0), suction tube 750 mm ID 42 (6.902-182.0), floor nozzle 370 mm ID 42 (6.902-185.0), plastic crevice nozzle 13 mm ID 42 (6.902-195.0), round brush, angled ID 42 (6.902-193.0).
Vacuuming kit for liquids with solids, screw connection	2	2.869-107.0	6-part	ID 42		ME-PU suction hose 3 m ID 42 (6.907-304.0), bend ID 42 (6.902-202.0), suction tube 750 mm ID 42 (6.902-182.0), floor tool 370 mm ID 42 (6.902-185.0), nozzle, flexible ID 42 (6.902-197.0), round suction nozzle, rubber ID 42 (6.902-200.0), swarf basket (2.860-268.0).
Vacuuming kit for solids/small quantities of liquids, screw connection	3	2.869-108.0	6-part	ID 52		ME-PU suction hose 3 m ID 52 (6.907-306.0), bend ID 52 (6.902-201.0), suction tube 850 mm ID 52 (6.902-181.0), floor tool 370 mm ID 52 (6.902-184.0), nozzle, flexible ID 52 (6.902-196.0), aluminium surface nozzle 150 mm ID 52 (6.902-187.0).
Vacuuming kit for dry/coarse particles, screw connection	4	2.869-109.0	6-part	ID 52		PU suction hose 3 m ID 52 (6.907-300.0), bend ID 52 (6.902-201.0), suction tube 850 mm ID 52 (6.902-181.0), floor tool 370 mm ID 52 (6.902-184.0), nozzle, flexible ID 52 (6.902-196.0), aluminium surface nozzle 150 mm ID 52 (6.902-187.0).
Suction set, explosive dusts	5	9.988-127.0	6-part	ID 42		PVC suction hose, 3 m, ID 42 (6.907-292.0), bend, ID 42 (6.902-202.0), suction tube, 750 mm, ID 42 (6.902-182.0), floor nozzle Ex (6.902-213.0), crevice nozzle, plastic, ID 42 (6.902-195), surface brush, ID 42 (6.902-204).
Accessory kits IVR (1-phase)						
Vacuuming kit for liquids, screw connection	6	9.986-271.0	6-part	ID 42		Reducer ID 52 to ID 42 (6.902-179.0), PU suction hose, 3 m, ID 42 (6.907-314.0), bend ID 42 (6.902-202.0), suction tube, 750 mm, ID 42 (6.902-182.0), floor nozzle, 370 mm, ID 42 (6.902-185.0), elongated round nozzle, rubber, ID 42 (6.902-200.0).
Vacuuming kit for liquids and swarf, screw connection	7	9.986-280.0	6-part	ID 42		Reducer ID 52 to ID 42 (6.902-179.0), ME-PU suction hose, 3 m, ID 42 (6.907-318.0), bend ID 42 (6.902-202.0), suction tube, 750 mm, ID 42 (6.902-182.0), floor nozzle, 370 mm, ID 42 (6.902-185.0), flexible nozzle, plastic, ID 42 (6.902-197.0).
Vacuuming kit for liquids, screw connection	8	9.986-281.0	5-part	ID 52		PU suction hose, 3 m, ID 52 (6.907-316.0), bend ID 52 (6.902-201.0), suction tube, 850 mm, ID 52 (6.902-181.0), floor nozzle, 370 mm, ID 52 (6.902-184.0), flexible nozzle, plastic, ID 52 (6.902-196.0).
Vacuuming kit for liquids and swarf, screw connection	9	9.986-282.0	5-part	ID 52		ME-PU suction hose, 3 m, ID 52 (6.907-320.0), bend ID 52 (6.902-201.0), suction tube, 850 mm, ID 52 (6.902-181.0), floor nozzle, 370 mm, ID 52 (6.902-184.0), surface nozzle, aluminium, ID 52 (6.902-187.0).
Suction set, stainless steel	10	9.988-126.0	6-part	ID 52		Connection hose, light PU (9.988-124.0), stainless steel bend (9.988-111.0), stainless steel suction tube (9.988-114.0), stainless steel floor nozzle (9.988-115.0), stainless steel crevice nozzle (9.988-123.0), rubber nozzle, angled (9.988-118.0).

■ NEW □ Available accessories. More Kärcher original accessories can be found on the following pages.

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		Order No.	Quantity	ID	Price	Description
Accessory kits IV, IVL						
Industrial kit for lighter applications, socket plug connection	11	2.641-177.0	7-part	ID 51		1 × 4.130-412.0 floor tool ID 51, aluminium, 500 mm. 1 × 6.906-773.0 suction nozzle ID 51, plastic. 1 × 6.906-768.0 crevice nozzle ID 51, plastic. 1 × 6.906-767.0 bend ID 51, stainless steel. 2 × 6.906-766.0 suction tube 0.5 m, ID 51, stainless steel. 1 × 6.906-791.0 suction hose, plastic, ID 51, 5 m.
Industrial kit for demanding applications, socket plug connection	12	2.641-178.0	7-part	ID 51		1 × 6.906-793.0 floor tool ID 51, H-D, 500 mm. 1 × 6.906-773.0 suction nozzle ID 51, plastic. 1 × 6.906-768.0 crevice nozzle ID 51, plastic. 1 × 6.906-767.0 bend ID 51, stainless steel. 2 × 6.906-766.0 suction tube 0.5 m, ID 51, stainless steel. 1 × 6.906-786.0 PU suction hose ID 51, 5 m.
Industrial kit for lighter applications, socket plug connection	13	2.641-175.0	7-part	ID 61		1 × 4.130-413.0 floor nozzle ID 61, aluminium, 500 mm. 1 × 6.903-056.0 suction nozzle ID 61, plastic. 1 × 6.900-222.0 crevice nozzle ID 61, plastic. 1 × 6.906-850.0 bend ID 61, stainless steel. 2 × 6.906-851.0 suction tube 0.5 m, ID 61, stainless steel. 1 × 6.906-781.0 suction hose, plastic, ID 61, 5 m.
Industrial kit for demanding applications, socket plug connection	14	2.641-176.0	7-part	ID 61		1 × 6.906-802.0 floor tool ID 61, H-D, 500 mm. 1 × 6.903-056.0 suction nozzle ID 61, plastic. 1 × 6.900-222.0 crevice nozzle ID 61, plastic. 1 × 6.906-850.0 bend ID 61, stainless steel. 2 × 6.906-851.0 suction tube 0.5 m, ID 61, stainless steel. 1 × 6.906-777.0 PU suction hose ID 61, 5 m.

□ Available accessories. More Kärcher original accessories can be found on the following pages.

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IV SUCTION HOSES



You can find the right hose for your application here. Ensure that you select the appropriate nominal diameter of accessories and hose length for the machine.

PVC	fine and light suction waste, e.g. plastic granulate, concrete dust
EVA	very light suction waste, entry-level applications, e.g. mineral dust
PU	liquid and abrasive suction waste, e.g. cooling lubricants, oil, swarf with liquid
Rubber	liquid and abrasive suction waste, e.g. cooling lubricants, oil, swarf with liquid
ME	very hot, dry suction waste, e.g. slag
ME-PU	very abrasive suction waste with liquid, e.g. metal shavings with cooling lubricants

		Order No.	Quantity	ID	Length / width	Price	Description
PVC hoses							
Suction hose, PVC, screw connection	1	6.907-292.0	1 piece(s)	ID 42	3 m		Electrically conductive, ID 72 machine connection with star screw, slit and ID 42 accessory end hinge, max. temperature 85°C, for fine and light suction waste.
	2	6.907-293.0	1 piece(s)	ID 42	5 m		
	3	6.907-294.0	1 piece(s)	ID 52	3 m		Electrically conductive, ID 72 machine connection with star screw, slit and ID 52 accessory end hinge, max. temperature 85°C, for fine and light suction waste.
	4	6.907-295.0	1 piece(s)	ID 52	5 m		
	5	6.907-296.0	1 piece(s)	ID 72	3 m		Electrically conductive, ID 72 machine connection with star screw, slit and ID 72 accessory end hinge, max. temperature 85°C, for fine and light suction waste. Can also be used as an extension hose.
	6	6.907-297.0	1 piece(s)	ID 72	5 m		
Connection hose, PVC, screw connection	7	6.907-310.0	1 piece(s)	ID 42	3 m		Electrically conductive, ID 42 connection at both ends, slit and accessory end hinge, max. temperature 85°C, for fine and light suction waste. IVC only as an extension hose, IVR only with reduction.
	8	6.907-311.0	1 piece(s)	ID 42	5 m		
	9	6.907-312.0	1 piece(s)	ID 52	3 m		Electrically conductive, ID 52 connection at both ends, slit and accessory end hinge, max. temperature 85°C, for fine and light suction waste. IVC only as an extension hose, 3~ IVR reduction required.
	10	6.907-313.0	1 piece(s)	ID 52	5 m		
Suction hose, available by the metre, PVC, screw connection	11	9.980-645.0		ID 42			Electrically conductive, without connections, whole metres up to max. 15 m, price per metre, max. temperature 85°C, for fine and light suction waste.
	12	9.980-646.0		ID 52			
	13	9.980-677.0		ID 72			
Suction hose, PVC, socket plug connection	14	6.906-791.0	1 piece(s)	ID 51	5 m		Electrically conductive, ID 51 connection and hinge at both ends, max. temperature 85°C, for fine and light suction waste.
	15	6.906-787.0	1 piece(s)	ID 51	10 m		
	16	6.906-781.0	1 piece(s)	ID 61	5 m		Electrically conductive, ID 61 connection and hinge at both ends, max. temperature 85°C, for fine and light suction waste.
	17	6.906-782.0	1 piece(s)	ID 61	10 m		
EVA hoses							
Suction hose EVA, screw connection	18	9.988-092.0 ■	1 piece(s)	ID 42	3 m		EVA material, electrically conductive, ID 72 machine connection with star screw, slit and ID 42 accessory end hinge, highly flexible, for fine and light suction waste.
	19	9.988-093.0 ■	1 piece(s)	ID 42	5 m		
	20	9.988-094.0 ■	1 piece(s)	ID 52	3 m		EVA material, electrically conductive, ID 72 machine connection with star screw, slit and ID 52 accessory end hinge, highly flexible, for fine and light suction waste.
	21	9.988-095.0 ■	1 piece(s)	ID 52	5 m		
Connection hose EVA, screw connection	22	9.988-088.0 ■	1 piece(s)	ID 42	3 m		EVA material, electrically conductive, ID 42 connection at both ends, slit and accessory end hinge, highly flexible, for fine and light suction waste. IVC only as an extension hose, IVR only with reduction.
	23	9.988-089.0 ■	1 piece(s)	ID 42	5 m		
	24	9.988-090.0 ■	1 piece(s)	ID 52	3 m		EVA material, electrically conductive, ID 52 connection at both ends, slit and accessory end hinge, highly flexible, for fine and light suction waste. IVC only as an extension hose, IVR only with reduction.
	25	9.988-091.0 ■	1 piece(s)	ID 52	5 m		

■ NEW □ Available accessories. More Kärcher original accessories can be found on the following pages.

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		Order No.	Quantity	ID	Length / width	Price	Description
PU hoses							
Suction hose, PU, screw connection	26	6.907-298.0	1 piece(s)	ID 42	3 m		Electrically conductive, ID 72 machine connection with star screw, slit and ID 42 accessory end hinge, max. temperature 80°C, for liquids and abrasive solids.
	27	6.907-299.0	1 piece(s)	ID 42	5 m		
	28	6.907-300.0	1 piece(s)	ID 52	3 m		Electrically conductive, ID 72 machine connection with star screw, slit and ID 52 accessory end hinge, max. temperature 80°C, for liquids and abrasive solids.
	29	6.907-301.0	1 piece(s)	ID 52	5 m		
	30	6.907-302.0	1 piece(s)	ID 72	3 m		Electrically conductive, ID 72 machine connection with star screw, slit and ID 72 accessory end hinge, max. temperature 80°C, for liquids and abrasive solids. Can also be used as an extension hose.
	31	6.907-303.0	1 piece(s)	ID 72	5 m		
Connection hose, PU, screw connection	32	6.907-314.0	1 piece(s)	ID 42	3 m		Electrically conductive, ID 42 connection at both ends, slit and accessory end hinge, max. temperature 80°C, for liquids and abrasive solids. IVC only as an extension hose, IVR only with reduction.
	33	6.907-315.0	1 piece(s)	ID 42	5 m		
	34	6.907-316.0	1 piece(s)	ID 52	3 m		Electrically conductive, ID 52 connection at both ends, slit and accessory end hinge, max. temperature 80°C, for liquids and abrasive solids. IVC only as an extension hose, 3~ IVR reduction required.
	35	6.907-317.0	1 piece(s)	ID 52	5 m		
Suction hose, available by the metre, PU, screw connection	36	9.980-678.0		ID 42			Electrically conductive, without connections, whole metres up to max. 15 m, price per metre, max. temperature 80°C, for liquids and abrasive solids.
	37	9.980-649.0		ID 52			
	38	9.980-650.0		ID 72			
PU extension hose, stainless steel connections	39	9.988-124.0		ID 52			Electrically conductive, ID 52 stainless steel connections at both ends, slit and accessory end hinge, max. temperature 80°C, for liquids and solids, food-grade. IVC and IVS reduction required.
Suction hose, available by the metre, light PU, screw connection	40	9.980-679.0		ID 42			Electrically conductive, without connections, whole metres up to max. 15 m, price per metre, max. temperature 80°C, for liquids and solids.
	41	9.980-680.0		ID 52			
	42	9.980-681.0		ID 72			
Suction hose, PU, socket plug connection	43	6.906-786.0	1 piece(s)	ID 51	5 m		Electrically conductive, ID 51 connection and hinge at both ends, max. temperature 80°C, for liquids and abrasive solids.
	44	6.906-788.0	1 piece(s)	ID 51	10 m		
	45	6.906-777.0	1 piece(s)	ID 61	5 m		Electrically conductive, ID 61 connection and hinge at both ends, max. temperature 80°C, for liquids and abrasive solids.
	46	6.906-778.0	1 piece(s)	ID 61	10 m		
Rubber hoses							
Suction hose, rubber, socket plug connection	47	6.906-789.0	1 piece(s)	ID 51	5 m		Electrically conductive, ID 51 connection and hinge at both ends, max. temperature 80°C, for liquids and very abrasive solids.
	48	6.906-779.0	1 piece(s)	ID 61	5 m		Electrically conductive, ID 61 connection and hinge at both ends, max. temperature 80°C, for liquids and very abrasive solids.

□ Available accessories. More Kärcher original accessories can be found on the following pages.

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		Order No.	Quantity	ID	Length / width	Price	Description
Metal hoses							
Suction hose, ME-PU, screw connection	49	6.907-304.0	1 piece(s)	ID 42	3 m		Electrically conductive, ID 72 machine connection with star screw, slit and ID 42 accessory end hinge, max. temperature 110°C, for metal shavings with liquids.
	50	6.907-305.0	1 piece(s)	ID 42	5 m		
	51	6.907-306.0	1 piece(s)	ID 52	3 m		Electrically conductive, ID 72 machine connection with star screw, slit and ID 52 accessory end hinge, max. temperature 110°C, for metal shavings with liquids.
	52	6.907-307.0	1 piece(s)	ID 52	5 m		
	53	6.907-308.0	1 piece(s)	ID 72	3 m		Electrically conductive, ID 72 machine connection with star screw, slit and ID 72 accessory end hinge, max. temperature 110°C, for metal shavings with liquids. Can also be used as an extension hose.
	54	6.907-309.0	1 piece(s)	ID 72	5 m		
Connection hose, ME-PU, screw connection	55	6.907-318.0	1 piece(s)	ID 42	3 m		Electrically conductive, ID 42 connection at both ends, slit and accessory end hinge, max. temperature 110°C, for metal shavings with liquids. IVC only as an extension hose, IVR only with reduction.
	56	6.907-319.0	1 piece(s)	ID 42	5 m		
	57	6.907-320.0	1 piece(s)	ID 52	3 m		Electrically conductive, ID 52 connection at both ends, slit and accessory end hinge, max. temperature 110°C, for metal shavings with liquids. IVC only as an extension hose, 3" IVR reduction required.
	58	6.907-321.0	1 piece(s)	ID 52	5 m		
Suction hose, available by the metre, ME-PU, screw connection	59	9.980-647.0		ID 42			Electrically conductive, without connections, whole metres up to max. 15 m, price per metre, max. temperature 110°C, for metal shavings with liquids.
	60	9.980-707.0		ID 52			
Suction hose, ME, socket plug connection	61	6.906-784.0	1 piece(s)	ID 51	5 m		Electrically conductive, ID 51 connection and hinge at both ends, max. temperature 400°C, for hot solids, not suitable for liquids.
	62	6.906-775.0	1 piece(s)	ID 61	5 m		Electrically conductive, ID 61 connection and hinge at both ends, max. temperature 400°C, for hot solids, not suitable for liquids.

□ Available accessories. More Kärcher original accessories can be found on the following pages.

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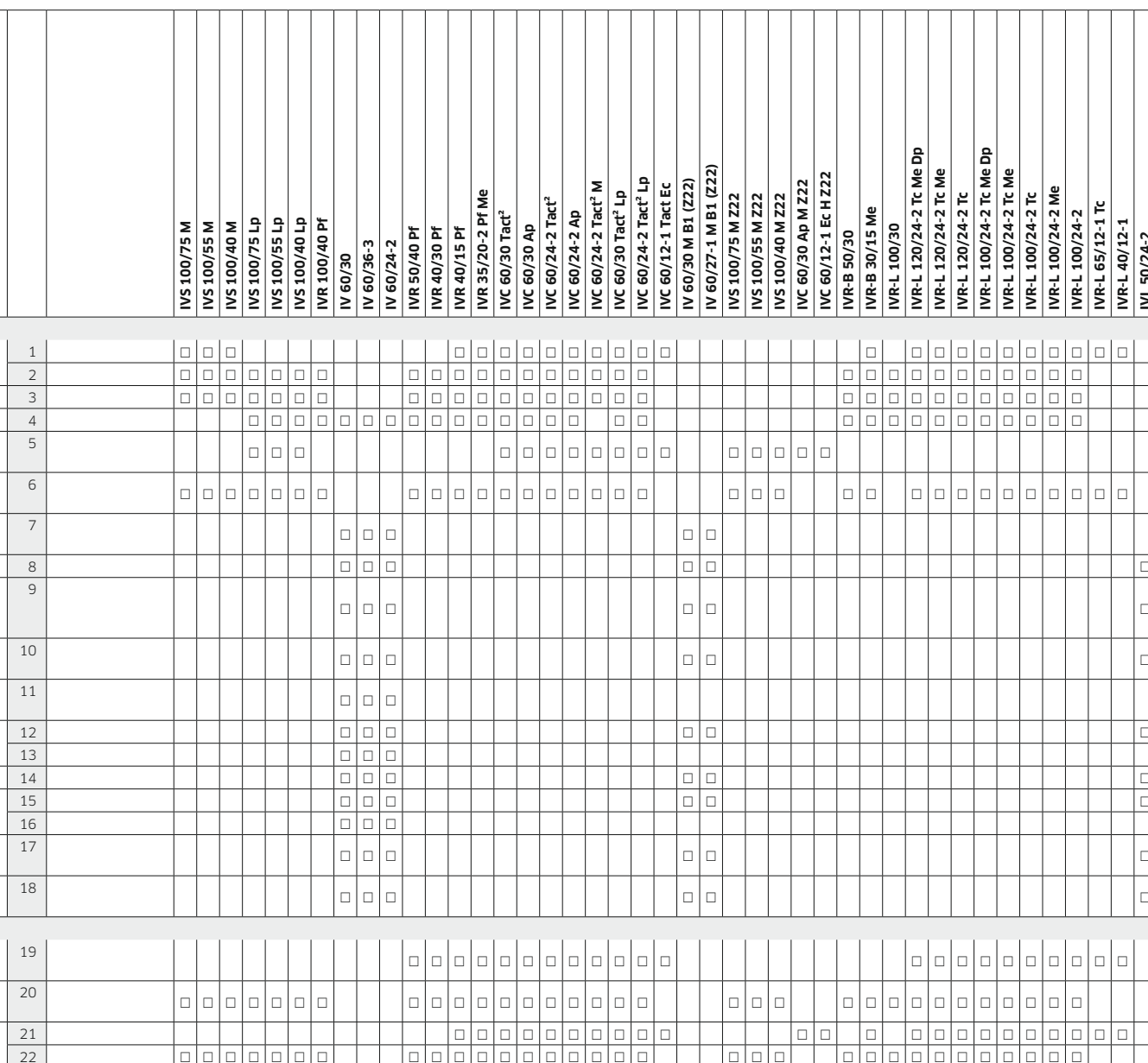
IV NOZZLES



For small or large surfaces, wet or dry suction material – the robust nozzles for industrial vacuums are designed for the toughest jobs.

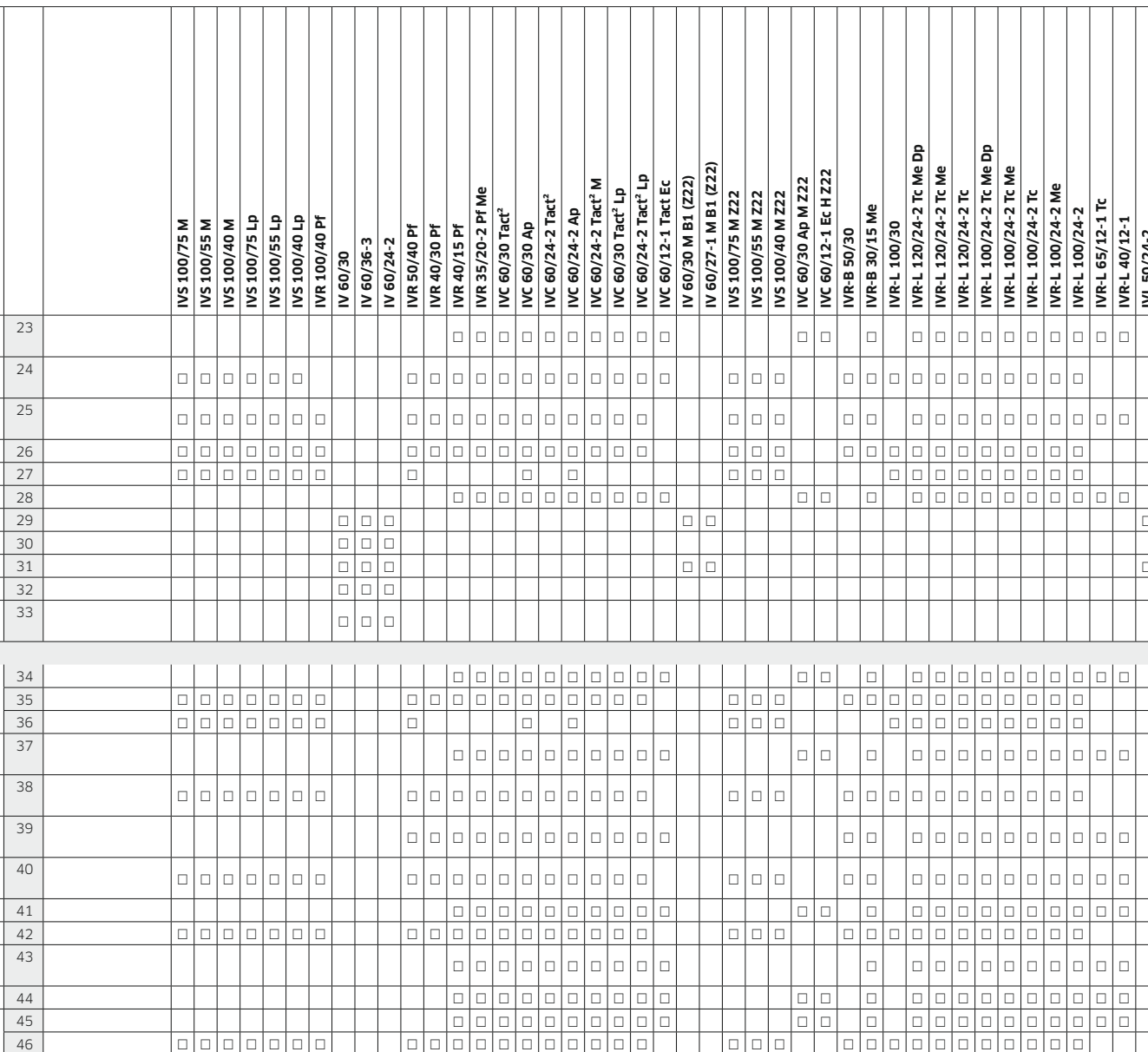
		Order No.	Quantity	ID	Length / width	Price	Description
Floor nozzles							
Multi-purpose floor nozzle, wet/dry	1	6.902-185.0	1 piece(s)	ID 42	370 mm		Multi-purpose nozzle for floor cleaning, width 370 mm.
	2	6.902-184.0	1 piece(s)	ID 52	370 mm		
	3	6.902-186.0	1 piece(s)	ID 52	500 mm		Multi-purpose nozzle for floor cleaning, width 500 mm.
Brush strip	4	6.903-067.0	2 -part		500 mm		Brush strip for multi-purpose nozzle, 500 mm 6.902-186.0.
Multi-purpose nozzle, Ex-approved	5	6.902-213.0	1 piece(s)	ID 42	370 mm		Multi-purpose nozzle for floor cleaning, electrically conductive, ATEX-approved, width 370 mm, ID 42.
Multi-purpose nozzle, stainless steel	6	9.988-115.0	1 piece(s)	ID 52	370 mm		Multi-purpose floor nozzle, stainless steel, ID 52, food-grade
Floor nozzle, wet/dry	7	6.906-814.0	1 piece(s)	ID 51	370 mm		Aluminium, oil-resistant, with height-adjustable rollers, brush strips and rubber strips; Rubber strip set 6.903-081.0.
Rubber strip set	8	6.903-081.0	2 -part		370 mm		Rubber strip set, oil-resistant, for floor nozzle 6.906-814.0.
Floor nozzle, wet/dry	9	4.130-412.0	1 piece(s)	ID 51	500 mm		Aluminium, oil-resistant, with height-adjustable rollers, brush strips and rubber strips; brush strip set 6.903-067.0; rubber strip set 6.906-168.0.
Rubber strip set	10	6.906-168.0	2 -part		500 mm		Rubber strip set, oil-resistant, for floor nozzle 4.130-412.0 and -413.0.
Floor nozzle, wet/dry	11	4.130-413.0	1 piece(s)	ID 61	500 mm		Aluminium, oil-resistant, with height-adjustable rollers, brush strips 6.903-067.0 and squeegees 6.906-168.0.
Heavy-duty floor nozzle	12	6.906-793.0	1 piece(s)	ID 51	500 mm		Cast aluminium floor nozzle with height-adjustable rollers for demanding applications.
	13	6.906-802.0	1 piece(s)	ID 61	500 mm		
Rubber strip for floor nozzle	14	6.906-833.0	1 piece(s)		500 mm		Rubber strip, oil-resistant, for floor nozzle 6.906-793.0 and -802.0.
Triangular nozzle	15	6.906-796.0	1 piece(s)	ID 51	300 mm		Cast aluminium surface nozzle for demanding applications.
(cast aluminium, squeegee)	16	6.906-805.0	1 piece(s)	ID 61	300 mm		
Steel strip for triangular nozzle	17	6.906-835.0	1 piece(s)		300 mm		Steel bar for surface nozzle 6.906-796.0 and -805.0. As replacement for 6.906-795.0 and -804.0.
Rubber strip for triangular nozzle	18	6.906-834.0	1 piece(s)		300 mm		Rubber strip, oil-resistant, for surface nozzle 6.906-796.0 and -805.0.
Crevice tools							
Crevice nozzle, lightweight plastic	19	9.988-116.0	1 piece(s)	ID 42			Multi-purpose crevice nozzle, plastic, ID 42.
	20	9.988-117.0	1 piece(s)	ID 52			Multi-purpose crevice nozzle, plastic, ID 52.
Crevice nozzle, plastic	21	6.902-195.0	1 piece(s)	ID 42	290 × 13 mm		Crevice nozzle, plastic, steel connection, nozzle width 13 mm.
	22	6.902-194.0	1 piece(s)	ID 52	340 × 13 mm		

■ NEW □ Available accessories. More Kärcher original accessories can be found on the following pages.



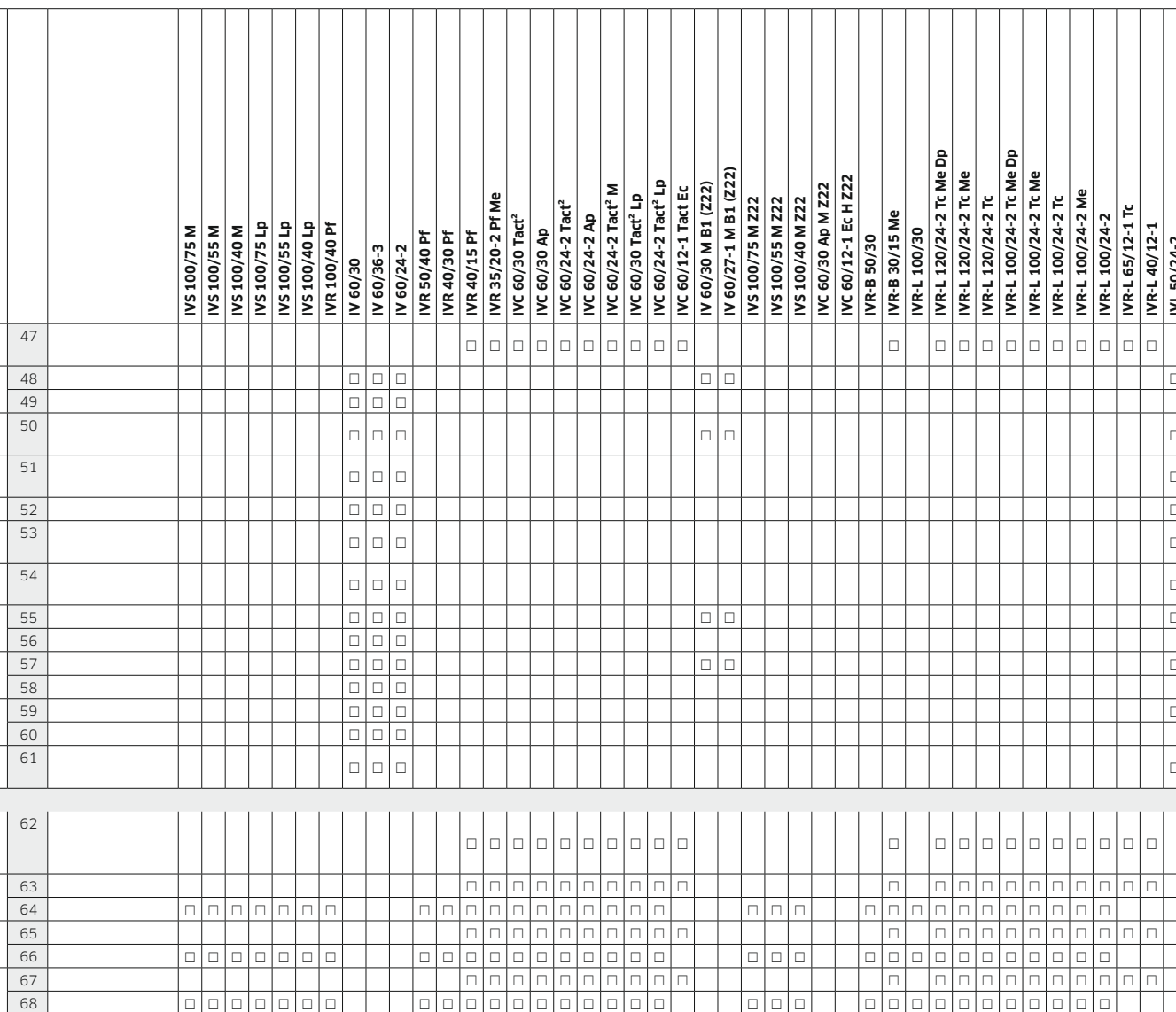
		Order No.	Quantity	ID	Length / width	Price	Description
Crevice nozzle, plastic, flexible	23	6.902-210.0	1 piece(s)	ID 42	340 × 20 mm		Bendable plastic crevice nozzle (ID 42) with a nozzle width of 20 mm. Ideal for flexible applications thanks to high manoeuvrability.
	24	6.902-211.0	1 piece(s)	ID 52	425 × 20 mm		Bendable crevice nozzle (ID 52) made of plastic for flexible applications, with a nozzle width of 20 mm.
Crevice nozzle, stainless steel	25	9.988-123.0	1 piece(s)	ID 52			Crevice nozzle, stainless steel, ID 42, food-grade.
Crevice nozzle, galvanised	26	6.902-189.0	1 piece(s)	ID 52	350 × 17 mm		Crevice nozzle, zinc-coated, ID 52, nozzle width 17 mm.
	27	6.902-191.0	1 piece(s)	ID 72	350 × 30 mm		Crevice nozzle, zinc-coated, ID 72, nozzle width 30 mm.
Crevice nozzle, zinc-coated, flexible	28	6.902-190.0	1 piece(s)	ID 42	490 × 17 mm		Crevice nozzle, steel, flexible, ID 42, nozzle width 10 mm.
Crevice nozzle, plastic	29	6.906-768.0	1 piece(s)	ID 51	370 × 50 mm		Crevice nozzle, plastic, ID 51, nozzle width 50 mm.
	30	6.900-222.0	1 piece(s)	ID 61	370 × 64 mm		Crevice nozzle, plastic, ID 61, nozzle width 64 mm.
Crevice nozzle, stainless steel	31	6.906-771.0	1 piece(s)	ID 51	400 × 70 mm		Crevice nozzle, stainless steel, ID 51, nozzle width 70 mm.
	32	6.900-926.0	1 piece(s)	ID 61	370 × 90 mm		Crevice nozzle, stainless steel, ID 61, nozzle width 90 mm.
Crevice nozzle, stainless steel, curved	33	6.906-831.0	1 piece(s)	ID 51	460 × 75 mm		Crevice nozzle, curved, 30°, stainless steel, ID 51, nozzle width 75 mm.
Other nozzles							
Flexible nozzle, plastic	34	6.902-197.0	1 piece(s)	ID 42	220 mm		Flexible nozzle, plastic, steel connection.
	35	6.902-196.0	1 piece(s)	ID 52	250 mm		
	36	6.902-198.0	1 piece(s)	ID 72	260 mm		
Elongated round nozzle, rubber	37	6.902-200.0	1 piece(s)	ID 42	315 mm		Suction nozzle, rubber, round, for cutting to the required suction diameter.
	38	6.902-199.0	1 piece(s)	ID 52	315 mm		Suction nozzle, rubber, round, for cutting to the required suction diameter.
Nozzle, angled, food-grade	39	9.988-118.0	1 piece(s)	ID 42			Rubber nozzle, angled, ID 42, food-grade.
	40	9.988-119.0	1 piece(s)	ID 52			Rubber nozzle, angled, ID 52, food-grade.
Round brush, angled	41	6.902-193.0	1 piece(s)	ID 42			Suction brush, round, 45°.
	42	6.902-192.0	1 piece(s)	ID 52			Suction brush, round 45°.
Straight suction and air nozzle	43	6.902-205.0	1 piece(s)	ID 42			For vacuuming out blind holes and other uneven surfaces. Separate compressed air connection required.
Surface brushes	44	6.902-204.0	1 piece(s)	ID 42	120 mm		Surface nozzle with brush insert, plastic, width 120 mm, ID 42.
Surface nozzle, aluminium	45	6.902-188.0	1 piece(s)	ID 42	150 mm		Surface nozzle, aluminium, width 150 mm.
	46	6.902-187.0	1 piece(s)	ID 52	150 mm		

■ NEW □ Available accessories. More Kärcher original accessories can be found on the following pages.



		Order No.	Quantity	ID	Length / width	Price	Description
Tube suction nozzle	47	6.902-207.0	1 piece(s)	ID 42			For cleaning tubes and other line systems with a diameter of up to 200 mm.
Rubber suction nozzle, 45°	48	6.902-146.0	1 piece(s)	ID 51	220 mm		Angled 45°, for vacuuming of machines, oil-resistant.
	49	6.902-106.0	1 piece(s)	ID 61	220 mm		
Elongated round nozzle, rubber	50	6.906-764.0	1 piece(s)	ID 51	370 mm		Suction nozzle, rubber, round, for cutting to the required suction diameter.
Round brush, angled	51	6.906-798.0	1 piece(s)	ID 51	120 mm		Surface nozzle, round, with brush D = 120 mm, for gentle vacuuming of machine surfaces.
Brush crown, round, for replacement	52	6.906-809.0	1 piece(s)				For round brushes 6.906-798.0.
Straight brush, angled	53	6.906-797.0	1 piece(s)	ID 51	370 mm		Surface nozzle, straight, with 370 mm brush, for gentle vacuuming of machine surfaces.
Brush crown, straight, for replacement	54	6.906-808.0	1 piece(s)				For straight brushes 6.906-797.0.
Scratcher and scraper nozzle, plastic	55	6.906-773.0	1 piece(s)	ID 51	100 mm		Suction nozzle, plastic, for vacuuming machines and small surfaces.
	56	6.903-056.0	1 piece(s)	ID 61	100 mm		
Scratcher and scraper nozzle, metal	57	6.906-770.0	1 piece(s)	ID 51	117 mm		Scratcher and scraper nozzle, steel.
	58	6.903-360.0	1 piece(s)	ID 61	104 mm		
Surface nozzle, aluminium	59	4.130-414.0	1 piece(s)	ID 51	200 mm		Surface nozzle, aluminium, with brush and stainless steel bumper.
	60	4.130-415.0	1 piece(s)	ID 61	200 mm		
Tube suction nozzle	61	6.906-837.0	1 piece(s)	ID 51			For cleaning tubes and other line systems with a diameter of up to 250 mm.
Suction nozzles							
Suction and air nozzle, 90°-angled	62	9.981-926.0	1 piece(s)	ID 42			For easy vacuuming of all kinds of recesses – for example blind holes. Please note that a separate compressed air connection is required.
Vacuum brush	63	9.981-911.0	1 piece(s)	ID 42	300 mm		Vacuum brush, 300 mm, with 45° connection, with star screw, horsehair bristles.
	64	9.981-912.0	1 piece(s)	ID 52	300 mm		
Crevice nozzle, zinc-coated, flexible	65	9.981-423.0	1 piece(s)	ID 42	490 × 20 mm		Crevice nozzle, steel, zinc-coated, flexible, slit width 20 mm.
	66	9.981-425.0	1 piece(s)	ID 52	490 × 20 mm		
Nozzle, zinc-coated, flexible, with rubber tip	67	9.981-420.0	1 piece(s)	ID 42	30 mm		Round nozzle, steel, zinc-coated, flexible, with rubber tip ID 30.
	68	9.981-421.0	1 piece(s)	ID 52	30 mm		

□ Available accessories. More Kärcher original accessories can be found on the following pages.



IV BENDS AND SUCTION TUBES



Bends and suction tubes for an ergonomic work posture while vacuuming.

		Order No.	Quantity	ID	Length / width	Price	Description
Bend, coated							
Bend, screw connection	1	6.902-202.0	1 piece(s)	ID 42			Bend, powder-coated steel, electrically conductive, with star screw.
	2	6.902-201.0	1 piece(s)	ID 52			
	3	6.902-203.0	1 piece(s)	ID 72			
Suction tube, coated							
Suction tube, screw connection	4	6.902-182.0	1 piece(s)	ID 42	750 mm		For floor cleaning in combination with bend (6.902-202.0) and ID 42 floor nozzles.
	5	6.902-181.0	1 piece(s)	ID 52	850 mm		For floor cleaning in combination with bend (6.902-201.0) and ID 52 floor nozzles.
	6	9.981-910.0 ■	1 piece(s)	ID 72	750 mm		Suction tube, ID 72, tube length, ID 750 mm. For connection with hose and bend, ID 72 (6.902-203.0).
Stainless steel bends							
Bend, stainless steel, screw connection	7	9.988-111.0 ■	1 piece(s)	ID 52			Bend, stainless steel, electrically conductive, with star screw, food grade.
Bend, stainless steel, socket plug connection	8	6.906-767.0	1 piece(s)	ID 51			The stainless steel bend has a nylon ring in the upper cone area.
	9	6.906-850.0	1 piece(s)	ID 61			This ring makes it easy to detach the bend even after prolonged use.
Suction tubes stainless steel							
Suction tube, stainless steel, screw connection	10	9.988-114.0 ■	1 piece(s)	ID 52			For floor cleaning in combination with bend and floor nozzle, stainless steel, electrically conductive, with star screw, food-grade.
Suction tube, stainless steel, socket plug connection	11	6.906-766.0	1 piece(s)	ID 51	500 mm		The suction tube (500 mm) has a nylon ring in the upper cone area.
	12	6.906-851.0	1 piece(s)	ID 61	500 mm		This ring makes it easy to detach the bend even after prolonged use.
Bend							
Bend with hook, screw connection	13	9.981-327.0	1 piece(s)	ID 42			Bend, powder-coated steel, electrically conductive, with star grip and hook for hanging hose.
	14	9.981-320.0	1 piece(s)	ID 52			

■ NEW □ Available accessories. More Kärcher original accessories can be found on the following pages.

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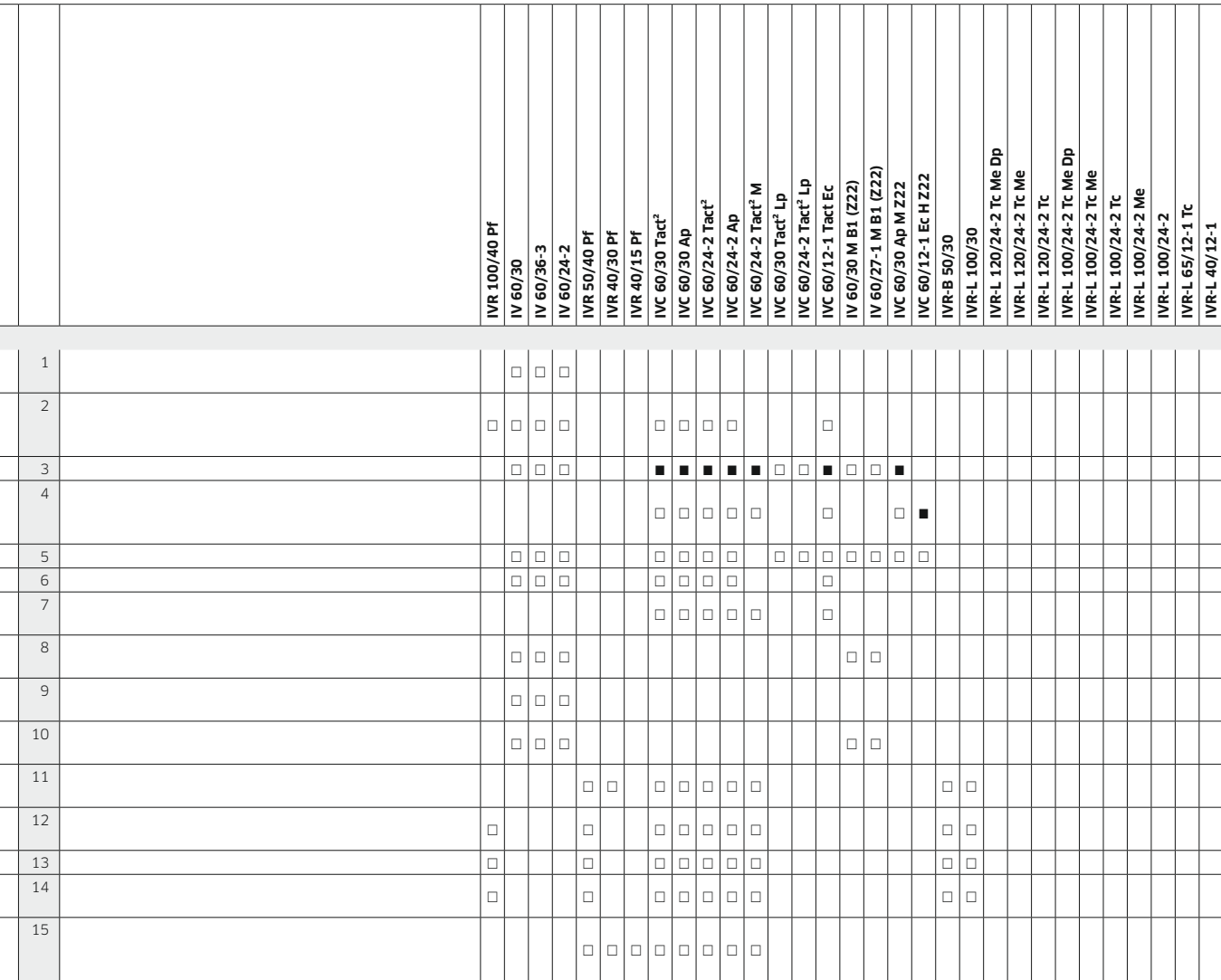
IV CONTAINERS AND PRE-SEPARATORS



Choose the right container for your machine and application.

		Order No.	Quantity	ID	Length / width	Price	Description
Suction container and swarf baskets							
Attachment kit Longopac IV 60, IV 100	1	2.050-078.0	1 piece(s)				Attachment kit for the base plate of the Longopac disposal system.
UBS Longopac disposal system	2	2.013-050.0	1 piece(s)				Clever feature of the Longopac disposal system: instead of the suction container, this attachment kit can also be used for disposal bags with the part number 6.907-506.0.
Container, stainless steel, 60 l	3	4.070-837.0	1 piece(s)				60 l stainless steel container for IV and IVC.
Container, stainless steel, 60 l, with suction hose port	4	4.070-930.0	1 piece(s)				60 l stainless steel container with suction hose port suitable for IVC and IV 60. For the use of paper filter bags (6.904-285.0) and safety filter bags (6.904-420.0).
Container, stainless steel, 100 l	5	4.070-838.0	1 piece(s)				Stainless steel container, 100 l, with 2 heights for IVC and IV.
Conversion kit liquid	6	2.882-695.0	1 piece(s)				Ball tap and chip sieve, suitable for 4.070-837.0 and 4.070-838.0.
Swarf basket IVC	7	2.860-268.0	1 piece(s)				For separating liquid and coarse solid suction waste (e.g. swarf), suitable for 4.070-837.0, 4.070-838.0 and all IVC containers.
Container, 60 l, anthracite, for dry vacuuming	8	6.394-821.0	1 piece(s)				Powder-coated container, anthracite, 60 l, for dry vacuuming, without drain tap and float.
Container, 60 l, anthracite, for wet vacuuming	9	6.394-822.0	1 piece(s)				Powder-coated container, anthracite, 60 l, with drain tap, cyclone sealing ring and float.
Swarf basket IV	10	6.394-530.0	1 piece(s)				Swarf basket, complete, for all IV 60 and IV 100, for use with wet container.
Drum separator	11	9.982-081.0	1 piece(s)	ID 52			Filling device with ID 52 connections, screw connection, for filling of e.g. 200 l drums via the bunghole.
Pre-separator cover for 200 l drum	12	9.986-371.0	1 piece(s)	ID 52			Pre-separator cover for 200 l standard drum with ball float for overflow prevention. Screw connection ID 52.
	13	9.986-370.0	1 piece(s)	ID 52			Pre-separator cover for 200 l standard drum. Screw connection ID 52.
Pre-separator, 125 l, complete	14	9.986-372.0	1 piece(s)	ID 52			Pre-separator, coated, complete with cover, ID 52 connections, ball float for overflow prevention, 125 l container and tilting chassis.
Cyclone separator, 125 l	15	9.988-125.0	1 piece(s)				Complete attachment kit including cyclone pre-separator CS 40 Me (2.863-026.0) with connections for ID 42 suction hoses, screw connection. Suitable for collecting fine suction waste such as dust.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.



		Order No.	Quantity	ID	Length / width	Price	Description
Suction container and swarf baskets							
Swarf basket, 20 l	16	9.980-852.0	1 piece(s)		400 mm		For separating liquid and coarse suction waste. Stainless steel, 20 l capacity, hole diameter 1.5 mm.
Swarf basket, 40 l	17	9.980-849.0	1 piece(s)		495 mm		For separating liquid and coarse suction waste. Stainless steel, 40 l capacity, hole diameter 1.5 mm.
Fine fleece, 40 l swarf basket	18	9.981-048.0	1 piece(s)		465 mm		Fine polyester fleece for separating fine metal shavings and liquids. With clamping ring suitable for 40 l swarf basket.
Baffle plate	19	9.984-119.0	1 piece(s)		410 mm		Baffle plate, plastic, included in standard delivery in IVR-L 40 and IVR-L 65.
	20	9.980-857.0	1 piece(s)		512 mm		Baffle plate, plastic, included in standard delivery in IVR-L 100 and IVR-L 120.
Float insert	21	9.982-118.0	1 piece(s)		435 mm		Float insert, stainless steel, for overflow prevention with ball float, central suction.
	22	9.982-117.0	1 piece(s)		540 mm		
Other accessories							
Pre-separator, 80 l	23	3.864-010.0	1 piece(s)				Complete container (80 l) and lid (ID 61). For coarse dirt and liquids (without suction hose).
Drum separator	24	3.864-012.0	1 piece(s)				Metal, from ID 61 to 61, for liquids only.
Pre-separator cover	25	4.063-132.0	1 piece(s)				For container 4.070-111.0 and spacer 6.902-051.0.
Spacer for 200 l drum	26	6.902-051.0	1 piece(s)				Metal adapter for 200-litre EURO steel drum, in conjunction with lid (pre-separator) 4.063-132.0.

■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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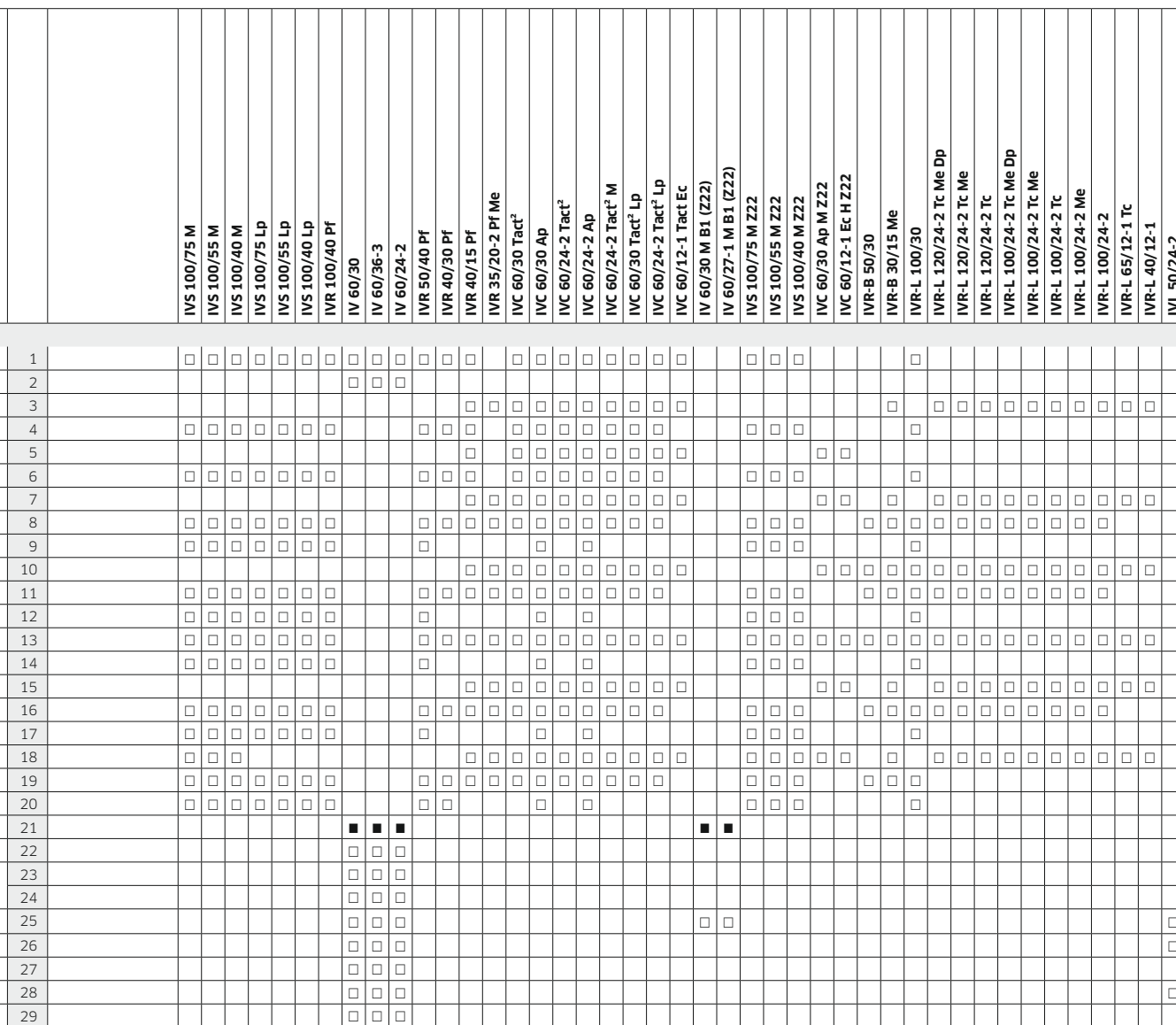
IV ADAPTERS AND SPARE PARTS



With Kärcher individual parts, you can construct your customised suction hose. Simply select the suction hose in the desired length and combine with the connection pieces.

		Order No.	Quantity	ID	Price	Description
Adapters and spare parts						
Adapter, IVC/IVR to ID 61	1	6.902-001.0	1 piece(s)	ID 61		For using IV accessories on IVC and IVR.
Adapter, IV to ID 72	2	6.902-212.0	1 piece(s)	ID 72		For using IVC accessories on IV 60, IV 100.
Reducer, ID 52 to ID 42	3	6.902-179.0	1 piece(s)	ID 52		Reducer from ID 52 to ID 42.
Reducer, ID 72 to ID 52	4	6.902-180.0	1 piece(s)	ID 72		Reduction piece from ID 72 to ID 52.
Vacuum connector, ID 72 to ID 42	5	6.902-178.0	1 piece(s)	ID 72		For attaching to ID 72 suction hose ports and reduction on ID 42 hoses.
Vacuum connector, ID 72 to ID 52	6	6.902-177.0	1 piece(s)	ID 72		For attaching to ID 72 suction hose ports and reduction on ID 52 hoses.
Hose connection	7	6.902-170.0	1 piece(s)	ID 42		For attachment to hose ID 42, with star screw.
	8	6.902-168.0	1 piece(s)	ID 52		For attachment to hose ID 52, with star screw.
	9	6.902-173.0	1 piece(s)	ID 72		For attachment to hose ID 72, with star screw.
Hose connection, rotatable	10	6.902-172.0	1 piece(s)	ID 42		Rotatable, for attachment to hose ID 42, with star screw.
	11	6.902-169.0	1 piece(s)	ID 52		Rotatable, for attachment to hose ID 52, with star screw.
	12	6.902-175.0	1 piece(s)	ID 72		Rotatable, for attachment to hose ID 72, with star screw.
Hose clamp	13	6.902-167.0	1 piece(s)	ID 42		For attaching hose to connection ID 42/52.
	14	6.902-176.0	1 piece(s)	ID 72		For attaching hose to connection ID 72.
Hose sleeve	15	6.902-171.0	1 piece(s)	ID 42		For covering the hose clamp connection ID 42.
	16	6.902-166.0	1 piece(s)	ID 52		For covering the hose clamp connection ID 52.
	17	6.902-174.0	1 piece(s)	ID 72		For covering the hose clamp connection ID 72.
Star grip, M 6	18	6.303-555.0	1 piece(s)	ID 42		M 6 star knob, replacement for all bends and connectors ID 42.
Star grip, M 8	19	6.303-554.0	1 piece(s)	ID 52		Star grip M 8 as replacement for all bends and ID 52/72 tap adapters.
Y connector ID 72 to 2 × ID 52	20	6.902-206.0	1 piece(s)	ID 72		Junction for machine connection ID 72 to two ID 52 connections.
Suction connection	21	6.789-003.0	1 piece(s)	ID 51		Connection piece for connecting ID 51 industrial hoses to an IV.
	22	6.789-004.0	1 piece(s)	ID 61		Connection piece for connecting ID 61 industrial hoses to an IV.
Y connector	23	6.789-001.0	1 piece(s)	ID 51		Tap adapter for connecting 2 ID 51 industrial hoses to an IV.
	24	6.789-002.0	1 piece(s)	ID 61		
Reduction piece, ID 61 on ID 51	25	6.902-147.0	1 piece(s)	ID 61		Reducer for connecting ID 51 accessories to a ID 61 suction hose.
Adapter	26	6.906-799.0	1 piece(s)	ID 51		Connecting adapter for connecting 2 ID 51 suction hoses.
	27	6.906-800.0	1 piece(s)	ID 61		Connecting adapter for connecting 2 ID 61 suction hoses.
Hose connection, rotatable	28	6.906-810.0	1 piece(s)	ID 51		Rotatable, for attachment to hose ID 51, socket plug connection.
	29	6.906-811.0	1 piece(s)	ID 61		Rotatable, for attachment to hose ID 61, socket plug connection.

■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.



		Order No.	Quantity	ID	Price	Description
Adapters and spare parts						
Vacuum connector, 90°	30	9.981-313.0	1 piece(s)	ID 72		90° connector for IVR vacuums with connection adapter ID 72 and hook for hose attachment, rotatable through 360°.
Vacuum connector 115°	31	9.986-213.0	1 piece(s)	ID 52		115° connector for IVR-L vacuums with connection adapter ID 52 and hook for hose attachment, rotatable through 360°.
Vacuum connector 115°, stainless steel	32	9.988-112.0 ■	1 piece(s)	ID 52		Connection 115° with ID 52 connection thread, rotatable through 360°, stainless steel, food grade.
Hose connection	33	9.981-260.0	1 piece(s)	ID 42		For attachment to hose ID 42, with slit and hook for hose attachment.
	34	9.981-261.0	1 piece(s)	ID 52		For attachment to hose ID 52, with slit and hook for hose attachment.
	35	9.981-145.0	1 piece(s)	ID 72		For attachment to hose ID 72, with slit and hook for hose attachment.
Accessories connection	36	9.981-325.0	1 piece(s)	ID 52		Rotatable, for attachment to hose ID 52, inner taper for attaching accessories.
	37	9.981-326.0	1 piece(s)	ID 72		Rotatable, for attachment to hose ID 72, inner taper for attaching accessories.
Y-adapter ID 52 to 2 × ID 42	38	9.981-149.0	1 piece(s)	ID 52		Junction for machine connection ID 52 to two ID 42 connections.
Roller attachment kit	39	9.986-099.0	4 -part			Roller attachment kit for attaching to build-in units. For using IVR-B for mobile applications.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.

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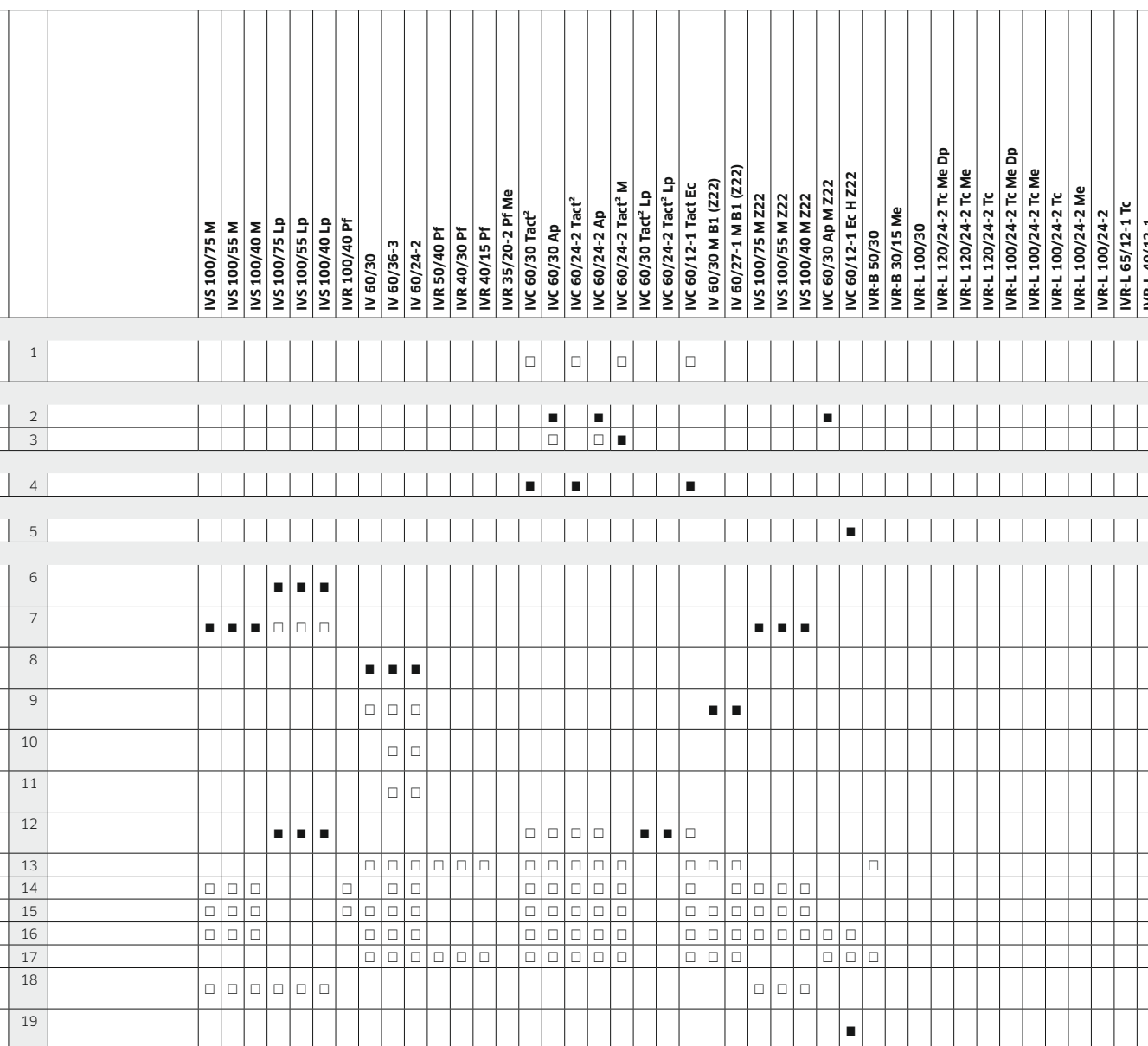
IV FILTERS AND WASTE DISPOSAL BAGS



Flat pleated filters save time, space and resources. Star and pocket filters have long working times and are particularly suitable for adhesive suction waste with a high level of residual moisture.

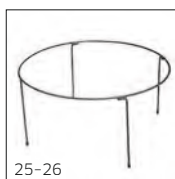
		Order No.	Quantity	Length / width	Price	Description
Flat pleated filter, PTFE						
Flat pleated filter, PTFE	1	6.907-449.0	1 piece(s)			Polyester fleece with PTFE coating, dust class M, for Tact ² vacuum cleaners. Particularly suitable for very adhesive materials.
Flat pleated filter, paper						
Flat pleated filter, paper	2	6.904-283.0	1 piece(s)			Paper, dust class M (also NT 65/2 Eco / opt. for NT 75/2 Eco Tc models).
	3	6.907-276.0	1 piece(s)			Paper, approved for dust class M.
Flat pleated filter, PES						
Flat pleated filter, PES	4	6.907-277.0	1 piece(s)			Polyester fleece, rot-proof, dust class M.
HEPA, dust class H filter						
HEPA flat pleated filter	5	6.904-364.0	1 piece(s)			HEPA flat pleated filter, dust class H (HEPA 13).
Filters and waste disposal bags						
Star filter IVS	6	6.907-611.0	1 piece(s)			Microfibre star filter, dust class M, replacement for IVS and IVS Lp.
Star filter IVS Z22	7	9.988-120.0	1 piece(s)			Microfibre star filter, electrically conductive, dust class M, replacement for IVS Z22.
Star filter, white, IV 60 and IV 100/40-55	8	6.904-341.0	1 piece(s)			Star filter, white, replacement for IV 60 and 100, but not for "M B1" and 100/75.
Star filter, green, dust filter class M	9	6.904-342.0	1 piece(s)			Star filter, green, replacement for IV 60 and 100 M B1, but not 100/75 (M B1); must be used for M B1 machines!
Absolute filter attachment kit BIA-H for IV 60-100	10	6.904-365.0	1 piece(s)			BIA-H filter attachment kit, complete with mounting parts for numerous IV 60s and IV 100s.
BIA-H absolute filter (replacement)	11	6.904-345.0	1 piece(s)			BIA-H absolute filter, replacement for 6.904-365.0 and IV 100/55 H B1.
Longopac disposal bag Mini	12	6.907-506.0	4 piece(s)			Longopac disposal bag for use with special attachment kit (part number 2.013-050) from the Longopac disposal system programme.
Disposal bags, paper	13	6.904-346.0	10 piece(s)			Disposal bag, paper, 60 l, for low-dust disposal of suction waste.
	14	6.904-347.0	10 piece(s)			Disposal bag, paper, 60-100 l, for low-dust disposal of suction waste.
Disposal bags, PE	15	6.904-348.0	20 piece(s)			Disposal bag, PE, 20 pcs, 60-100 l, for low-dust disposal of suction waste.
	16	6.907-336.0	5 piece(s)			Disposal bag, PE, 5 pcs, 100 l, for low-dust disposal of suction waste.
	17	6.907-347.0	5 piece(s)			Disposal bag, PE, 5 pcs, 50 l, for low-dust disposal of suction waste.
Disposal bags, PE, for IVS	18	6.907-609.0	5 piece(s)			Disposal bags, PE, 5 pcs, 100 l, for low-dust disposal of suction waste, with integrated pressure compensation.
Safety filter bags	19	6.904-420.0	5 piece(s)			For dust-free/low-dust emptying in combination with container 4.070-930.0, BIA-C, dust class M, with dust disposal bag, electrically conductive.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories can be found on the following pages.



		Order No.	Quantity	Length / width	Price	Description
Filters and waste disposal bags						
Surface filter	20	9.980-225.0	1 piece(s)	370 mm		Surface filter, 0.25 m², polyester needle felt, dust filter class L.
	21	9.980-179.0	1 piece(s)	480 mm		Surface filter, 0.45 m², polyester needle felt, dust filter class L.
Pocket filter	22	9.980-227.0	1 piece(s)	400 mm		Pocket filter, 1.4 m², antistatic, dust filter class M.
	23	9.981-681.0	1 piece(s)	490 mm		Pocket filter, 1.75 m², antistatic, dust filter class M.
Cartridge filter	24	9.980-219.0	1 piece(s)	190 mm		Cartridge filter, 0.7 m², antistatic, dust filter class M.
Downholder	25	9.980-140.0	1 piece(s)			Downholder for waste disposal bags, 50 l, 6.907-347.0. Prevents the bag from being vacuumed up during vacuuming operation.
	26	9.980-141.0	1 piece(s)			Downholder for waste disposal bags, 100 l, 6.907-336.0. Prevents the bag from being vacuumed up during vacuuming operation.

■ Included in delivery. More Kärcher original accessories can be found on the following pages.

[illegible]

IV OTHER ACCESSORIES



By emptying with a crane or forklift truck you can quickly and easily empty filled containers up to 260 kg.

		Order No.	Quantity	ID	Length / width	Price	Description
Miscellaneous							
Remote control IVS 100	1	6.907-612.0 ■	1 piece(s)				Remote control for IVS machines. For control panel with up to 30 m distance.
Crane- and forklift-emptying device	2	2.642-842.0	1 piece(s)				For container emptying of all IV and IVC containers with a crane or forklift truck. Empty using a crank mechanism. Max. 260 kg.
IVC wide nozzle	3	2.642-864.0	1 piece(s)	ID 42	877 mm		For cleaning large areas. Height adjustable +/- 4 mm, 877 mm working width.
Metal funnel IVS, IVC	4	5.013-097.0 ■	1 piece(s)				IVS spacer with cone. For cyclone-like pre-separation of suction waste.
Cable drum with 25 m cable	5	9.982-080.0 ■	1 piece(s)				AC cable drum with 25 m cable, for fixing in accessories holder 6.645-412.0.
Power cable storage compartment	6	5.037-240.0	1 piece(s)				For hanging the power cord on the push handle.
IVC accessories holder	7	4.645-412.0	1 piece(s)				For attaching IVC accessories with nominal widths ID 42 and ID 52. Attaches to IVC frame.
IVC drip tray	8	5.039-065.0	1 piece(s)				For collecting dirt residues from the floor nozzle.

■ NEW □ Available accessories. More Kärcher original accessories can be found on the following pages.

345

DRY VACUUM CLEANERS FOR PROFESSIONAL MAINTENANCE CLEANING

Our dry vacuum cleaners have to pass stringent tests before they leave the factory. These machines are extremely lightweight, robust, durable and quiet. They have been specially developed for professional use in hotels, offices and retail and satisfy the highest requirements in the area of professional building cleaning. Our new battery-operated vacuum cleaners are now also considerably more powerful. The same excellent cleaning results can be achieved as with mains-operated machines - only cordlessly and more flexibly.



Table of contents: Dry vacuum cleaners

Dry vacuum cleaners	Page 348
Battery-operated dry vacuum cleaners	Page 362
Backpack vacuums	Page 363
Battery-powered electric brooms	Page 364
Upright brush-type vacuum cleaners	Page 366
Accessories	Page 374



Dry vacuum cleaners

Kärcher dry vacuum cleaners are robust, durable and powerful machines. Ideal for tradesmen: the T 8/1 L with ergonomic carrying strap.

ecoefficiency dry vacuum cleaners

Our dry vacuum cleaners with ecoefficiency function consume less and do more. And they are quiet enough for use in noise-sensitive areas.

Battery-operated dry vacuum cleaners





Cordless flexibility without compromise: our battery-operated dry vacuum cleaners.

How to read the unit names:

Model	Container capacity Working width	Turbines	Type and equipment	Configuration options
Example: T Example: CV Example: EB	15 38 30	1 2 1	ecoefficiency Adv	Li-Ion
T = Dry vacuum cleaners BV = Backpack Vacuum EB = Electric Broom, battery-powered electric broom CV = Carpet Vacuum, upright brush-type vacuum cleaner	In unit names with a combination of figures, for dry vacuum cleaners the first number stands for the container capacity (in litres). For EB and CV machines , the first number stands for the working width of the roller brush (in centimetres).	In unit names with a combination of figures, the second number stands for the number of turbines.	Without designation = Standard equipment Classic = Basic equipment Adv = Advanced, with additional equipment RS = Ride-on/Step-on, step-on machines ecoefficiency = Machine with ecoefficiency function	Bp = Battery-powered Pack = Package (battery and charger included in delivery) Li-Ion = Lithium-ion battery

DRY VACUUM CLEANERS: INDEPENDENT AND QUIET

In many industries, it is the smart, clever solutions that count. For example, significantly quieter operation, easy and quick power cord replacement and complete accessory integration. These are the features of Kärcher dry vacuum cleaners that impress professional operators such as building service contractors, cleaning personnel in hotels or the retail sector.

	Order No.	Container capacity (l)	Air flow rate (l/s)	Vacuum (mbar / kPa)	Protection class	Antistatic bend	Energy efficiency class*	Annual energy use* kWh/year	Carpet cleaning performance class	Hard floor cleaning performance class	Dust re-emission class	Sound power level dB(A)	Nominal power consumption W	Page	
	Dry vacuum cleaners														
	T 15/1 ecoefficiency	1.355-246.0	15	43	230 / 23	II	■	A	23.9	D	C	D	70	750	352
	T 17/1 ecoefficiency	1.355-140.0	17	43	230 / 23	II	■	A	24.4	D	D	E	71	750	353
	T 12/1 ecoefficiency	1.355-135.0	12	43	230 / 23	II	■	A	24.4	D	D	E	71	750	353
	T 10/1 ecoefficiency	1.527-413.0	10	55	210 / 21	II	■	B	28.1	F	C	E	67	750	353
	T 7/1 ecoefficiency	1.527-145.0	7	55	210 / 21	II	■	B	28.1	F	C	E	67	750	353
	T 15/1 + ESB 34	1.355-245.0	15	61	244 / 24.4	II	■	E	51.8	C	▽	C	77	1300	355
	T 15/1 HEPA + ESB 28	1.355-242.0	15	61	244 / 24.4	II	■	G	60.9	E	▽	B	76	1180	355
	T 15/1 HEPA	1.355-235.0	15	61	244 / 24.4	II	■	E	48.3	E	C	B	73	1150	355
	T 15/1	1.355-200.0	15	61	244 / 24.4	II	■	E	48.3	E	C	C	73	1150	355
	T 17/1	1.355-131.0	17	61	244 / 24.4	II	■	E	49.8	E	A	C	77	1150	356
	T 12/1	1.355-100.0	12	61	244 / 24.4	II	■	E	49.8	E	A	C	77	1150	357
	T 12/1 Hf	■ 1.355-147.0	12	54	227 / 22.7	II	■	C	36.0	E	D	C	78	900	357
	T 10/1 Adv	1.527-154.0	10	61	244 / 24.4	II	■	E	48.6	E	C	C	75	1100	358
	T 10/1	1.527-150.0	10	61	244 / 24.4	II	■	E	48.6	E	C	C	75	1100	358
	T 14/1 Classic	1.527-170.0	14	40	285 / 28.5	II	-	-	-	-	-	-	-	-	361
	T 8/1 L	■ 1.527-188.0	8	40	230 / 23.0	II	-	B	30.1	-	C	F	75	1000	359
	T 8/1 Classic	1.527-160.0	8	47	285 / 28.5	II	-	-	-	-	-	-	-	-	361
	T 7/1 Classic	1.527-181.0	7.5	40	230 / 23	II	-	D	40.6	E	C	G	75	1000	361
	BV 5/1	1.394-200.0	5	61	244 / 24.4	II	■	E	47.8	D	D	B	78	1150	363
	Rechargeable appliances														
	T 9/1 Bp	■ 1.528-111.0	9	46	207 / 20.7	II	■	-	-	-	-	-	650	362	
	BV 5/1 Bp	■ 1.394-219.0	5	46	207 / 20.7	II	■	-	-	-	-	-	650	363	
	EB machines														
	EB 30/1 Adv Li-Ion	1.545-127.0	1	-	-	III	-	-	-	-	-	-	-	365	
	EB 30/1 Li-Ion	1.545-126.0	1	-	-	III	-	-	-	-	-	-	-	365	
Upright brush-type vacuum cleaners															
	CV 60/2 RS Bp Pack	1.011-028.0	17	34	117 / 11.7	II	-	-	-	-	-	-	-	367	
	CV 60/2 RS	1.011-027.0	17	34	117 / 11.7	II	-	-	-	-	-	-	-	367	
	CV 66/2	1.012-585.0	35	2 x 52	143 / 14.3	II	-	-	-	-	-	-	-	369	
	CV 48/2 Adv	1.057-321.0	5.5	48	250 / 25	II	-	B	31.5	D	▽	E	80	1050	371
	CV 48/2	1.057-309.0	5.5	48	250 / 25	II	-	B	31.5	D	▽	E	80	1050	371
	CV 38/2 Adv	1.033-330.0	5.5	48	250 / 25	II	-	C	37.4	D	▽	E	80	1050	371
	CV 38/2	1.033-312.0	5.5	48	250 / 25	II	-	C	37.4	D	▽	E	80	1050	371
	CV 38/1	1.435-115.0	5.5	48	207 / 20.7	II	-	C	37.8	D	▽	F	80	1000	373
	CV 30/1	1.023-116.0	5.5	48	207 / 20.7	II	-	D	42.4	D	▽	F	80	1000	373

■ NEW

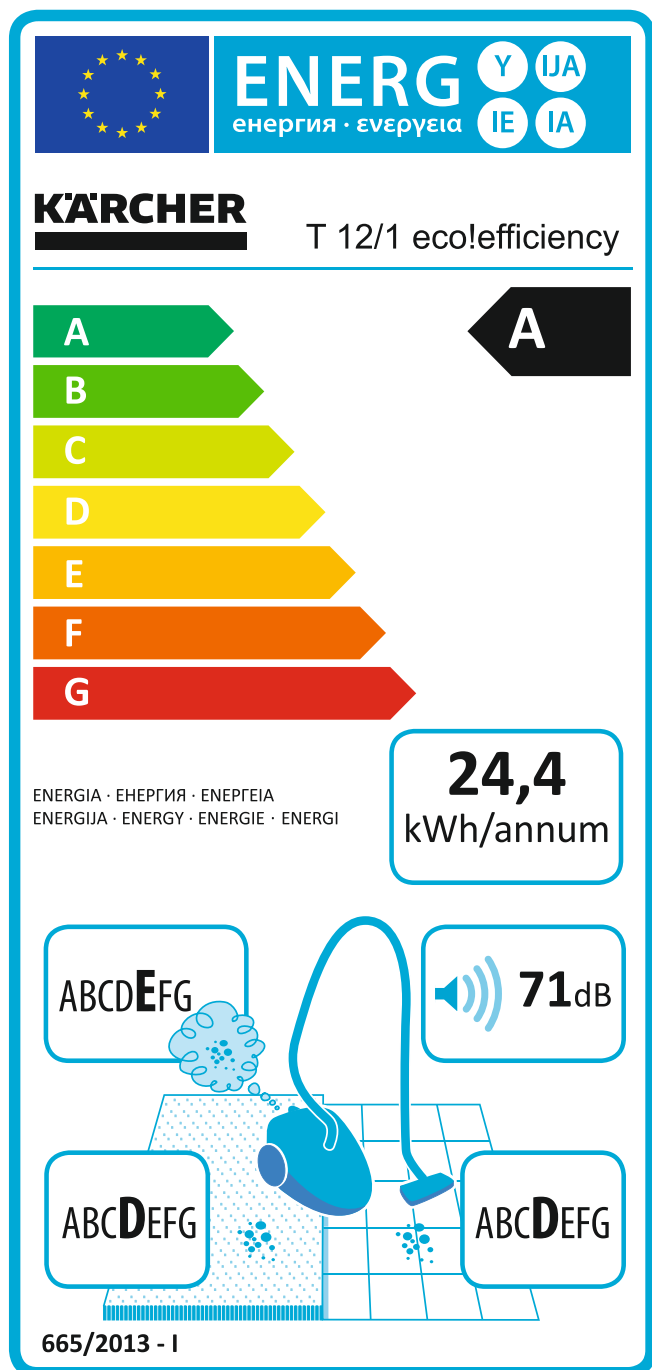
■ Included in delivery.

▽ Supplied nozzle not suitable for use on hard floors.

* Indicative annual energy use (kWh per year) based on 50 cleaning processes.
The actual annual energy use depends on how the machine is used.

THE EUROPEAN ENERGY LABEL FOR VACUUM CLEANERS

What Kärcher proved long ago with eco!efficiency vacuum cleaners is now European law: successful cleaning with less power. The European energy label for vacuum cleaners, which has been in effect since 1 September 2014, limits the nominal power of mains-operated dry vacuum cleaners to a maximum of 1,600 watts. Every machine sold in Europe must have the EU energy label. Kärcher “Standard” and “eco!efficiency” dry vacuum cleaners are powerful and efficient – everything for perfect cleaning results.



A

Efficiency at a glance

The efficiency class is a standardised classification applicable throughout Europe and is instantly recognisable. The classification from A to G, which came into force on 1 September 2014, allows a direct comparison. The basis for classification in an efficiency class is the annual energy use (AE), which is calculated from a range of different parameters. The power input of the vacuum cleaner is therefore particularly crucial, but also the cleaning power is part of the assessment criteria.

A reference for comparison

24,4
kWh/annum

The annual energy use (AE) is based on a defined number of cleaning processes (50 per year) in a standard living area (87 m²) and is shown as a reference value on the energy label. This value must be at least < 62 kWh/a (Class G) and is highlighted on the energy label. However, the actual annual energy use depends on user behaviour, and in particular on the level of soiling, the surface to be cleaned and cleaning frequency.

Power instead of noise

71dB

Not only is saving energy good for the environment, so too is noise reduction. A difference in the noise level of ± 3 dB(A) corresponds to twice or half the perceived noise level. Correspondingly, a vacuum cleaner with a sound power level of 78 dB(A) is perceived as being only half as loud as one with a level of 81 dB(A). By listing the sound power level, the energy label provides an additional objective aid to decision-making.

Vacuuming and dust retention

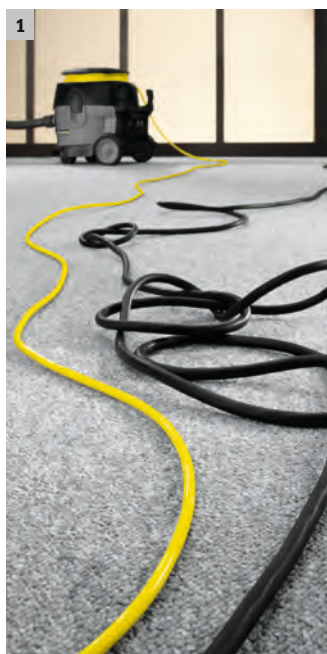
ABCDEFG

When vacuuming, the amount of dust emitted into the air is also decisive. Over and above the cleaning performance, dust re-emission of vacuum cleaners also plays an important role and is shown on the energy label as the classification A to G. Dust re-emission values are determined by the manufacturer using a standardised measuring method complying with EU regulations.

Clean division between hard and soft

ABCDEF G

The differences between cleaning hard floors and carpets are significant and cannot be directly compared. The classes for hard floors and carpets are therefore shown separately. In addition to the energy efficiency class for universal vacuum cleaners, the hard floor cleaning performance class and carpet cleaning performance class are also shown on the energy label in classes from A to G. Special vacuum cleaners do not have a label for the other type of flooring. The minimum requirements for dust intake are $dpuc \geq 70\%$ for carpets and $dpuhf \geq 95\%$ for hard surfaces.



1 Visibly safe and reliable

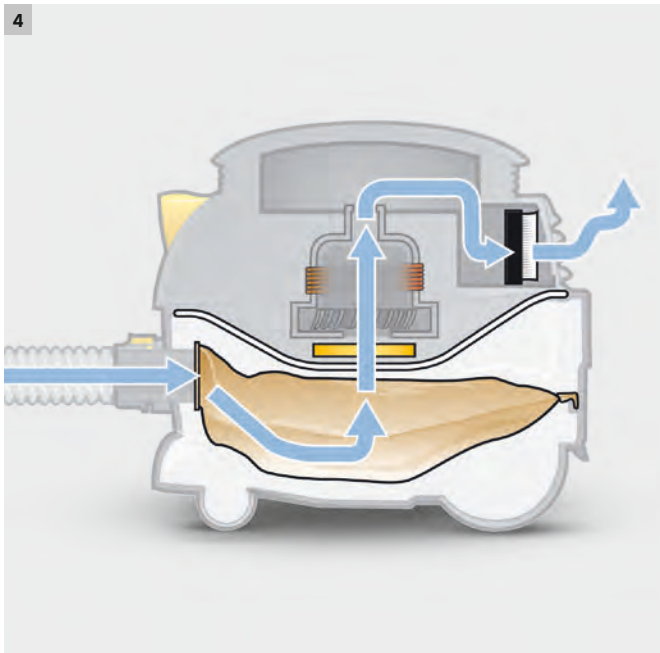
The yellow Highflex cord is extremely tear-resistant, flexible and anti-twist. Its bright colour makes it easily visible, which prevents tripping hazards.

2 It really works: doing more with less

Maximum cleaning performance using 40% less power. And much quieter – a quarter of the normal noise level. Our eco!efficiency machines impressively demonstrate that ecology and efficiency can go hand in hand.

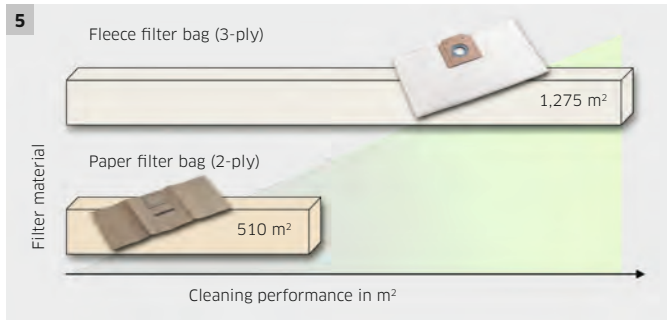
3 Lithium-ion technology

The powerful 36 V lithium-ion battery ensures long work intervals with excellent cleaning performance and makes our battery-powered machines as powerful as their mains-operated counterparts.



4 6-stage filter system including HEPA

The 6-stage filter system with 3-ply fleece filter bag, permanent main filter, motor protection filter and blower/HEPA filter, ensures an optimal degree of dust separation with an efficiency of up to 99.997% in HEPA quality.



5 Fleece filter technology

Kärcher fleece filters achieve higher and more constant suction power than normal filters. Compared with conventional paper filter bags, they retain more than double the amount of dust – with an improvement of about 10% in the separation degree. Kärcher fleece filters are tear-resistant and can withstand sharp-edged items such as grit or paper clips. And they also last longer and are more cost-effective overall.

6 Low operating noise

The noise level of our ecoefficiency machines has been significantly reduced by using sound-proofed motors and optimal flow ducts. This allows our vacuum cleaners to be used in noise-sensitive areas such as hotels and during normal business hours.

eco!efficiency DRY VACUUM CLEANER



eco!efficiency: maximum cleaning performance, lower consumption

T-eco!efficiency machines are characterised by a 40% lower energy consumption and simultaneously outstanding cleaning performance. They are very quiet and ideal for noise-sensitive places. The plug-in power cord saves on service costs while maintaining the same cleaning performance.



1 Saving energy has never been so much fun!

- Using only 750 W, the eco!efficiency dry vacuum cleaners clean almost as thoroughly as the basic version. This allows energy-efficient working with exceptional cleaning performance.

2 Low noise

- Thanks to their low noise level, dry vacuum cleaners from the eco!efficiency range are ideal for noise-sensitive areas.

T 15/1 eco!efficiency

- Reduced power consumption
- Plug-in power cord
- Very quiet

Technical data

Energy efficiency class		A
Air flow	l/s	43
Vacuum	mbar / kPa	230 / 23
Container capacity	l	15
Rated input power	W	750
Voltage	V	220-240
Standard nominal width		ID 32
Cable length	m	15
Sound pressure level EN 60335-2-69	dB(A)	57
Uncertainty K = 1 dB(A)		
Sound power level	dB(A)	70
Weight	kg	8
Dimensions (L x W x H)	mm	435 x 315 x 400

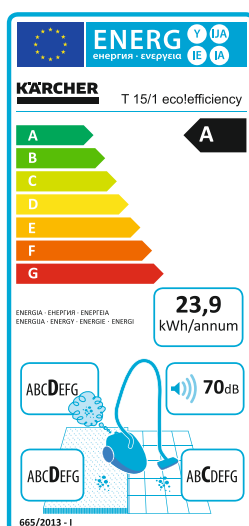
Equipment

Suction hose	m	2.5 / with bend
Telescopic suction tube		Standard
Filter bag		Fleece
Permanent filter basket, fleece		■
Permanent filter basket, nylon		-
Switchable floor nozzle	mm	285

Order No. 1.355-246.0

Price

- Included in delivery.



TECHNICAL DATA AND EQUIPMENT

T 17/1 eco!efficiency

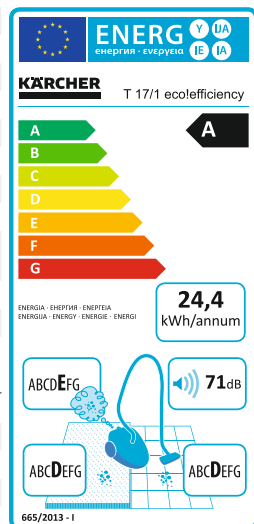
T 12/1 eco!efficiency

- Reduced power consumption
- Power outlet for ESB 28 electric brush
- Foot switch for added convenience

- Reduced power consumption
- Plug-in power cord
- Very quiet

Technical data

Energy efficiency class		A
Air flow	l/s	43
Vacuum	mbar / kPa	230 / 23
Container capacity	l	17
Rated input power	W	750
Voltage	V	220-240
Standard nominal width		ID 32
Cable length	m	12
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	58
Sound power level	dB(A)	71
Weight	kg	7
Dimensions (L × W × H)	mm	440 × 315 × 420



Equipment

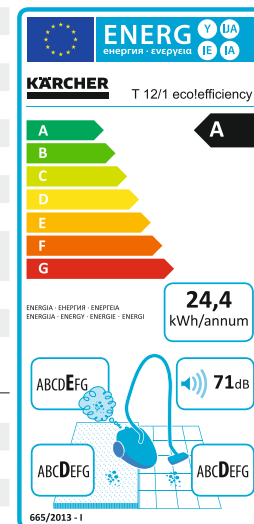
Suction hose	m	2.5 / with bend
Telescopic suction tube		-
Filter bag		Fleece
Permanent filter basket, fleece		■
Permanent filter basket, nylon		-
Switchable floor nozzle	mm	285

Order No. 1.355-140.0

Price

■ Included in delivery.

A
43
230 / 23
12
750
220-240
ID 32
12
65
71
6.6
410 × 315 × 340



2.5 / with bend

-

Fleece

■

-

285

1.355-135.0

T 10/1 eco!efficiency

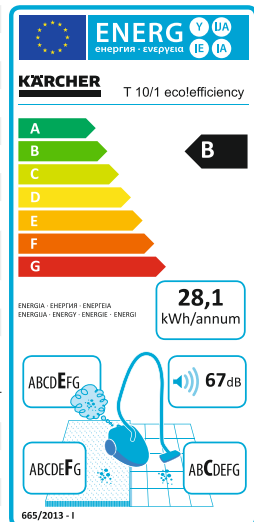
T 7/1 eco!efficiency

- Reduced power consumption
- Plug-in power cord
- Low noise

- Reduced power consumption
- Plug-in power cord
- Low noise

Technical data

Energy efficiency class		B
Air flow	l/s	43
Vacuum	mbar / kPa	230 / 23
Container capacity	l	10
Rated input power	W	750
Voltage	V	220-240
Standard nominal width		ID 32
Cable length	m	12
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	54
Sound power level	dB(A)	67
Weight	kg	5.9
Dimensions (L × W × H)	mm	355 × 310 × 410



Equipment

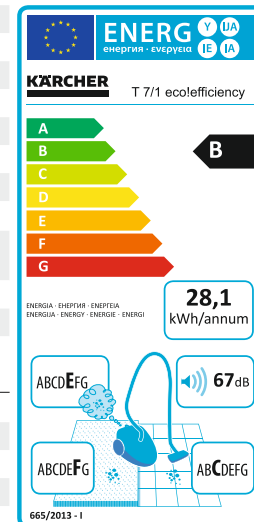
Suction hose	m	2.5 / with bend
Telescopic suction tube		-
Filter bag		Fleece
Permanent filter basket, fleece		■
Permanent filter basket, nylon		-
Switchable floor nozzle	mm	270

Order No. 1.527-413.0

Price

■ Included in delivery.

B
43
230 / 23
7
750
220-240
ID 32
7.5
54
67
5.3
350 × 310 × 340



2 / with bend

-

Fleece

■

-

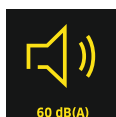
270

1.527-145.0

DRY VACUUM CLEANER – 15 LITRES

The quietest in its class

Ideal for noise-sensitive areas like hotels, offices and hospitals: the new T 15/1 is the quietest vacuum machine of its class at just 60 dB(A) – for noise-free, effortless cleaning.



1 Highflex power cord

- The yellow Highflex cord is extremely tough, flexible and anti-twist.
- It can be wound around the top of the machine or stored on the cable hook.



2 Integrated accessory storage

- Accessory storage at the rear for easy access in any cleaning situation.



3 HEPA filter (EN 1822:1998)

- This vacuum cleaner features a Hepa filter (EN 1822:1998) for hygienically pure, particle-free exhaust air in hotels, hospitals, nurseries and many other areas.

TECHNICAL DATA AND EQUIPMENT

T 15/1 + ESB 34

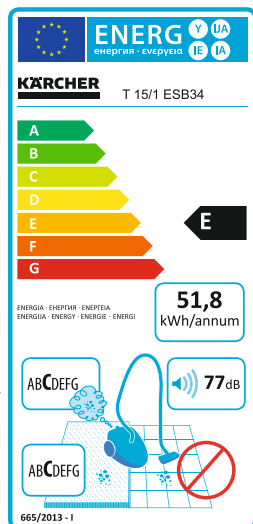
T 15/1 HEPA + ESB 28

- ESB 34 electric brush
- Highflex power cord
- On-board accessory storage

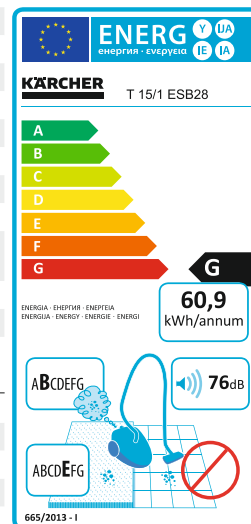
- ESB 28 electric brush
- Highflex power cord
- HEPA filter (EN 1822:1998)

Technical data

Energy efficiency class	E
Air flow	l/s 61
Vacuum	mbar / kPa 244 / 24.4
Container capacity	l 15
Rated input power	W 1300
Voltage	V 220-240
Standard nominal width	ID 32
Cable length	m 15
Sound pressure level EN 60335-2-69	dB(A) 64
Uncertainty K = 1 dB(A)	
Sound power level	dB(A) 77
Weight	kg 8
Dimensions (L × W × H)	mm 435 × 315 × 400



G
61
244 / 24.4
15
1180
220-240
ID 32
15
63
76
8
435 × 315 × 400



Equipment

Suction hose	m	-
Telescopic suction tube		Standard
Filter bag		Fleece
Permanent filter basket, fleece		■
Permanent filter basket, nylon		-
Switchable floor nozzle	mm	-

-
-
Fleece
■
-
-

Order No. 1.355-245.0

1.355-242.0

Price

■ Included in delivery.

T 15/1 HEPA

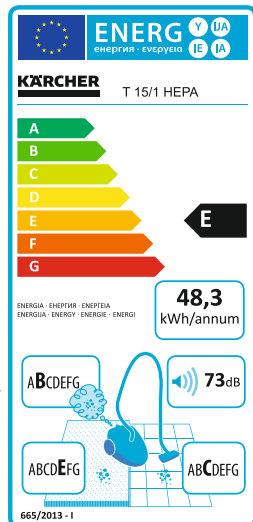
T 15/1

- Reduced power consumption
- Plug-in power cord
- Very quiet

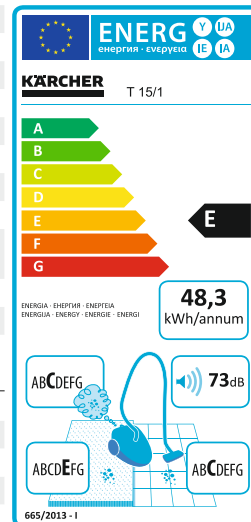
- Integrated accessory storage
- Integrated power cord/suction hose storage
- Comfort bend

Technical data

Energy efficiency class	E
Air flow	l/s 61
Vacuum	mbar / kPa 244 / 24.4
Container capacity	l 15
Rated input power	W 1150
Voltage	V 220-240
Standard nominal width	ID 32
Cable length	m 15
Sound pressure level EN 60335-2-69	dB(A) 60
Uncertainty K = 1 dB(A)	
Sound power level	dB(A) 73
Weight	kg 8
Dimensions (L × W × H)	mm 435 × 315 × 400



E
61
244 / 24.4
15
1150
220-240
ID 32
15
60
73
8
435 × 315 × 400



Equipment

Suction hose	m	2.5 / with bend
Telescopic suction tube		Standard
Filter bag		Fleece
Permanent filter basket, fleece		■
Permanent filter basket, nylon		-
Switchable floor nozzle	mm	285

2.5 / with bend
Standard
Fleece
■
285

Order No. 1.355-235.0

1.355-200.0

Price

■ Included in delivery.

DRY VACUUM CLEANER – 17 LITRES



With a large container capacity, it can keep going as long as you can

The T 17/1 dry vacuum cleaner has a large deposit capacity, allowing long work intervals. The low noise level makes the machine the ideal cleaning solution for noise-sensitive areas. With the electrical suction brush, the dry vacuum cleaner can be converted into a brush vacuum cleaner in an instant.



1 Main filter basket

- Large permanent main filter ensures optimal dust separation. For use with or without filter bag.

2 Foot switch for added convenience

- No need to bend down.

T 17/1

- Reduced power consumption
- Power outlet for ESB 28 electric brush
- Foot switch for added convenience

Technical data

Energy efficiency class	E
Air flow	l/s 61
Vacuum	mbar / kPa 244 / 24.4
Container capacity	l 17
Rated input power	W 1150
Voltage	V 220
Standard nominal width	ID 32
Cable length	m 12
Sound pressure level EN 60335-2-69	dB(A) 65
Uncertainty K = 1 dB(A)	
Sound power level	dB(A) 77
Weight	kg 7
Dimensions (L × W × H)	mm 440 × 315 × 420

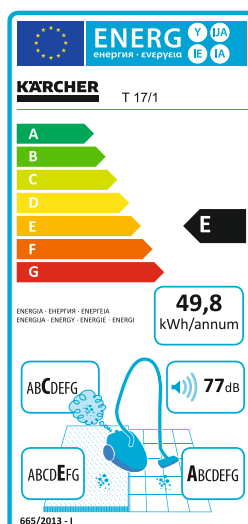
Equipment

Suction hose	m	2.5 / with bend
Telescopic suction tube		-
Filter bag		Fleece
Permanent filter basket, fleece		-
Permanent filter basket, nylon		■
Switchable floor nozzle	mm	285

Order No. 1.355-131.0

Price

- Included in delivery.



DRY VACUUM CLEANER – 12 LITRES



Dry vacuum cleaner T 12/1: you will not want to put it down

Very quiet operation and ideal for maintenance cleaning in noise-sensitive areas: our dry vacuum cleaner T 12/1. Practical details such as the ergonomic foot switch and practical carrying handle make work much easier. The T 12/1 Hf machine operates with on-board voltage (110 V, 400 Hz) and is ideal for cleaning aircraft.

NEW



1 HEPA filter for clean exhaust gas

- The optional HEPA filter ensures particle-free, hygienically pure exhaust gas.

2 Adapter for electrical suction brushes

- The ESB 28 and ESB 34 transform the T 12/1 into an extra powerful yet quiet vacuum brush.

T 12/1

T 12/1 Hf

- Clip system
- Power outlet for ESB 28 electric brush
- Foot switch for added convenience

- On-board voltage with 110 V and 400 Hz
- 25-metre-long cord
- Ergonomic foot switch

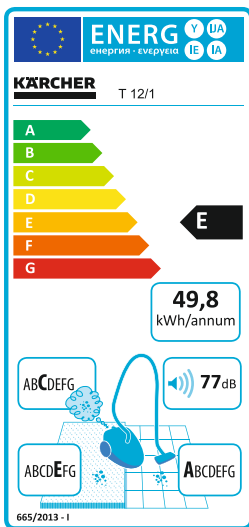
Technical data

Energy efficiency class		E
Air flow	l/s	61
Vacuum	mbar / kPa	244 / 24.4
Container capacity	l	12
Rated input power	W	1150
Voltage	V	220-240
Standard nominal width		ID 32
Cable length	m	12
Sound level (mains operation) EN 60335-2-69:2010	dB(A)	65
Uncertainty K = 1 dB(A)		
Sound power level	dB(A)	77
Weight	kg	6.6
Dimensions (L × W × H)	mm	410 × 315 × 340

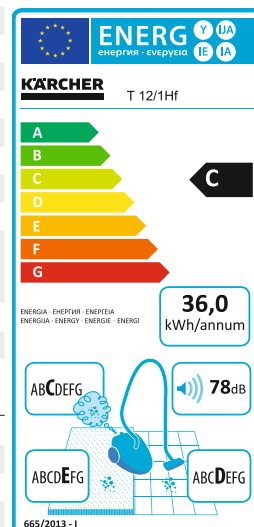
Equipment

Suction hose	m	2.5 / with bend
Suction tubes, metal 2 × 0.5 m		■
Telescopic suction tube		-
Filter bag		Fleece
Washable permanent filter basket		-
Washable nylon filter (main filter)		-
Switchable floor nozzle	mm	285

Order No.	1.355-100.0
Price	



C
54
227 / 22.7
12
900
110
ID 32
25
66
78
7.8
410 × 315 × 340



2.5 / with bend
■
-
Fleece
-
-
285

Order No.	1.355-147.0
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■ Included in delivery.

DRY VACUUM CLEANER – 10 LITRES



Developed by professionals, for professionals

The T 10/1 Adv is the ideal vacuum machine for contract cleaners. Development took place in close cooperation with professionals from the cleaning industry. Benefits: the plug-in power cord can be replaced quickly and easily and the vacuum cleaner can be operated with or without filter bag. The anti-static bend together with the yellow mains plug make working easier.



1 Large, round permanent main filter of washable fleece

- Extremely strong and dense enough to allow vacuuming for longer periods without a filter bag.

2 Easy to service

- The cord can be replaced quickly and easily by simply loosening 2 screws. This saves time and service costs.

T 10/1 Adv

T 10/1

- Plug-in power cord
- Antistatic bend
- Extra-strong permanent main filter

- Parking position for floor nozzle
- Cable hook
- Accessory storage

Technical data

Energy efficiency class	E
Air flow	l/s 61
Vacuum	mbar / kPa 244 / 24.4
Container capacity	l 10
Rated input power	W 1100
Voltage	V 220-240
Standard nominal width	ID 32
Cable length	m 12
Sound pressure level EN 60335-2-69	dB(A) 62
Uncertainty K = 1 dB(A)	
Sound power level	dB(A) 75
Weight	kg 6.5
Dimensions (L × W × H)	mm 355 × 310 × 410

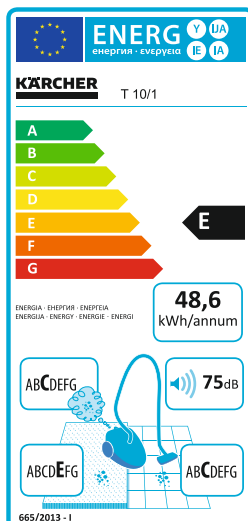
Equipment

Suction hose	m 2.5 / with bend
Suction tubes, metal 2 × 0.5 m	■
Filter bag	Fleece
Permanent filter basket, fleece	■
Permanent filter basket, nylon	-
Switchable floor nozzle	mm 270

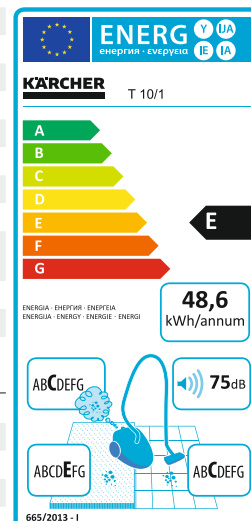
Order No. 1.527-154.0

Price

- Included in delivery.



E
61
244 / 24.4
10
1100
220-240
ID 32
10
62
75
6
355 × 310 × 385



2.5 / with bend
■
Fleece
-
270

1.527-150.0

DRY VACUUM CLEANER – 8 LITRES

T 8/1 L: tradesmen love it



Tough and powerful: the dry vacuum cleaner T 8/1 L has been specially developed for tradesmen who have to work in dusty environments (filter class certification L) or on ladders (weighs just 3.5 kg). Practical on-board accessory storage for easy access.



1 Ergonomic carrying strap

- Allows easy transport of the light machine and enables work, for example, on ladders.

2 Secure storage options for accessories

- Accessories are stowed directly on the back of the machine while the hose and power cord are securely fixed.

T 8/1 L

- Ergonomic carrying strap
- Filter class certification L
- Weighs only 3.5 kg – extremely light.

Technical data

Energy efficiency class		B
Air flow	l/s	40
Vacuum	mbar / kPa	230 / 23
Container capacity	l	8
Rated input power	W	1000
Voltage	V	220–240
Standard nominal width		ID 35
Cable length	m	7.5
Sound level (mains operation) EN 60335-2-69:2010 Uncertainty K = 1 dB(A)	dB(A)	63
Sound power level	dB(A)	75
Weight	kg	3.5
Dimensions (L × W × H)	mm	382 × 285 × 324

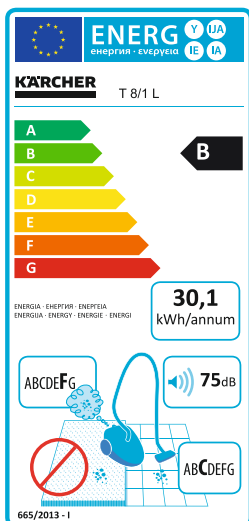
Equipment

Suction hose	m	2.5 / with bend
Suction tubes, metal 2 × 0.5 m		■
Filter bag		Fleece
Permanent filter basket, fleece		■
Permanent filter basket, nylon		–
Switchable floor nozzle	mm	300

Order No. 1.527-188.0

Price

- Included in delivery.



CLASSIC DRY VACUUM CLEANERS



Simply practical: the T Classic range

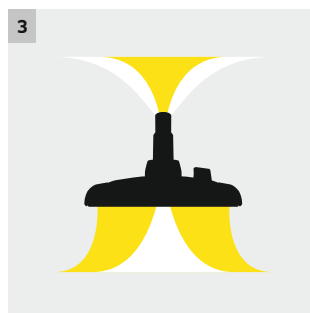
With our Classic dry vacuum cleaners, we demonstrate how well high professional standards can now be met with entry-level machines. These ergonomically designed and robust machines are compact, versatile and powerful, yet extremely quiet – with a large container capacity for non-stop use. In brief: they provide everything you need for maintenance cleaning.



1



2



3

1 Lightweight

- The T 7/1 Classic is up to 50% lighter than competitor models with the same container capacity and is easy to transport due to its low weight (3.5 kg). Stairs or longer distances are not a problem.

2 Main filter basket for optimal dust separation

- The permanent main filter ensures optimum dust separation, allowing operation without a filter bag.

3 Maximum suction power with simultaneously minimal energy use

- Instead of using oversized turbines, the T 7/1 Classic offers optimised air flow and maximum suction power.
- Compared with our competitors' machines, power input and power consumption are nearly 25% lower (1,000 watts compared with 1,300 watts).
- Despite a lower power consumption, the suction power using the floor nozzle is about 25% higher than that of the competition (249 watts compared with 200 watts).

TECHNICAL DATA AND EQUIPMENT

T 14/1 Classic

T 8/1 Classic

- Foot switch
- Accessories holder
- Cable hook

- Foot switch
- Accessories holder
- Cable hook

Technical data

Energy efficiency class		-	-
Air flow	l/s	40	47
Vacuum	mbar / kPa	285 / 28.5	285 / 28.5
Container capacity	l	14	8
Max. rated input power	W	1600	1600
Voltage	V	220-240	220-240
Standard nominal width		ID 35	ID 35
Cable length	m	7.5	7.5
Sound level (mains operation) EN 60335-2-69:2010 Uncertainty K = 1 dB(A)	dB(A)	69	69
Sound power level	dB(A)	-	-
Weight	kg	5.3	5
Dimensions (L × W × H)	mm	355 × 310 × 466	355 × 310 × 350

Equipment

Suction hose	m	1.7	1.7
Suction tubes, metal 2 × 0.5 m	■	■	
Suction tubes, plastic 2 × 0.5 m	-	-	
Suction tubes, plastic 3 × 0.35 m	-	-	
Filter bag		Paper	Paper
Dry floor nozzle	mm	360	360
Crevice nozzle	■	■	
Round brush	■	■	
Upholstery nozzle	■	■	
Order No.		1.527-170.0	1.527-160.0
Price			

■ Included in delivery.

T 7/1 Classic

- Extremely lightweight (< 3.5 kg)
- Strong suction power
- Low noise

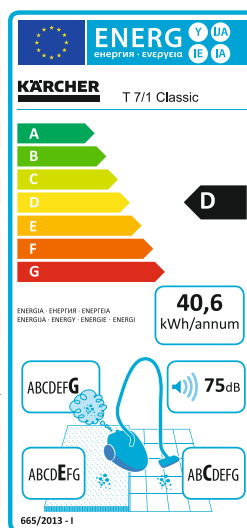
Technical data

Energy efficiency class		D
Air flow	l/s	40
Vacuum	mbar / kPa	230 / 23
Container capacity	l	7.5
Max. rated input power	W	1000
Voltage	V	220-240
Standard nominal width		ID 35
Cable length	m	7.5
Sound level (mains operation) EN 60335-2-69:2010 Uncertainty K = 1 dB(A)	dB(A)	63
Sound power level	dB(A)	75
Weight	kg	3.5
Dimensions (L × W × H)	mm	375 × 285 × 322

Equipment

Suction hose	m	2
Suction tubes, metal 2 × 0.5 m	-	-
Suction tubes, plastic 2 × 0.5 m	-	-
Suction tubes, plastic 3 × 0.35 m	■	■
Filter bag		Fleece
Dry floor nozzle	mm	270
Crevice nozzle	-	-
Round brush	-	-
Upholstery nozzle	-	-
Order No.		1.527-181.0
Price		

■ Included in delivery.



BATTERY-OPERATED DRY VACUUM



Battery-operated dry vacuum cleaner T 9/1 Bp: cordless power without compromise

With the new, extremely powerful battery-operated dry vacuum cleaner T 9/1 Bp, you will definitely not have to compromise on power and quality of the cleaning results compared with mains-operated dry vacuum cleaners, but will benefit from the cordless flexibility of this machine. The powerful battery has a running time of 24 minutes in standard operation and 46 minutes in ecoefficiency mode.



1 eco!efficiency mode

- The eco!efficiency mode reduces the machine's energy requirements and noise level, and also extends its battery life.

2 Ergonomic bend

- The ergonomic bend sits comfortably in the hand and allows fatigue-free work over long periods of time.

T 9/1 Bp

- Lithium-ion battery (36 V) with battery charge display
- Quick charger
- Energy-saving eco!efficiency mode

Technical data

Energy efficiency class		-
Air flow	l/s	46
Vacuum	mbar / kPa	207 / 20.7
Container capacity	l	9
Nominal power	W	650
Voltage	V	220-240
Standard nominal width		ID 35
Cable length		-
Sound level	dB(A)	62
EN 60335-2-69: 2010 Uncertainty K = 1 dB(A)		
Sound power level		-
Weight	kg	7.2
Dimensions (L × W × H)	mm	419 × 325 × 381

Equipment

Suction hose	m	2.5 / with bend
Telescopic suction tube		Standard
Filter bag		Fleece
Washable nylon filter (main filter)		■
Switchable floor nozzle	mm	290
Order No.		1.528-111.0
Price		

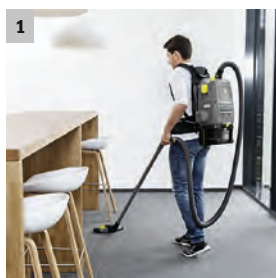
- Included in delivery.

BACKPACK VACUUM



Backpack vacuum BV 5/1 Bp: the perfect solution for small spaces

In confined spaces, like cinemas, buses, trains, aircraft or on stairs, the BV 5/1 Bp is practically unbeatable. Battery-operated, extremely powerful and featuring an ergonomic and patented carrying frame for maximum comfort, it is also very easy to use as all functions are controlled directly via the control panel on the waist strap.



1 Patented, ergonomic carrying frame

- Carrying frame with Air Stream Comfort system prevents irritating vibrations and heat build-up on the back.

2 Simple operation of all functions

- Control panel on the waist harness allows convenient control and monitoring of all functions.

BV 5/1 Bp

BV 5/1

- Lithium-ion battery (36 V) with battery charge display
- Battery charge display on control panel
- Energy-saving eco:efficiency mode
- Clip system
- Air Stream Comfort carrying frame
- Parking position for floor nozzle

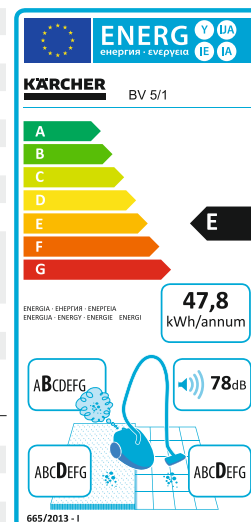
Technical data

Energy efficiency class		–	E
Air flow	l/s	46	61
Vacuum	mbar / kPa	207 / 20.7	244 / 24.4
Container capacity	l	5	5
Nominal power	W	650	1300
Voltage	V	220–240	220–240
Standard nominal width		ID 35	ID 32
Cable length	m	–	15
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	57	64
Sound power level	dB(A)	–	78
Weight	kg	8.7	5.3
Dimensions (L × W × H)	mm	400 × 320 × 636	400 × 320 × 540

Equipment

Suction hose	m	1.5 / with bend	1.5 / with bend
Telescopic suction tube		Standard	Standard
Filter bag		Fleece	Fleece
Washable nylon filter (main filter)		■	■
Switchable floor nozzle	mm	290	285
Order No.		1.394-219.0	1.394-200.0
Price			

- Included in delivery.



BATTERY-POWERED ELECTRIC BROOM



As quiet as it is thorough: the electric broom

When cleaning has to be fast and thorough, our whisper-quiet electric brooms are there to help. Equipped with lithium-ion technology, they offer a battery performance of 82 minutes for carpets and up to 104 minutes for hard surfaces. Replacement battery and quick charger BC 1/1.8 included for uninterrupted use.



1

1 Quick charger

- Short charging time, long run time: the BC 1/1.8 quick charger fully charges batteries in only 65 minutes.



2

2 Easy battery replacement

- The powerful lithium-ion battery is easy to remove and change in a few simple steps.



3

3 Brush replacement without tools

- The roller brush can be removed without tools for easier cleaning.

TECHNICAL DATA AND EQUIPMENT

EB 30/1 Adv Li-Ion			EB 30/1 Li-Ion		
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Technical data					
Working width	mm	300		300	
Container capacity	l	1		1	
Voltage	V	220-240		220-240	
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	56		56	
Operating time (textile/hard surface)	min.	82 / 104		41 / 52	
Battery charging time	h	1		5	
Weight	kg	2.3		2	
Dimensions (L × W × H)	mm	250 × 300 × 1340		250 × 300 × 1340	
Equipment					
Battery, 7.2 V/2.6 Ah		■		■	
Replacement battery, 7.2 V / 2.6 Ah		■		-	
Plug, power supply, BC 1/0.45 charger		-		■	
Quick charger BC 1/1.8		■		-	
Roller brush, standard		■		■	
Order No.		1.545-127.0		1.545-126.0	
Price					

■ Included in delivery.

STEP-ON VACUUM CLEANER – 60 CM WORKING WIDTH

Flexible all-round talent

Compact, innovative step-on dry vacuum cleaner with a small turning circle. Ideal for carpets and hard surfaces. With contra-rotating roller brushes, side brushes, suction tube and HEPA filter (optional accessories). Convenient on-board battery charger.



1 Contra-rotating roller brush system

- For hard and textile floor coverings – without brush replacement. The rollers adjust automatically to any floor covering.



2 Suction tube with extra-long hose

- The suction tube allows easy step and corner cleaning, even in hard-to-reach places. The hose can also be lengthened as required.



3 The machine can be fully opened

- Easy replacement of battery and filter bag.
- Very easy to service.



4 Slim design

- Extremely manoeuvrable.
- Fits in any lift – ideal for cleaning in multi-storey buildings.

TECHNICAL DATA AND EQUIPMENT

CV 60/2 RS Bp Pack

CV 60/2 RS

- For hard floors and textile floor coverings
- Stretchable suction hose with removeable suction tube
- Including battery and built-in charger

- For hard floors and textile floor coverings
- Stretchable suction hose with removeable suction tube
- Built-in charger included in scope of delivery

Technical data

Working width	mm	610	610
Air flow	l/s	34	34
Vacuum	mbar / kPa	117 / 11.7	117 / 11.7
Container capacity	l	17	17
Max. rated input power	W	1224	1224
Voltage	V	36	220-240
Standard nominal width		ID 32	ID 32
Cable length	m	-	-
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	68	68
Brush motor power	W	373	373
Weight	kg	203	123
Dimensions (L × W × H)	mm	1120 × 622 × 1316	1120 × 622 × 1316

Equipment

Crevice nozzle and upholstery nozzle	■	■
Suction tube, detachable	■	■
Corrugated suction hose, removable	■	■
Filter bag	Paper	Paper
Filter status indicator	■	■
Roller brush	piece(s)	2
Order No.	1.011-028.0	1.011-027.0
Price		

- Included in delivery.

UPRIGHT BRUSH-TYPE VACUUM CLEANER - 66 CM WORKING WIDTH



Large areas cleaned efficiently

The CV 66/2 with contra-rotating roller brush system is ideal for efficient and thorough cleaning of large carpeted areas. Ideal for hotels, airports and municipal use.



1 Easy filter replacement.

- The filter system is easily accessible for quick and easy replacement.



2 Contra-rotating roller brush system

- The innovative contra-rotating roller brush system cleans deep into the fibres and raises the pile.



3 Always at hand and ready to use

- The hook is rotatable for easy removal of the power cord.

TECHNICAL DATA AND EQUIPMENT

CV 66/2

- Contra-rotating roller brush system
- Height-adjustable handle
- 2 fixed and 1 adjustable power cable hook

Technical data

Working width	mm	660
Air flow	l/s	2 × 52
Vacuum	mbar / kPa	143 / 14.3
Container capacity	l	35
Max. rated input power	W	1650
Voltage	V	220-240
Cable length	m	20
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A)	73
Brush motor power	W	400
Weight	kg	72
Dimensions (L × W × H)	mm	1120 × 790 × 1330

Equipment

Crevice nozzle and upholstery nozzle		-
Suction tube, detachable		-
Stretchable suction hose		-
Filter bag		Paper
Filter status indicator		■
Roller brush, quantity	piece(s)	2
Order No.		1.012-585.0
Price		

- Included in delivery.

UPRIGHT BRUSH-TYPE VACUUM CLEANER - 48-38 CM WORKING WIDTH

Deep cleaning action – for maximum cleaning performance

Two-motor brush vacuum cleaners with wide working widths – ideal for cleaning large areas in shops, offices, hotels or restaurants quickly and efficiently. With brush overload protection.



1 Indicator light

- The indicator light shows when the roller brush needs to be adjusted to achieve optimum cleaning results.



2 Highflex power cord

- The yellow Highflex cord is extremely tough, flexible and anti-twist. It can be securely attached to the machine.



3 Flexible cleaning option

- The stretchable suction hose can be removed easily, meaning that blockages can be removed quickly and effortlessly.

TECHNICAL DATA AND EQUIPMENT

CV 48/2 Adv

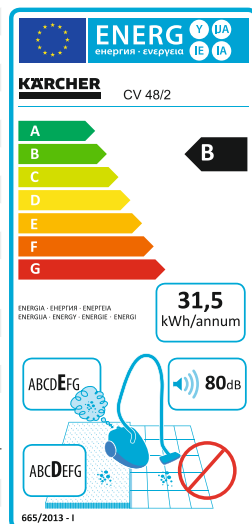
CV 48/2

- Visual brush adjustment aid
- Highflex power cord
- 2 motors

- Visual brush adjustment aid
- Electronic brush overload protection
- 2 motors

Technical data

Energy efficiency class	B
Working width	mm 480
Air flow	l/s 48
Vacuum	mbar / kPa 250 / 25
Container capacity	l 5.5
Rated input power	W 1050
Voltage	V 220-240
Standard nominal width	ID 35
Cable length	m 12
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A) 67
Sound power level	dB(A) 80
Brush motor power	W 150
Weight	kg 10
Dimensions (L × W × H)	mm 486 × 351 × 1142



Equipment

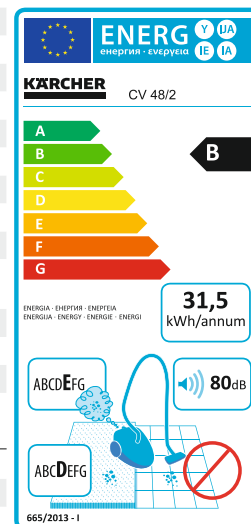
Crevice nozzle and upholstery nozzle	■
Suction tube, detachable	■
Corrugated suction hose, removable	■
Filter bag	Fleece
Filter status indicator	■
Roller brush	piece(s) 1

Order No. 1.057-321.0

Price

■ Included in delivery.

B
480
48
250 / 25
5.5
1050
220-240
ID 35
12
67
80
150
10
486 × 351 × 1142



■
■
■
Fleece
■
1

1.057-309.0

CV 38/2 Adv

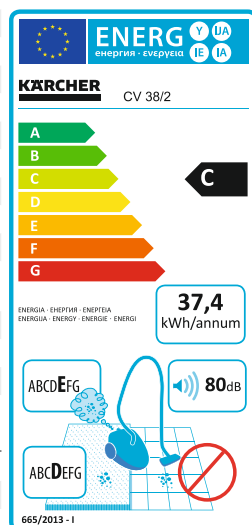
CV 38/2

- Visual brush adjustment aid
- Highflex power cord
- 2 motors

- Visual brush adjustment aid
- Electronic brush overload protection
- 2 motors

Technical data

Energy efficiency class	C
Working width	mm 380
Air flow	l/s 48
Vacuum	mbar / kPa 250 / 25
Container capacity	l 5.5
Rated input power	W 1050
Voltage	V 220-240
Standard nominal width	ID 35
Cable length	m 12
Sound pressure level EN 60335-2-69 Uncertainty K = 1 dB(A)	dB(A) 67
Sound power level	dB(A) 80
Brush motor power	W 150
Weight	kg 9.5
Dimensions (L × W × H)	mm 391 × 351 × 1142



Equipment

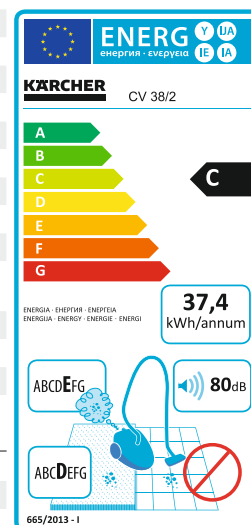
Crevice nozzle and upholstery nozzle	■
Suction tube, detachable	■
Corrugated suction hose, removable	■
Filter bag	Fleece
Filter status indicator	■
Roller brush	piece(s) 1

Order No. 1.033-330.0

Price

■ Included in delivery.

C
380
48
250 / 25
5.5
1050
220-240
ID 35
12
67
80
150
9.5
351 × 391 × 1215



■
■
■
Fleece
■
1

1.033-312.0

UPRIGHT BRUSH-TYPE VACUUM CLEANER - 38-30 CM WORKING WIDTH



Upright vacuum cleaners for exceptional cleaning results

The CV 30/1 uses a single motor to power the suction and roller brush. The vacuum cleaner easily removes stubborn dirt particles such as threads or hairs and raises the carpet pile.



1 Manual roller brush adjustment

- Thanks to the height adjustment, the roller brush can be adjusted to any carpet pile height.
- For adjustment to different pile heights.

2 Easy brush replacement

- Brushes are available with hard and soft bristles. They can be changed without tools.

3 Flexible cleaning option

- The stretchable suction hose can be removed easily, meaning that blockages can be removed quickly and effortlessly.

4 Patented centrifugal coupling

- For longer service life: the innovative patented centrifugal coupling protects the whole brush head from being overloaded, thereby avoiding high service costs.

TECHNICAL DATA AND EQUIPMENT

CV 38/1

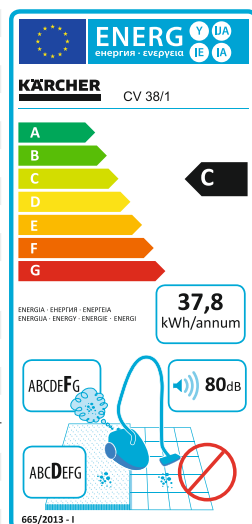
CV 30/1

- Height-adjustable handle
- Manual roller brush adjustment
- Rubber bumper

- Height-adjustable handle
- Manual roller brush adjustment
- Rubber bumper

Technical data

Energy efficiency class		C
Working width	mm	380
Air flow	l/s	48
Vacuum	mbar / kPa	207 / 20.7
Container capacity	l	5.5
Rated input power	W	1000
Voltage	V	220-240
Standard nominal width		ID 35
Cable length	m	12
Sound pressure level EN 60335-2-69	dB(A)	67
Uncertainty K = 1 dB(A)		
Sound power level	dB(A)	80
Weight	kg	8.7
Dimensions (L × W × H)	mm	320 × 390 × 1220



Equipment

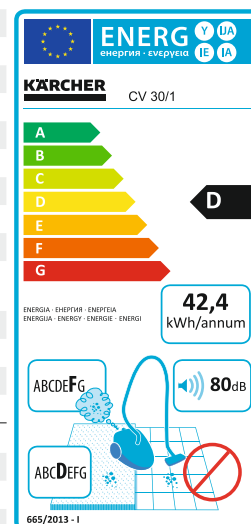
Crevice nozzle and upholstery nozzle	■
Suction tube, detachable	■
Stretchable suction hose	■
Filter bag	Fleece
Filter status indicator	■
Roller brush, quantity	piece(s)

Order No. 1.435-115.0

Price

■ Included in delivery.

D
300
48
207 / 20.7
5.5
1000
220-240
ID 35
12
67
80
8.4
320 × 310 × 1220



■
■
■
Fleece
■
1

Order No. 1.023-116.0

SMALL EXTRAS, BIG EFFECT

Our extensive range of dry vacuum cleaner accessories makes daily work with the machines even easier and more efficient. Thanks to on-board storage, accessories are always within easy reach and can be stored quickly and safely ready for the next time. Dry vacuum cleaners, together with suction nozzles, hoses and suction tubes for typical applications, form a perfectly balanced system. The result: exemplary cleaning processes and uncompromising cleanliness.



Table of contents: Dry vacuum cleaner and carpet cleaner accessories

Filters	Page	376
Suction nozzles, suction tubes and bends	Page	380
Connecting adapters	Page	386
Suction hoses	Page	388
Other accessories	Page	390



1 Simultaneous vacuuming and brushing

With the ESB 28 and ESB 34 electrical suction brushes, carpets can be thoroughly vacuumed and brushed at the same time.

2 Optimal accessory storage

The suction hose is protected when stored and the bend has its own recess.

3 Healthy air

Kärcher HEPA filters ensure perfectly hygienic exhaust air, for example in hotels, hospitals and nurseries.

4 Bagless filtration

Kärcher permanent filters allow vacuuming without a filter bag.

5 Better filtration for more efficiency

Kärcher fleece filter bags are more economical: double the dust intake capacity compared with paper filter bags, 10% better separation degree and a long lifetime reduce material costs considerably.

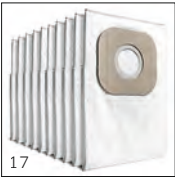
FILTERS



Large filter bag volume with compact design – a principle followed by Kärcher with every new development. The result: outstanding efficiency, low maintenance costs and long operation duration.

		Order No.	Quantity	Price	Description
Paper filter bags (two-ply)					
Paper filter bags	1	8.634-104.0	10 piece(s)		17-litre filling capacity
	2	6.904-333.0	10 piece(s)		Dust class M.
Paper filter bags, bulk value pack	3	6.904-337.0	300 piece(s)		Dust class M, bulk value pack.
Paper filter bags	4	6.904-312.0	10 piece(s)		Dust class M.
Paper filter bags, bulk value pack	5	6.904-318.0	200 piece(s)		Dust class M, bulk value pack.
	6	6.907-016.0	200 piece(s)		
Paper filter bags	7	6.907-019.0	10 piece(s)		Set (10 pieces) of paper filter bags (BIA C dust class M) for use in all commercial dry vacuum cleaners.
	8	6.904-403.0	10 piece(s)		Dust class M.
	9	6.904-294.0	10 piece(s)		
Paper filter bags, bulk value pack	10	6.904-303.0	300 piece(s)		Dust class M, bulk value pack.
Paper filter bags	11	8.621-509.0	10 piece(s)		Two-ply, for low-dust disposal.
	12	6.904-370.0	10 piece(s)		Affordable paper filter bag for dust-free disposal.
	13	6.904-376.0	10 piece(s)		Set (10 pieces) of affordable paper filter bags for low-dust disposal.
Fabric filter bag					
Fabric filter bag	14	6.904-425.0	1 piece(s)		Cotton, washable (40°C).
	15	6.904-316.0	1 piece(s)		Cotton, washable (40°C), reusable.
	16	6.904-301.0	1 piece(s)		
Fleece filter bags (three-ply)					
Fleece filter bags	17	6.904-084.0	10 piece(s)		Fleece filter bags (10 pieces). Tear-resistant, three-ply fabric approved for dust class M.
	18	6.904-335.0	10 piece(s)		Fleece filter bag, tear-resistant, dust class M.
Fleece filter bags, bulk value pack	19	6.904-336.0	300 piece(s)		Fleece filter bag, tear-resistant, dust class M. Bulk value pack.
Fleece filter bags	20	6.904-315.0	10 piece(s)		Fleece filter bag, tear-resistant, dust class M.
Fleece filter bags, bulk value pack	21	6.904-321.0	200 piece(s)		Fleece filter bag, tear-resistant, dust class M. Bulk value pack.
Fleece filter bags	22	6.907-017.0	10 piece(s)		Fleece filter bag, tear-resistant, dust class M.
Fleece filter bags, bulk value pack	23	6.907-018.0	200 piece(s)		Fleece filter bag, tear-resistant, dust class M. Bulk value pack.
Fleece filter bags	24	6.904-305.0	10 piece(s)		Fleece filter bag, tear-resistant, dust class M.
Fleece filter bags, bulk value pack	25	6.904-309.0	300 piece(s)		Fleece filter bag, tear-resistant, dust class M. Bulk value pack.
HEPA, dust class H filter					
HEPA filter cartridge	26	8.634-529.0	1 piece(s)		HEPA filter cartridge with carbon content for dust-free and odour-reduced exhaust air recirculation.
HEPA flat pleated filter	27	6.414-801.0	1 piece(s)		HEPA filter cartridge, paper/plastic (HEPA 12).
	28	6.414-760.0	1 piece(s)		

■ Included in delivery. □ Available accessories. More Kärcher original accessories and cleaning agents can be found on the following pages.

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		Order No.	Quantity	Price	Description
Main filter baskets					
Permanent main filter basket	29	2.889-099.0	1 piece(s)		Extra-strong fleece material.
	30	5.731-649.0	1 piece(s)		Reinforced polyester needle fleece, washable up to 40°C.
	31	5.731-624.0	1 piece(s)		Nylon, washable up to 40°C.
	32	4.731-011.0	1 piece(s)		Reinforced polyester needle fleece, washable up to 40°C.
	33	5.731-640.0	1 piece(s)		Nylon, washable up to approx. 40°C.
	34	5.731-632.0	1 piece(s)		
	35	5.731-628.0	1 piece(s)		
Exhaust air filter					
Filter foam	36	6.414-765.0	3 piece(s)		Standard exhaust filter.
Motor protection filter set	37	2.889-119.0	3 piece(s)		Motor protection filter, removable fleece, which can be replaced when heavily soiled.
Standard exhaust filter	38	6.414-802.0	3 piece(s)		Standard exhaust filter.
Motor protection filter	39	6.414-611.0	5 piece(s)		Change the motor filter and interchangeable fleece when heavily soiled.

■ Included in delivery. □ Available accessories. More Kärcher original accessories and cleaning agents can be found on the following pages.

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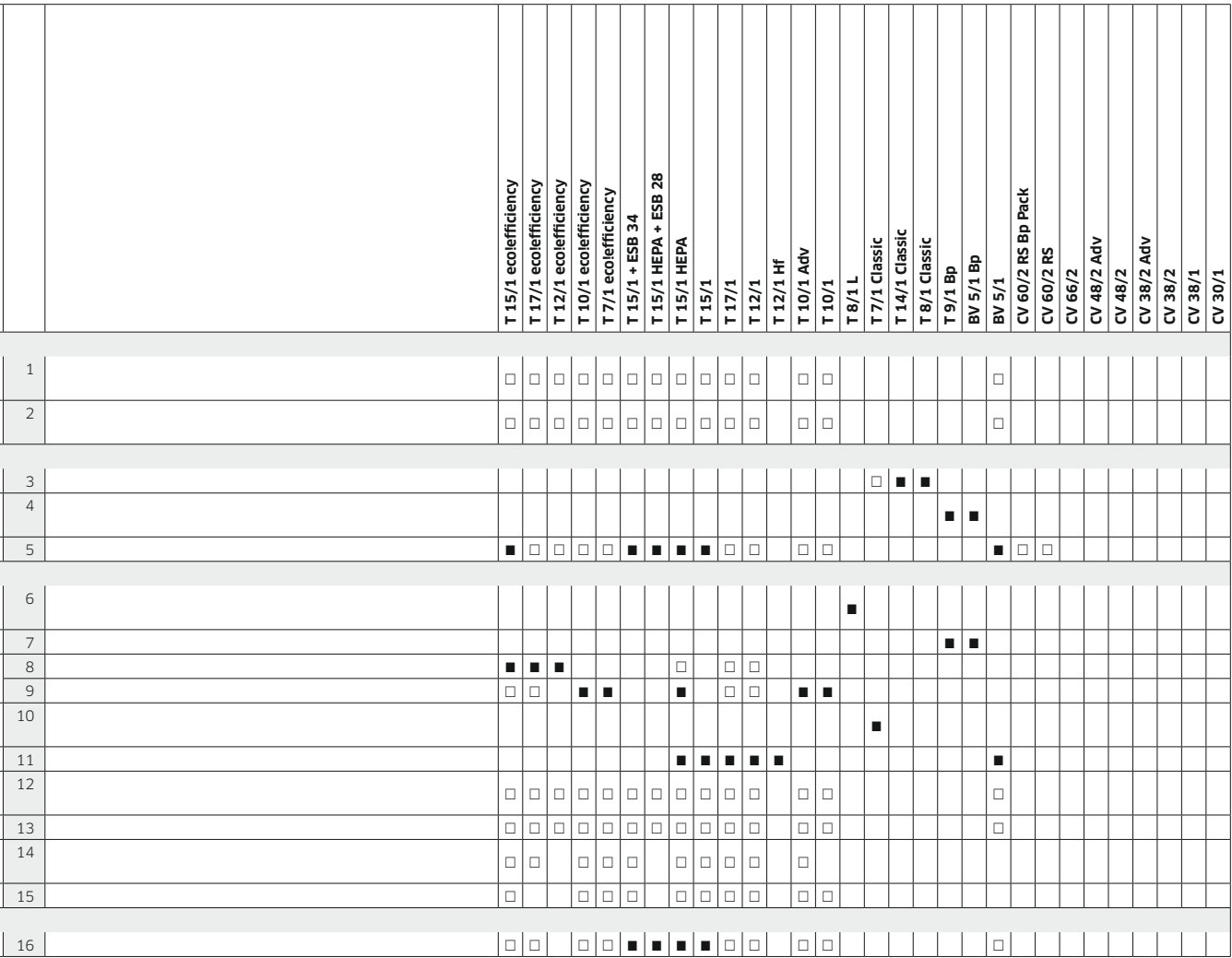
SUCTION NOZZLES, SUCTION TUBES AND BENDS



The right nozzle can considerably improve cleaning performance. Carpets regain their quality appearance and hard surfaces are left completely dust-free.

		Order No.	Quantity	ID	Length	Width	Price	Description
Turbo nozzles								
Turbo upholstery nozzle	1	2.860-113.0	1 piece(s)	ID 32		160 mm		Upholstery nozzle, plastic, with reduction bushing ID 35/32.
Turbo floor nozzle	2	2.860-114.0	1 piece(s)	ID 32		270 mm		Floor nozzle, plastic, with reduction bushing ID 35/32, 270 mm.
Upholstery nozzles								
Upholstery nozzle	3	9.770-605.0	1 piece(s)	ID 35		120 mm		Plastic.
	4	2.889-131.0	1 piece(s)	ID 35		120 mm		Plastic upholstery nozzle.
	5	6.903-402.0	1 piece(s)	ID 32		120 mm		Plastic.
Combi-nozzles, dry								
Combi-nozzle	6	2.840-038.0	1 piece(s)	ID 35		300 mm		Switchable plastic floor nozzle (combi-nozzle) with internal connecting taper ID 35.
	7	2.889-129.0	1 piece(s)	ID 35		295 mm		Plastic floor nozzle, ID 35 and switchable.
	8	6.907-468.0	1 piece(s)	ID 32		290 mm		Plastic, ID 32, switchable.
	9	6.907-467.0	1 piece(s)	ID 32		270 mm		
	10	6.907-496.0	1 piece(s)	ID 35		270 mm		Made of plastic with stainless steel soleplate, switchable and equipped with ID 35 connection.
	11	6.907-410.0	1 piece(s)	ID 32		270 mm		Plastic, ID 32, switchable.
Combination floor tool for parquet	12	6.906-107.0	1 piece(s)	ID 32		360 mm		Suitable for parquet floors, plastic with brush strips (Set no. 6.905-878.0) and two rollers.
	13	6.907-486.0	1 piece(s)	ID 32		300 mm		Plastic with ID 32 connection.
Combi-nozzle, dry	14	6.906-211.0	1 piece(s)	ID 32		262 mm		Plastic with stainless steel soleplate, switchable. T vacuums only.
	15	6.906-812.0	1 piece(s)	ID 32		255 mm		Plastic with plastic soleplate and two rollers.
Radiator brushes								
Radiator brush	16	6.903-404.0	1 piece(s)	ID 32				Plastic, for crevice nozzle (6.903-403.0).

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories and cleaning agents can be found on the following pages.



		Order No.	Quantity	ID	Length	Width	Price	Description
Crevice nozzles								
Crevice nozzle	17	2.840-039.0 ■	1 piece(s)	ID 35	195 mm			Gets into every corner and crevice: plastic crevice nozzle for commercial dry vacuum cleaners.
	18	9.770-638.0	1 piece(s)	ID 35	250 mm			Plastic.
	19	2.889-130.0 ■	1 piece(s)	ID 35	210 mm			Plastic crevice nozzle.
	20	6.906-240.0	1 piece(s)	ID 35	250 mm			Plastic.
	21	6.903-403.0	1 piece(s)	ID 32	210 mm			
Electric brushes								
Electric brush - ESB 28	22	2.641-815.0	1 piece(s)	ID 32		280 mm		ESB 28 with suction hose, electric cord and telescopic vacuum tube, only for T 201, T 12/1 (230 V).
Brush head - ESB 34	23	2.642-442.0	1 piece(s)	ID 32		340 mm		ESB 34, suction hose with electric cord and telescopic vacuum tube (230 V).
Suction brushes								
Suction brush	24	6.903-862.0	1 piece(s)	ID 35		70 mm		Natural bristles (cow hair), rotatable.
	25	6.903-887.0	1 piece(s)	ID 32		70 mm		Plastic brush, rotatable.
Micro sprayer sets								
Nozzle kit	26	2.860-143.0	4 piece(s)	ID 32				Crevice nozzle, upholstery nozzle, round brush, clip holder.
All-purpose brushes								
Multi-purpose brush	27	6.906-122.0	1 piece(s)	ID 32	120 mm			Plastic, hard bristles, 20 × 45 mm.
Suction tubes, stainless steel								
Suction tube set	28	2.840-041.0 ■	2 piece(s)	ID 35	0.5 m			Stainless steel suction tube set (2 × 50 cm) as a replacement or extension, e.g. for vacuuming ceilings.
Suction tubes, plastic								
Suction tube	29	5.481-010.0	1 piece(s)	ID 35	0.35 m			Three included in standard accessories (T 7/1 Classic)
	30	9.770-584.0	1 piece(s)	ID 35	0.5 m			Plastic, black, 0.5 m.
	31	8.600-009.0	1 piece(s)	ID 32	0.5 m			
Suction tubes, metal								
Suction tube set	32	2.643-464.0	2 piece(s)	ID 35	0.5 m			Metal suction tubes, 50 cm-long.
Telescopic suction tube	33	2.862-008.0 ■	1 piece(s)	ID 35	0.61 m			Telescopic suction tube, metal, chrome-plated, ID 35. Length from 0.61 to 1.0 m.
Suction tube	34	6.906-618.0	1 piece(s)	ID 32	0.5 m			Metal, black-coated, ID 32, 0.5 m.
Accessory tool, NUWAV kit	35	8.630-501.0	1 piece(s)					Optional accessories for CV 66/2 upright vacuum cleaner for large areas.
Telescopic suction tube	36	6.903-524.0	1 piece(s)	ID 32				Telescopic tube, metal, chrome-plated, ID 32, 0.61-1 m.
Suction tube	37	6.903-850.0	1 piece(s)	ID 32	0.5 m			Metal, chrome-plated, ID 32.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories and cleaning agents can be found on the following pages.

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		Order No.	Quantity	ID	Length	Width	Price	Description
Bend, plastic								
Bend, plastic, C-35 clip system	38	2.840-040.0 ■	1 piece(s)	ID 35				Plastic bend with practical C-35 clip system.
Bend Adv, antistatic, with secondary air slider	39	2.889-148.0 ■	1 piece(s)	ID 35				Ergonomic bend for the new clip system.
Bend, plastic	40	4.408-051.0	1 piece(s)	ID 32				Plastic with C-32 clip system.
Comfort bend, plastic, C-32 clip system	41	4.440-865.0	1 piece(s)	ID 32				Comfort bend, plastic, with C-ID 32 clip system, with low-noise air supply regulation, German patent granted: DE 102005010983 (without ESB connection).

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories and cleaning agents can be found on the following pages.

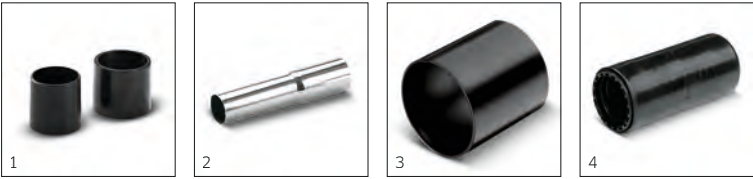
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ADAPTERS



With Kärcher's connection adapters, two suction hoses can be quickly and reliably joined together, thereby increasing the working radius.

		Order No.	Quantity	ID	Price	Description
Reduction/expansion adapter kit						
Set of reducers / adapter sleeves	1	2.860-117.0	1 piece(s)			ID 40/35, ID 35/32 (tube -> nozzle), plastic.
Reducers (tube -> nozzle)						
Reducer from ID 35 to ID 32	2	6.902-072.0	1 piece(s)	ID 35		From ID 35 to ID 32, metal.
Expansion pieces (tube -> nozzle)						
Adapter	3	6.902-083.0	1 piece(s)	ID 32		From ID 32 to ID 35, plastic.
Connecting sleeves						
Adapter, ID 32/35, with internal thread	4	6.902-077.0	1 piece(s)	ID 32		For connecting two suction hoses (not ESB 28 and 34).
<input type="checkbox"/> Available accessories. More Kärcher original accessories and cleaning agents can be found on the following pages.						



			T 7/1 eco efficiency	T 15/1 HEPA	T 15/1	T 17/1	T 12/1	T 10/1 Adv	T 10/1	BV 5/1
	1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SUCTION HOSES



Our robust and flexible suction hoses follow your every move. Electrically conductive suction hoses reliably protect against electrostatic discharge between the operator and the machine.

		Order No.	Quantity	ID	Length	Price	Description
Suction hoses							
Suction hose	1	2.889-133.0	1 piece(s)	ID 35	2.5 m		2.5 m-long suction hose with new clip fastener, C-35.
	2	2.889-132.0	1 piece(s)	ID 35	1.5 m		1.5 m-long suction hose with new clip fastener, C-35.
Complete suction hoses (clip system)							
Suction hose, complete	3	4.440-982.0	1 piece(s)	ID 32	2.5 m		With dry vacuum cleaner and clip connection, and bend, C-ID 32, electrically conductive.
Suction hose, complete, replacement	4	2.889-100.0	1 piece(s)	ID 35	2.5 m		Suction hose, complete, spare parts kit. With dry vacuum cleaner and clip connection, bend, C-ID 35.
Suction hose with bend, antistatic	5	4.440-907.0	1 piece(s)	ID 32	2.5 m		With dry vacuum cleaner and clip connection, and bend, C-ID 32.
Suction hoses, complete							
Suction hose, complete	6	9.418-507.0	1 piece(s)	ID 32	1.5 m		Suction hose with dry vacuum cleaner and C-ID 32 connection.
Suction hoses (clip system)							
Suction hose	7	4.440-911.0	1 piece(s)	ID 32	2.5 m		With dry vacuum cleaner and clip connection, C-32.
	8	4.440-890.0	1 piece(s)	ID 32	2.5 m		With dry vacuum cleaner and C-32-clip connection.
Extension hoses (clip system)							
Extension hose	9	6.906-237.0	1 piece(s)	ID 32	2.5 m		For all C-32 and C-35 hoses.
Extension hose, electrically conductive	10	6.906-277.0	1 piece(s)	ID 32	2.5 m		For all C-32 and C-35 hoses, electrically conductive.
Stretch suction hose							
Stretch suction hose, CV 38/2	11	4.440-782.0	1 piece(s)	ID 32			Corrugated suction hose.
Repair kits							
Repair kit, C-32	12	2.639-739.0	1 piece(s)	ID 32			Suction hose repair kit (clip system).

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories and cleaning agents can be found on the following pages.

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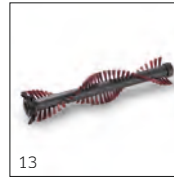
OTHER ACCESSORIES



A plug-in power cord saves time and service costs. The cord can be replaced quickly and easily as required.

		Order No.	Quantity	Price	Description
Roller brushes for Upright brush-type vacuum cleaner					
Roller brush	1	8.634-050.0	1 piece(s)		Soft, black standard bristles. 2 brushes required.
Side brush	2	8.634-216.0	1 piece(s)		Side brush, black.
Roller brush	3	6.906-641.0	1 piece(s)		Soft, black standard bristles.
	4	6.906-642.0	1 piece(s)		Hard, red bristles (e.g. for needle felt).
	5	6.906-643.0	1 piece(s)		Soft, black standard bristles.
	6	6.906-644.0	1 piece(s)		Hard, red bristles (e.g. for needle felt).
	7	8.621-611.0	1 piece(s)		Black, normal (top).
	8	4.762-487.0	1 piece(s)		Roller brush for CV 38, antistatic.
	9	8.621-612.0	1 piece(s)		Black, normal (bottom).
	10	4.762-489.0	1 piece(s)		Soft, black standard bristles.
	11	4.762-488.0	1 piece(s)		Hard, red bristles (e.g. for needle felt).
Roller brushes for electric broom EB 30/1					
Roller brush	12	4.762-400.0	1 piece(s)		Black standard bristles, material PA.
	13	4.762-401.0	1 piece(s)		Mixed bristles (natural and synthetic bristles, red), particularly suitable for hard surfaces and parquet flooring.
Rechargeable batteries + chargers					
Quick charger	14	6.654-354.0 ■	1 piece(s)		The single-slot quick charger BC 1/7 is designed for high-performance lithium-ion batteries, type BP 750.
Li-Ion battery, 36 V	15	6.654-016.0 ■	1 piece(s)		High-performance lithium-ion battery BP 750 (36 V, 7.5 Ah).
Replacement battery with lithium-ion cells, 7.2 V/2.6 Ah	16	6.654-328.0	1 piece(s)		Li-ion, 7.2 V/2.6 Ah.
Universal quick charger	17	6.654-190.0	1 piece(s)		BC 1/1.8, 1-channel quick charger.
Replacement battery with lithium-ion cells, 7.2 V / 1.3 Ah	18	6.654-273.0	1 piece(s)		Li-Ion, 7.2 V / 1.3 Ah.
Power cord with plug					
Power cord	19	6.650-302.0	1 piece(s)		Plug-in power cord, 15 m.
	20	6.649-743.0	1 piece(s)		Plug-in power cord, 12 m.
	21	6.650-306.0	1 piece(s)		Plug-in power cord, 7.5 m.

■ NEW ■ Included in delivery. □ Available accessories. More Kärcher original accessories and cleaning agents can be found on the following pages.

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SO THAT NO DIRT REMAINS IN THE CARPET

Carpets in offices, hotels and schools are subject to heavy traffic every day. This is where our carpet cleaners have proven invaluable. They are robust, powerful, versatile and suitable for deep and intermediate cleaning of carpets and removing stains on textile surfaces. Our carpet cleaners are also ideal for deep cleaning upholstery and car seats. And, with the right accessories, they can even be used to clean tiles.



Table of contents: Carpet cleaners

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Professional power brush	Page	400
Air blower	Page	401
Deep carpet cleaners	Page	402
Intermediate carpet cleaner	Page	405
Accessories	Page	406
Cleaning agents	Page	772



The first of its kind: BRC 40/22 C

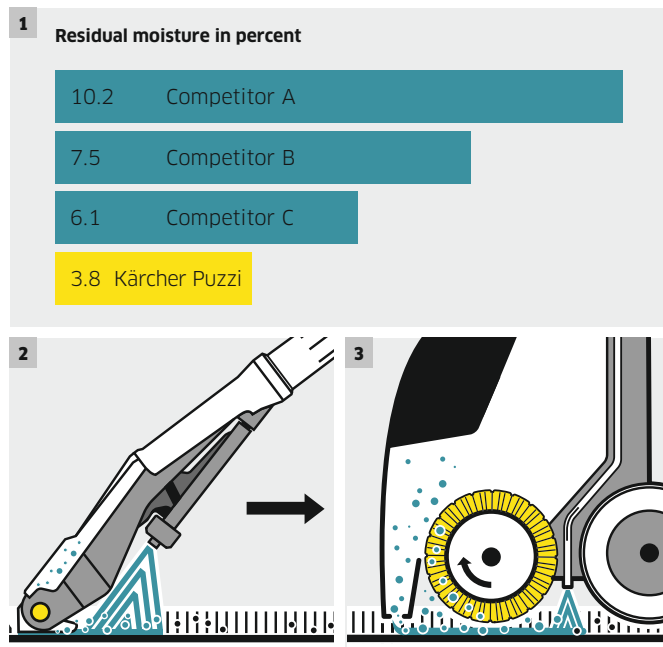
As the first deep carpet cleaner on the market, the BRC 40/22 C is capable of cleaning forwards and this obviates the need to walk back and forth during the cleaning process, which saves at least 30% time and increases productivity significantly. This is made possible by the brush head with integrated suction, which rotates 200° in both directions. The BRC 40/22 C: for deep and economical carpet cleaning.

How to read the unit names:

Unit type	Water tank	Spray pressure	Type and equipment
Example: Puzzi	30	4	
Puzzi = Product name	In unit names with a combination of numbers, the first number stands for the capacity of the fresh water tank (in litres).	In unit names with a combination of numbers, the second number stands for the spray pressure (in bar).	Adv = Advanced, machine with additional equipment E = Electrically heated C = Compact, machine with compact dimensions

Unit type	Working width	Tank volume	Type and equipment
Example: BRC	30	15	C
BRC = Floor cleaner with carpet roller	In unit names with a combination of numbers, the first number stands for the working width in cm.	In unit names with a combination of numbers, the second number stands for the tank volume.	C = Compact, machine without traction drive

Unit type	Working width	Tank volume	Type and equipment
Example: BRS	43	500	C
BRS = Scrubber with roller	In unit names with a combination of numbers, the first number stands for the working width in cm.	In unit names with a combination of numbers, the second number stands for the speed (rpm).	C = Compact, machine without traction drive



1 Quick-drying

The powerful suction turbine of Kärcher Puzzi machines leaves carpets virtually touch-dry in minutes. Carpets dry up to 63% faster than with comparable products and can be walked on in a very short time.

2 The spray extraction principle

With the spray extraction method, the water and cleaning agent are sprayed deep into the carpet while simultaneously vacuuming the dirty solution back again. Dirt is dissolved and removed in a single pass. Due to the low residual moisture, carpets are dry in next to no time.

3 Thoroughly clean

The brush mechanism of carpet cleaners with roller brush intensifies the cleaning power of the cleaning agent. This raises the carpet pile.



4 Twice as versatile

The BRC 45/45 C and BRC 40/22 C with sweeping mechanism are multifunctional all-rounders. They feature fibre-deep carpet cleaning with spray extraction, mechanical brush support and contra-rotating roller brushes for quiet operation and constant brush contact. The iCapsol RM 768 cleaning agent from Kärcher is recommended for the efficient cleaning of carpets as it greatly reduces the drying time.



5 Innovative accessories

The accessories for the Puzzi come with a large number of innovations. A flexible joint enables the best possible extraction at any angle. Cleaning under objects is easy - incorrect use is prevented. The modular system allows for quick changes between floor, upholstery and crevice nozzles.



6 Kärcher cleaning agents

CarpetPro Cleaner RM 760 Powder is a spray extraction deep cleaner with encapsulation technology and odour eliminator. Permanently eliminates unpleasant odours. No need for time-consuming rinsing. CarpetPro Conditioner RM 763 removes residual dirt and surfactant residues from carpets and textile surfaces. Reduces the need for rinsing. Refreshes fibres and colours.

7 One for all: the handle with trigger

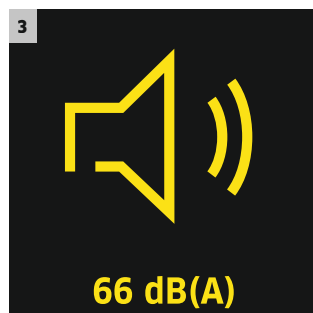
The indispensable handle with trigger fits all carpet cleaners from Puzzi 8/1 to Puzzi 30/4. Since all accessories are compatible the right accessories are available for every cleaning task and every machine.

SPRAY EXTRACTION DEVICES – 30 LITRES



The professional for large textile surfaces

Puzzi 30/4, the quietest wet vacuum cleaner of its kind (66 dB[A]). Its upright design provides very good handling, space-saving transport and storage. With flexible suction lip, 350 mm floor nozzle and 30% faster drying time compared with the competition thanks to a very high air flow.



1 Power outlet for PW 30/1

- The integrated power outlet enables flexible use of the PW 30/1 without an additional power source.
- When not in use, the power outlet is effectively protected by an automatically closing flap.
- The PW 30/1 increases the area performance, cleans the pile with a rotating brush and aligns it in one direction.

2 Removable dirty water tank

- To protect against dirt, the dirty water tank's handle is attached to the outside.
- The dirty water tank is easy to remove and can also be used to fill the fresh water tank.
- A short description on the rear of the dirty water tank explains the work process in a way that is easy to understand.

3 Extremely quiet

- At just 66 dB(A), the Puzzi 30/4 is the quietest wet vacuum cleaner of its kind.
- Thanks to the low noise volume, the machine can be used everywhere, even during business hours and in hotels.
- The low noise emissions protect the operator and allow longer work intervals.

4 Large tank volume

- Even with a full 30-litre fresh water tank, the Puzzi 30/4 can be easily transported lying on its back.
- An integrated level indicator display shows the operator the current fresh water level.
- The fresh water filter protects the components and can be removed without tools and cleaned.

TECHNICAL DATA AND EQUIPMENT

Puzzi 30/4

Puzzi 30/4 E

- Removable dirty water tank
- Fresh water tank fill level display
- Horizontal transport possible with full fresh water tank

- Heating rods integrated in fresh water tank
- Integrated overheating-protection
- Heating can be easily operated with EASY Operation

Technical data

Max. area performance	m ² /h	60-75	60-75
Air flow	l/s	74	74
Vacuum	mbar / kPa	254 / 25.4	254 / 25.4
Spray rate	l/min	3	3
Spray pressure	bar	4	4
Tank, fresh washer	l	30	30
Tank, dirty water	l	15	15
Turbine power rating	W	1200	1200
Pump power rating	W	70	70
Voltage	V	220-240	220-240
Weight	kg	26	28
Dimensions (L × W × H)	mm	580 × 460 × 930	580 × 460 × 930

Equipment

Spray hose with integrated water feed	m	4	4
Narrow floor nozzle, complete with flexible suction lip		-	-
Handle with trigger		■	■
Power outlet for professional power brush		PW 30/1	PW 30/1
Order No.		1.101-120.0	1.101-122.0
Price			

■ Included in delivery.

SPRAY EXTRACTION MACHINES – 10 LITRES

For well-maintained carpets



Puzzi 10/1 and Puzzi 10/2 Adv clean carpeted floor areas of 20 to 45 m² par excellence. The modular accessories are kept directly on the machine. The carrying handle offers a slot for the suction tube.



1 Perfectly suitable for everyday use.

- Adjustment of the handle without any tools; Accessory/cord fixings; quick change from floor nozzle to upholstery nozzle.
- Quickly adjusts to different requirements.

2 Improved cleaning performance

- With integrated connection for the PW 30/1 professional power brush.
- High cleaning performance.

Puzzi 10/2 Adv

Puzzi 10/1

- Defoamer dosing
- Compartment for cleaning agent tablets
- Power outlet for PW 30/1

- Removable dirty water tank
- Rubber mounted pump / turbine
- Extra handle on floor nozzle

Technical data

Max. area performance	m ² /h	30-45	20-25
Air flow	l/s	54	54
Vacuum	mbar / kPa	220 / 22	220 / 22
Spray rate	l/min	2	1
Spray pressure	bar	2	1
Tank, fresh washer	l	10	10
Tank, dirty water	l	9	9
Turbine power rating	W	1250	1250
Pump power rating	W	80	40
Voltage	V	220-240	220-240
Weight	kg	11.5	10.7
Dimensions (L × W × H)	mm	705 × 320 × 435	705 × 320 × 435

Equipment

Spray hose with integrated water feed	m	2.5	2.5
Narrow floor nozzle, complete with flexible suction lip	■	■	■
Handle with trigger	■	■	■
Upholstery nozzle	-	■	■
Crevice nozzle	-	-	-
Power outlet for professional power brush	PW 30/1	-	-
Order No.	1.193-120.0	1.100-130.0	1.100-130.0
Price			

■ Included in delivery.

SPRAY EXTRACTION MACHINES – 8 LITRES

Compact and portable – perfect for valeting

The handy, compact and powerful Puzzi 8/1 C spray extraction cleaner is ideal for small areas and upholstery cleaning with excellent cleaning results.



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1 Lightweight

- At 9.8 kg, the Puzzi 8/1 C is easy to carry and 35 percent lighter than the competition. Ideal for intermediate cleaning, thanks to rapid drying.
- Easily transported, even over obstacles and stairs.

2 Compact construction style

- The Puzzi 8/1 C also shows its strengths when cleaning upholstery and vehicle interiors.
- Compact, space-saving design.

Puzzi 8/1 C

- Foldable cable hook
- Large foot switch
- Accessory storage for hand nozzle

Technical data

Max. area performance	m ² /h	12-18
Air flow	l/s	61
Vacuum	mbar / kPa	236 / 23.6
Spray rate	l/min	1
Spray pressure	bar	1
Tank, fresh washer	l	8
Tank, dirty water	l	7
Turbine power rating	W	1200
Pump power rating	W	40
Voltage	V	220-240
Weight	kg	9.8
Dimensions (L x W x H)	mm	530 x 330 x 440

Equipment

Spray hose with integrated water feed	m	2.5
Handle with trigger	■	
Upholstery nozzle	■	
Order No.		1.100-225.0
Price		

- Included in delivery.