

Public services  
Educational facilities



For education, sport and administration.







## Good prospects for success.

Education is the most important raw material for the future. The quality of education and training increasingly determines the competitiveness and general prosperity of states and each individual. Consequently, substantial sums of money are invested in educational facilities and their operation. In order to protect these investments and a positive learning environment, these facilities require continuous maintenance using professional cleaning technology. The Kärcher system offers convincing solutions for any cleaning task in public educational facilities: perfectly matched machines, accessories and cleaning agents. They are high performance, efficient and cost-effective thanks to innovative technology, low consumption and high durability.





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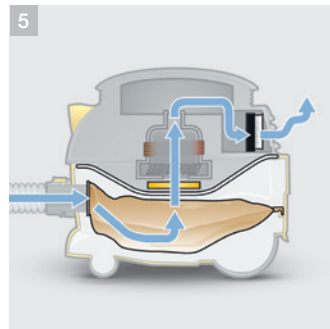


## Cleaning with sustainability.

The name Kärcher is synonymous with high performance, quality and innovation worldwide. In addition to cleaning competence which sets standards far beyond the removal of dirt. To meet general hygiene requirements, disinfecting cleaning agents can be used and many Kärcher cleaning devices can be fitted with hygiene filters. Specially equipped and certified cleaning devices are available for the implementation of HACCP concepts and maintenance of even the most demanding hygiene levels.







### 1 Always the best cleaning agent

For over 30 years, Kärcher has developed its own highly efficient and eco-friendly cleaning agents and chemicals for specific cleaning tasks. Kärcher has been a supplier of high-quality systems for years and now ranks as a world leading manufacturer of cleaning machines, cleaning agents and chemicals. Kärcher has a wealth of expertise and technologies that set standards and offer tailor-made solutions from one source.

### 2 eco|efficiency – achieve more with efficiency

Efficiency comes in different dimensions: Reduced energy consumption. High-performance internal-combustion engines. Lower cleaning agent consumption. Highly concentrated cleaning agents to avoid packaging. Designed for recycling or minimisation of components. Effects which can only be achieved through new ideas and innovative technologies and which, above all, require the will and ability to actually carry them out. Kärcher offers a comprehensive range of machines featuring the eco|efficiency mode as well as cleaning agents for effective, efficient and eco-friendly cleaning.

### 3 A fine idea: the microfibre roller

The use of microfibres marks a quantum leap in the cleaning of hard surfaces. This Kärcher invention makes use of the benefits of the high friction microfibres in professional cleaning for the first time, which means it has tremendous bonding capacity for dirt, grease and water combined with robustness and problem-free cleaning.

### 4 Safety is a key function

The KIK system of the B 40 C/W, B 60 W und B 80 W offers much greater protection against operating errors. Operators cannot change the basic machine settings, which are preset or enabled by the supervisor for the cleaning job or facility concerned. The operator only needs to insert the key. The machine can only be started with the associated coded key and is thus protected against unauthorised use.

### 5 6-stage filtration system including HEPA

The 6-stage filtration system with 3-ply fleece filter bag, permanent main filter, motor filter and blower/HEPA filter ensures optimal dust separation with an efficiency of up to 99.997% in HEPA quality.

### 6 An outstanding combination of form and function

Kärcher machines have repeatedly won awards for the successful combination of form and function, such as the “red dot design award” and the “if Product Design Award”. They are also TÜV approved for use in hygiene-sensitive areas with HACCP certifi-



# The talent of achieving a lot with a little.

Achieving as much as possible with as little effort as possible is part of human nature. It is simply striving for more efficiency. The new Kärcher Professional devices in anthracite demonstrate how much efficiency is possible in cleaning technology today. This attractive device colour is a symbol for a new generation of cleaning devices with special talents. For cleanliness on public surfaces, hallways and rooms in just one run. For easy transport – even on stairs. And for surfaces that can be used immediately after cleaning.



**Vacuum cleaners**  
Quiet, powerful and economical.  
Dry or wet.



**Scrubber driers**  
The best in their class on hard surfaces.



**Spray extraction devices**  
For stain removal and deep cleaning of textile surfaces.





### 1 Carpets quickly cleaned

When there is not enough time for drying or basic cleaning of carpets: the Kärcher system, consisting of CV upright vacuum and BRC carpet cleaner with iCapsol RM 768 detergent, for gentle deep cleaning with fast drying.



### 2 Ideal for entrances

Effective on road dirt, easy handling, fast drying, reduced water consumption. The Kärcher B 60 W family with Intelligent Key system and the EASY Operation advanced operating concept offers an unprecedented level of safety and protection for the operator, the machine and the work area. For optimal use of energy, the contact pressure of the brush head can easily be set to five different modes to suit individual requirements.



### 3 Quiet is clever

With only 59 dB (A), the T 15/1 is the quietest vacuum cleaner in its class and is ideal for noise-sensitive areas. The T 15/1 is also very efficient and cleans thoroughly and deeply.



### press&ex RM 760 ASF

For deep cleaning of textile surfaces and upholstery with spray extraction devices.



# Space for clear thoughts.

A positive learning environment is important for teachers, as well as students. Because new ideas don't grow on dust or road dirt. And talents develop better in a pleasant atmosphere. To ensure classrooms, offices, lecture theatres and other heavily frequented rooms are always clean and maintained, professional cleaners choose cleaning solutions from Kärcher, the world's market leader. Everything from a small device to a tailored system solution, all from a single source, with professional advice, training and service.



**Compact scrubber driers**  
Very big on small surfaces.



**Polishing machines**  
Compact and manoeuvrable.  
With battery or cable.



**Vacuum cleaners**  
Wet or dry. For large areas or spot cleaning.



**Electric brushes and sweepers with battery operation**  
Useful and always at the ready.





#### 1 Without cables. Flexible. Fast

Thanks to battery operation, the powerful BV 5/1 backpack vacuum allows cable-free, unrestricted use in confined spaces – with shoulder strap and lumbar support.

#### 2 Powerful. Enduring. Versatile

The BD 50/40 RS enables a high sqm performance in a short time with a uniform cleaning result. One battery charge is sufficient for up to 2,500 sqm of surface with normal dirt levels. With a maximum width of 705 mm, the slim BD 50/40 RS fits even though narrow corridors.

#### 3 The quick devices for occasional use.

The cable-free EB 30/1 Li-Ion is a particularly quiet electric broom for quick interim cleaning. With Li-Ion technology and extra long battery operating time: 60 minutes on carpet and up to 80 minutes on hard surfaces. Includes quick charger BC 1/1.8 and replacement battery for uninterrupted use.

#### 4 Central. Optimal

The BDS 43/180 C Adv single disc machine with optional tank mounted above the engine housing is impressive in daily use: with the centre of gravity located near the centre of the machine, this results in increased contact pressure and reduced guiding forces. The tank with filling level display can be accessed directly, can be removed in seconds with the handle and filled at the tap. Two robust, oval aluminium bars and the wide, ergonomic handle ensure optimal application of force, perfect balance and effortless operation.



# Task: hygiene. Solution: efficient.

Hygiene is something you have, not something you talk about. Facilities such as sports halls, changing rooms and swimming pools encompass a vast array of critical areas with different levels of hygiene demands. Wet areas, joints and large surfaces. Impressive cleaning solutions are required for every task: with fast work progress, high cleaning performance and low consumption. Thanks to professional tank volumes and economical use of water and cleaning agents, the machines can be used for longer before they need to be refilled.



**High-pressure cleaner with cold and hot water operation**  
The global standard.



**Emission-free hot water high-pressure cleaner**  
Top performance for enclosed rooms.



**Scrubber driers**  
For perfectly cleaned floors.





### 1 Advanced foam systems

Kärcher has developed special foam systems for economical cleaning and disinfection. Easy foam set: the standard solution for producing foam. Can be used with all Kärcher HD and HDS units. Inno foam set: double spray lance with foam nozzle and changeover to high-pressure for producing very adherent cleaning and disinfection foams.

### 2 When the head decides

The BDP 51/180 C Adv and spray cleaner are a time-saving solution for removing marks and films. Particularly on large surfaces, the ergonomically perfect and user-friendly, 2-shaft machine type enables fatigueless operation.

### 3 Full steam ahead

Time is money – particularly in commercial cleaning. The DE 4002 features an ingenious filling system and convenience, making it especially efficient. The DE 4002 removes limescale and films of dirt especially quickly and effectively.

### 4 Swimming pools: uncompromising hygiene

A prerequisite for hygiene is regular, thorough cleaning. With rotating rollers, the B 40 C/W, B 60 W and B 80 W scrubber driers achieve the desired deep cleaning on tiled flooring.



#### Inno Foam Kit

Double spray lance with foam nozzle and changeover to high-pressure for producing very adherent cleaning and disinfection foams.



# Top marks for hygiene.

With the exception of medicine, professional hygiene is surely more important in the food branch than anywhere else. The implementation of effective HACCP concepts for large kitchens and canteens places great demands on cleaning. And this is equally true for neighbouring rooms, such as laboratories, workshops and training workshops, in order to prevent the transfer of germs. The Kärcher system offers reliable and efficient solutions for every requirement. Many Kärcher cleaning devices can be fitted with hygiene filters or food-use approved running wheels.



**Wet and dry vacuum cleaners**  
Universal, versatile and user-friendly.



**Scrubber driers**  
Make floors thoroughly clean.



**High-pressure cleaners**  
Specifically for use in the food industry.





**1 Critical: hygiene on carpeting**

The CV 60/2 RS step-on vacuum cleaner is very versatile and fits into every elevator. Used in conjunction with iCapsol RM 768, the CV 60/2 is the perfect solution for gentle deep cleaning with fast drying in multi-storey buildings.

**2 The specialist for food**

The HD 7/10 CXF is an unheated high-pressure cleaner, specifically developed for general-purpose commercial use in sanitary and food areas. This compact device features infinitely variable regulation of pressure and water amounts, the perfect preconditions for meeting strict hygiene requirements.



**3 All-rounder, quick and efficient**

The BRS 40/1000 C is a universal scrubber for basic and maintenance cleaning of hard surfaces as well as for stripping, crystallising, shampooing and polishing. Thanks to contra-rotating rollers, the machine runs straight without wandering and is easy to manoeuvre. With a clearance height of just 13.5 cm, the BRS 40/1000 C is the flattest device in its class.

**4 Constant suction power**

The NT 55/2 Tact<sup>2</sup> Me I is ever popular as a specialist system and all-rounder thanks to its high level of mobility and excellent performance, solid construction and a wide range of practical design features. The set-down container makes the disposal of liquids and coarse dirt easy.

# High performance in all areas.

Outdoor areas must not only give a good impression. All-round maintenance of the infrastructure is indispensable for ensuring that daily routines can be carried out smoothly and safely. Roads and paths, multi-storey car parks and green areas are the domains of the powerful and versatile sweepers from Kärcher: sweep, dry or wet. Mow grass. Collect leaves. As well as complete winter service. For innumerable other cleaning tasks, Kärcher high-pressure cleaners perform other invaluable services: from vehicle care to floor cleaning and the removal of graffiti.



**Compact walk-behind sweepers**  
Complete sweeping tasks in a fraction of the usual time and are considerably more cost effective than a normal broom.



**Ride-on vacuum sweepers**  
Are the solution for sweeping large areas – car parks and driveways.

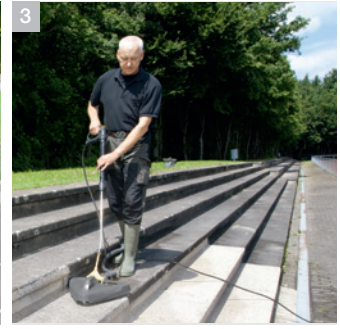


**Ride-on scrubber drier**  
For demanding cleaning jobs and long periods of use. The first choice for underground car parks and multi-storey car parks as well as loading zones.



**High-pressure cleaners**  
Are indispensable in many areas, including façade cleaning and floor cleaning.





### 1 Right on track

Multi-storey car parks often place high demands on scrubber driers: large areas, coarse and stubborn dirt and steep ramps. The Kärcher BR 100/250 R is the right machine for this job: with robust steel frame for heavy-duty use on areas with inclines up to 15%. With large water tank and powerful battery for long periods of uninterrupted use.

### 2 Could it get any easier?

The compact and extremely manoeuvrable KM 75/40 W thoroughly cleans small to medium-sized areas effortlessly. The traction drive replaces physical strength, while the powerful vacuum picks up dust without any turbulence. Available with a choice of powerful petrol engine or whisper-quiet, battery-powered version for indoor use – with optional antistatic carpet sweeping kit.

### 3 Innovative surface cleaning

The FRV 30 surface cleaner cleans surfaces quickly without splashing and automatically picks up the dirty water. This obviates the need to rinse surfaces after cleaning.

### 4 Performance across the whole spectrum

With its 34 HP Kubota diesel motor, a sweeping width of min. 1400 mm and 500 l tank volumes, the MIC 34 C is equipped for large tasks. The optional third side brush extends the sweeping width to a total of 2000 mm. An unbeatable combination for sweeping in corners and along kerbs.

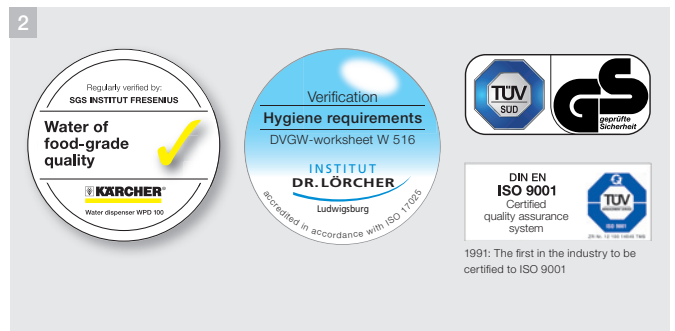
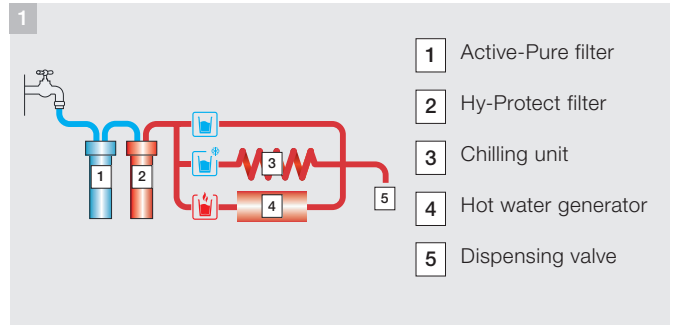
### 5 For year-round use.

The MIC 34 C rounds off the Kärcher range of municipal implement carriers. The quick changeover system enables attachments to be changed quickly without tools. The 34 HP turbo diesel engine has power reserves at the ready.



# WPD 100 water dispenser – delivering water in a class of its own.

The Kärcher WPD 100 turns normal tap water into healthy drinking water. Plumbed in, it offers a constant supply of water of the highest quality due to its unique filter and hygiene concept. Chilled or hot, non-carbonated or carbonated at the push of a button. Hygienic, calorie-free, neutral tasting and pure. This is achieved by automatic thermal disinfection, a water dispensing valve with contact protection and innovative filter concept consisting of Active-Pure filter and Hy-Protect filter.



## 1 Complete hygiene concept

By means of integrated thermal disinfection, all water pipes, the heating and chilling unit as well as the Hy-Protect filter and water dispensing valve are regularly disinfected automatically – without the use of chemicals. The Active-Pure filter, a sintered activated carbon block filter, ensures a pure taste by removing chlorine, heavy metals and other substances. The Hy-Protect filter delivers perfectly hygienic water by means of ultrafiltration. Its fine pore membrane reliably retains bacteria and viruses. All minerals contained in the water are retained.

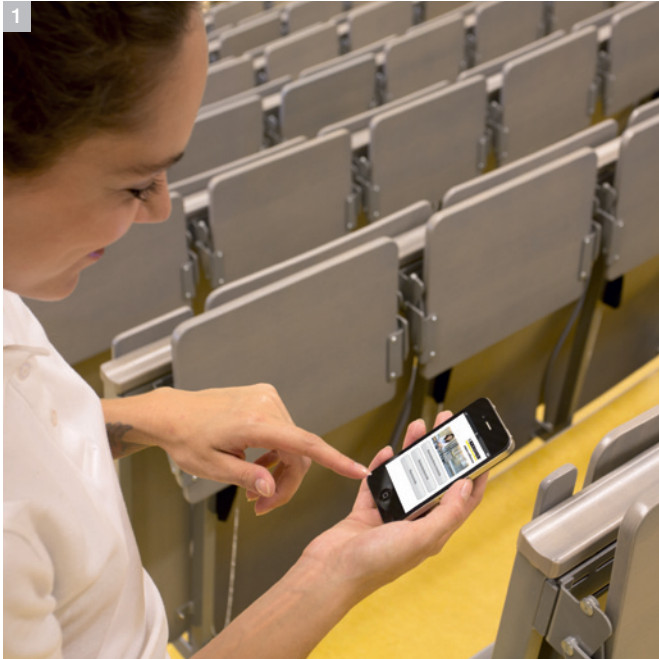
## 2 Certified quality

Best quality, proven by independent institutes: TÜV Süd and SGS INSTITUT FRESENIUS. The hygiene requirements set out in the DVGW worksheet W 516 are met.



# Programmed to succeed: ECO!Manager.

Kärcher ECO!Manager software optimises all documentation and information processes in facility management: recording, management and control of facilities, rooms, equipment and services. Continuously, any time and anywhere. The application spectrum of ECO!Manager extends from facilities manager activities and facilities management, complaints processing, planning and documentation of working hours and activities, complete machine management and documentation of technical maintenance services.



## 1 The complete project from one source

The new Public Services module for the Kärcher ECO!Manager offers advanced project tools for public services: Planning, overview and evaluation over all phases of a wide variety of tasks. The innovative software is compatible with standard interfaces, e.g. payroll accounting software. The ECO!Manager Public Services can automatically send orders to the responsible authority, such as the release to the construction yard after order confirmation. The high performance, seamless compatibility and problem-free individualisation of the Kärcher ECO!Manager offer practically unlimited possibilities for the control and optimisation of processes, as well as for increasing efficiency.


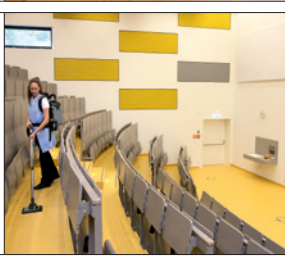


## 2 Easy documentation by scanning

For complex tasks and activities in the service sector, modern organisation is a decisive success factor. Individual bar codes on doors, facilities or equipment enable fast and clear documentation of attendance times and activities by scanning. Regularly recurring cleaning tasks or disinfection as well as additional activities. ECO!Manager enables reliable and requirement-oriented acquisition, storage and processing of all relevant data in diverse areas: contract cleaning, security, property management, caretaking, machine management and technical services. ECO!Manager gives managers a full overview of planned, current and completed activities and utilised resources, any time and anywhere.

## 3 Immediately record and react

Barcodes enable the recording of damage and appropriate measures to be taken on site. Instructions for subsequent cleaning, repairs or replacement can be issued immediately. This reduces reaction times and makes an important contribution towards the prevention of nosocomial infections.

# Find what you need at a glance.

Use	Cleaning tasks	Vacuums and carpet cleaners	High-pressure cleaners	Scrubbers and scrubber driers
Public areas/ corridors		<p>Vacuums and carpet cleaners</p>  <p>Puzzi 100 Super, Puzzi 200 Puzzi 300 S, Puzzi 400/400 E/400 K AB 20, T 10/1 Adv T 12/1 Adv/ ecoefficiency T 15/1, CV 38/2, CV 48/2 CV 60/2 RS Bp Pack NT 15/1, NT 27/1, NT 48/1 NT 70/2 Adv, NT 70/3</p> <p><b>Cleaning agents:</b> RM 760/ Tabs, RM 764, RM 768 iCapsol</p>	<p>High-pressure cleaners</p>  <p>HD 9/20-4 M HDS 7/16 C HDS 9/18-4 M</p> <p><b>Cleaning agents:</b> RM 750</p>	<p>Scrubbers and scrubber driers</p>  <p>BD 40/12 C Bp Pack BR/BD 40/25 C B 40 C/W BD 50/40 RS, BR 55/40 RS B 60 W BDP 50/1500 C oder BDP 43/450 C Adv</p> <p><b>Cleaning agents:</b> RM 780, RM 755 ES, RM 754, RM 752, RM 69, RM 750</p>
Offices, auditoria, classrooms		<p>Puzzi 8/1 C, Puzzi 100 Super Puzzi 200, Puzzi 300 S Puzzi 400/400 E/400 K EB 30/1 Li-Ion, AB 20, BV 5/1 T 10/1, T 10/1 Adv T 12/1 Adv/ ecoefficiency T 15/1, CV 30/1 NT 35/1 Ap, NT 65/2 Ap</p> <p><b>Cleaning agents:</b> RM 760/ Tabs, RM 764, RM 768 iCapsol</p>		<p>BR 30/4 C BR 40/10 C Adv BD 40/12 C Bp Pack BD 50/40 RS BR/BD 40/25 C B 40 C/W BDS 43/180 C Adv</p> <p><b>Cleaning agents:</b> RM 780, RM 755 ES, RM 754, RM 752, RM 69, RM 730, RM 753</p>
Sports halls/ sports facilities/ indoor swimming pools		<p>DE 4002 T 10/1 Adv T 12/1 Adv T 15/1 NT 48/1 NT 70/2 Adv NT 70/3 NT 65/2 Ap</p>	<p>HD 6/16-4 M HD 1050 B HDS 8/18-4 C HDS-E 8/16-4 M</p> <p><b>Cleaning agents:</b> RM 58, RM 59, RM 25, RM 750, RM 732, RM 735</p>	<p>BR 40/10 C Adv BRS 40/1000 C B 40 C/W B 60 C/W B 80 W BDS 43/180 C Adv BDS 51/180 C Adv</p> <p><b>Cleaning agents:</b> RM 69, RM 755 ES, RM 780, RM 754, RM 753, RM 750</p>
Large kitchens/ canteens/work- shops		<p>DE 4002 T 10/1 Adv T 12/1 Adv/ ecoefficiency T 15/1 CV 38/2, CV 48/2 CV 60/2 RS Bp Pack NT 27/1 NT 48/1 NT 70/2 NT 35/1 Ap, NT 35/1 Tact NT 55/2 Tact<sup>2</sup> Me I</p>	<p>HD 5/15 C Plus HD 6/16-4 M HD 7/10 CXF HD 10/15-4 Cage Food HD 9/18-4 ST</p> <p><b>Cleaning agents:</b> RM 58, RM 59, RM 31, RM 731, RM 732, RM 735, RM 734, RM 750</p>	<p>BRS 40/1000 C BD 40/12 C Bp Pack BR 40/10 C Adv BR 40/25 C BD 40/25 C</p> <p><b>Cleaning agents:</b> RM 69 RM 752 RM 753 RM 750</p>
Sports grounds			<p>HD 6/15 CX Plus HD 9/20-4 M</p>	
Underground car park/car park areas			<p>HD 6/15 CX Plus HD 9/20-4 M HDS 8/18-4 C</p>	<p>BR 100/250 R Bp Pack</p>
School yards			<p>HD 5/15 CX Plus HD 9/20-4 M</p>	



Sweepers and vacuum sweepers	System solutions	Manual cleaning	Municipal	Water dispenser
 <p>KM 35/5 C KM 75/40 W Bp Pack KM 85/50 W Bp Pack KM 90/60 R Bp Pack</p>	 <p>FR 30 FRV 30 FR 30 Me FR 50 Me Microfibre roller</p> <p><b>Cleaning agents:</b> RM 750</p>	 <p><b>Cleaning agents:</b> CA 30 C CA 40 R CA 50 C</p>		 <p>WPD 100</p>
<p>KM 35/5 C KM 75/40 W Bp Pack</p>	<p>Microfibre roller</p>	<p><b>Cleaning agents:</b> CA 10 C CA 10 C Extra CA 20 C CA 20 R CA 30 C CA 40 R CA 50 C</p>		<p>WPD 100</p>
<p>KM 35/5 C KM 70/30 C Adv KM 75/40 W Bp Pack KM 85/50 W Bp Pack KM 90/60 R Bp Pack KM 100/100 R Bp/Lpg</p>	<p>FRV 30 FR 30 Me FR 50 Me Inno Foam Kit Cup foam lance Microfibre roller S 65 head</p>	<p><b>Cleaning agents:</b> CA 10 C Extra CA 10 C CA 20 C CA 20 R CA 30 C CA 40 R CA 50 C</p>		<p>WPD 100</p>
<p>KM 35/5 C KM 75/40 W Bp Pack KM 90/60 R Bp Pack</p>	<p>FRV 30 FR 30 Me Cup foam lance Inno Foam Kit Microfibre roller</p>			<p>WPD 100</p>
<p>KM 70/15 C KM 70/20 C KM 70/30 C Bp KM 75/40 W Bp/P KM 90/60 R Bp/P KM 100/100 R Bp/P/Lpg/D</p>			<p>MC 50 MIC 34 C MIC 45 MIC 84</p>	
<p>KM 70/15 C KM 70/20 C KM 70/30 C Bp KM 75/40 W Bp/P KM 85/50 W Bp/P KM 90/60 R Bp/P KM 100/100 R Bp/P/Lpg/D KMR 1250 BAT/B/Lpg/D KM 120/150 R Bp/P/Lpg/D KM 130/300 R Bp/D/Lpg KM 150/500 R Bp/D/Lpg</p>			<p>MC 50 MIC 34 C MIC 45</p>	
<p>KM 35/5 C KM 70/15 C KM 70/20 C KM 70/30 C Bp KM 75/40 W Bp/P KM 85/50 W Bp/P KM 90/60 R Bp/P KM 100/100 R Bp/P/Lpg/D KMR 1250 BAT/B/Lpg/D KM 120/150 R Bp/P/Lpg/D KM 130/300 R Bp/D/Lpg</p>			<p>IC 15/240 W MC 50 MIC 34 C MIC 45 MIC 84</p>	

# Technical data at a glance.

## Cold water high-pressure cleaner

	Power supply (phases)		Water flow rate (l/h)	Max. pressure (bar/MPa)	Operating pressure (bar/MPa)
	Connected load (kW)				
<b>HD compact class</b>					
HD 5/15 C Plus	1	2.7	230-500	185 / 18,5	30-150/3-15
HD 5/15 CX Plus	1	2.7	230-500	185 / 18,5	30-150/3-15
HD 6/15 CX Plus	1	3,1	230-560	190 / 19	30-150/3-15
<b>HD middle class</b>					
HD 6/16-4 M	1	3.4	230-600	190 / 19	30-160/3-16
HD 9/20-4 M	3	7.0	460-900	220 / 22	40-200/4-20
<b>HD with internal combustion engine</b>					
HD 1050 B	-	-	400-930	250 / 25	40-230/4-23
<b>Special high-pressure cleaners</b>					
HD 10/15-4 Cage Food	3	6.4	440-990	175 / 17,5	20-145/2-14.5
HD 7/10 CXF	3	4.5	250-700	120 / 12	10-100 / 1-10
<b>Stationary high-pressure cleaners for use with unheated water (70-85°C)</b>					
HD 9/18-4 ST	3	6.4	460-900	210 / 21	30-180/3-18

## Hot water high-pressure cleaner

	Power supply (phases)		Water flow rate (l/h)	Operating pressure (bar/MPa)	Max temperature (°C)	
	Connected load (kW)					
<b>HDS compact class</b>						
HDS 7/16 C	■	3	4.7	270-660	30-160/3-16	80
HDS 8/18-4 C	■	3	6.0	300-800	30-180/3-18	80 / 155
<b>HDS middle class</b>						
HDS 9/18-4 M		3	6.4	450-900	30-180/3-18	80 / 155
<b>Special high-pressure cleaners</b>						
HDS-E 8/16-4 M, 12 kW	■	3	16.5	300-760	30-160/3-16	30 / 85
HDS-E 8/16-4 M, 24 kW	■	3	28.5	300-760	30-160/3-16	45 / 85
HDS-E 8/16-4 M, 36 kW	■	3	40.5	300-760	30-160/3-16	58 / 85

## Dry vacuum cleaner

	Air flow rate (l/s)	Vacuum (mbar/kPa)	Max. rating (W)	Sound pressure level (dB (A))	
<b>Dry vacuum cleaners</b>					
T 10/1	61	244 / 24.4	1250	63	
T 10/1 Adv	61	244 / 24.4	1250	63	
T 12/1 Adv	61	244 / 24.4	1300	61	
T 12/1 ecoefficiency	43	229 / 22.9	750	56	
<b>Brush-type vacuum cleaners</b>					
CV 30/1	48	207 / 20.7	1150	67	
CV 38/2	48	250 / 25	1200	67	
CV 48/2	48	250 / 25	1200	67	
CV 60/2 RS Bp Pack	■	34	117 / 11.7	1224	68

## Wet and dry vacuum cleaners

	Air flow rate (l/s)	Vacuum (mbar/kPa)	Max. rating (W)	Sound pressure level (dB (A))
<b>Standard class</b>				
NT 27/1	67	200 / 20	1380	72
NT 48/1	67	200 / 20	1380	72
NT 70/2	2 x 56	208 / 20.8	2400	75
NT 70/2 Adv	2 x 56	208 / 20.8	2400	75
NT 70/3	3 x 56	208 / 20.8	3600	79
<b>Ap class</b>				
NT 35/1 Ap	61	230 / 23	1380	67
NT 65/2 Ap	2 x 74	254 / 25.4	2760	73
<b>Tact class</b>				
NT 35/1 Tact	61	230 / 23	1380	67

## Carpet cleaners, steam cleaner, air blower

	Deep/interim cleaning area performance (m²/h)	Working width, brush (mm)	Working width vacuum (mm)	Tank fresh/dirty water
<b>Carpet cleaners</b>				
Puzzi 8/1 C	12-18	-	-	8 / 7
Puzzi 100 Super	20-25	-	-	10 / 9
Puzzi 200	30-45	-	-	10 / 9
Puzzi 300 S	40-55	-	-	45 / 18
Puzzi 400	45-60	-	-	45 / 18
Puzzi 400 E	45-60	-	-	45 / 18
Puzzi 400 K	50-90	-	-	40 / 18

	Voltage (V)	Heating output (W)	Tank capacity (l)	Steam pressure (bar)
<b>Steam cleaners</b>				
DE 4002	230	2250	2.4	3.2

	Air quantity (volume flow) (m³/h)	Blower speed, on average (l/min)	Electrical power consumption (W)	Weight (kg)	
<b>Blower fan</b>					
AB 20 (without filter Afd)	■	1115	1355	113.5	11
AB 20 (with filter Afd)	■	554	1370	106.5	11 + 11.34



## Scrubbers and scrubber driers

	Working width Brush/vacuum (mm)	Theoretical area performance (m <sup>2</sup> /h)	Practical area performance (m <sup>2</sup> /h)	Tank fresh/ dirty water
<b>Polishers</b>				
BDP 50/1500 C	505 / 560	900	-	-
<b>Single-disc machine</b>				
BDS 43/180 C Adv	430	-	-	10
BDP 43/450 C Adv	430	-	-	-
BDS 51/180 C Adv	510 / -	-	-	10/-*
<b>Scrubber</b>				
BRS 40/1000 C	400 / -	450	-	10
<b>Compact scrubber driers</b>				
BR 30/4 C	300 / 300	200	130	4/4
BR 40/10 C Adv	400 / 400	400	300	10/10
BD 40/12 C Bp Pack	385 / 450	1100	770	12/12
BR 40/25 C Ep / Bp / Pack	400 / 770	1600	1100	25/25
BD 40/25 C Ep / Bp / Pack	400 / 770	1600	1100	25/25
<b>Walk-behind scrubber driers</b>				
B 40 C Ep / Bp	430-550 / 850	1700-2200	1275-1650	40/40
B 40 W Bp	430-550 / 850	1700-2200	1275-1650	40/40
B 60 W Ep	510-550 / 850	2040-2200	1530-1650	60/60
B 60 W Bp	550-650 / 850	2200-2600	1650-1950	60/60
B 80 W Bp	650-750 / 940	2600-3000	1950-2250	80/80
<b>Step-on scrubber driers</b>				
BD 50/40 RS Bp / Pack	508 / 691	2200	1650	40/40
BR 55/40 RS Bp / Pack	550 / 716	2350	1765	40/40
<b>Ride-on scrubber driers</b>				
BR 100/250 R Bp Pack	1000 / 1160	6000	4500	250/250

## Vacuum sweepers and municipal implement carriers

	Traction drive	Power	Working width (mm)	Waste container (l)	Electric starter
<b>Litter vacuums</b>					
IC 15/240 W / W Adv	2WD	5.5 PS	100	240	■
	Traction drive	Power	Sweeping width variable (mm)	Waste container (l/kg)	Air conditioning
<b>Vacuum sweepers</b>					
MC 50 Classic / Classic Comfort	4WD	20 PS	1100-1400	500	- / -
MC 50 Adv / Adv Comfort	4WD	26 PS	1100-1400	500	- / ■
	HP	Total permissible weight (kg)	Year-round use	Air conditioning	
<b>Implement carrier</b>					
MIC 34 C	■	34	1750	■	■
MIC 45 Classic / Advanced	■	45	2500	■	■
MIC 84	■	84	5000	■	■

## Sweepers

	Working width without/with 1/with 2 side brushes (mm)	Waste container (l)	Max. area performance (m <sup>2</sup> /h)	Indoor use	Outdoor use
<b>Walk-behind sweepers</b>					
KM 35/5 C	350 / - / -	5	1480	■	■
KM 70/15 C	480 / 700 / -	42	2800	■	■
KM 70/20 C	480 / 700 / -	42	2800	■	■
KM 70/20 C 2SB	480 / 700 / 920	42	3680	■	■
KM 70/30 C Bp / Bp Pack	480 / 700 / -	42	2800	■	■
KM 70/30 C Bp Adv / Pack Adv	480 / 700 / -	42	2800	■	■
<b>Vacuum sweepers</b>					
KM 75/40 W P	550 / 750 / -	40	3375	-	■
KM 75/40 W Bp	550 / 750 / -	40	3375	■	■
KM 75/40 W Bp Pack	550 / 750 / -	40	3375	■	■
KM 85/50 W P	610 / 850 / 1050	50	4725	-	■
KM 85/50 W Bp	610 / 850 / 1050	50	4725	■	■
KM 85/50 W Bp Pack Adv	610 / 850 / 1050	50	4725	■	■
KM 85/50 W Bp Pack	610 / 850 / 1050	50	4725	■	■
KM 85/50 W P Adv	610 / 850 / 1050	50	4725	-	■
KM 85/50 W Bp Adv	610 / 850 / 1050	50	4725	■	■
<b>Ride-on vacuum sweepers</b>					
KM 90/60 R P	615 / 900 / 1150	60	9200	-	■
KM 90/60 R Bp	615 / 900 / 1150	60	6900	■	■
KM 90/60 R Bp Pack	615 / 900 / 1150	60	6900	■	■
KM 100/100 R P	700 / 1000 / 1300	100	10400	-	■
KM 100/100 R Bp	700 / 1000 / 1300	100	7800	■	■
KM 100/100 R Bp Pack	700 / 1000 / 1300	100	7800	■	■
KM 100/100 R D	700 / 1000 / 1300	100	10400	-	■
KM 100/100 R Lpg	700 / 1000 / 1300	100	10400	■	■
KMR 1250 B	750 / 1000 / 1250	100	10000	-	■
KMR 1250 B 2SB	750 / 1000 / 1250	100	10000	-	■
KMR 1250 BAT	750 / 1000 / 1250	100	7500	■	■
KMR 1250 BAT Pack	750 / 1000 / 1250	100	7500	■	■
KMR 1250 D	750 / 1000 / 1250	100	10000	■	■
KMR 1250 D KAT	750 / 1000 / 1250	100	10000	-	■
KMR 1250 Lpg	750 / 1000 / 1250	100	10000	■	■
KMR 1250 Lpg 2SB	750 / 1000 / 1250	100	10000	■	■
KM 120/150 R P	850 / 1200 / -	150	9600	-	■
KM 120/150 R P 2SB	850 / 1200 / 1450	150	11600	-	■
KM 120/150 R Bp Pack	850 / 1200 / -	150	7200	■	■
KM 120/150 R Bp Pack 2SB	850 / 1200 / 1450	150	8700	■	■
KM 120/150 R D	850 / 1200 / -	150	9600	-	■
KM 120/150 R D 2SB	850 / 1200 / 1450	150	11600	-	■
KM 120/150 R Lpg	850 / 1200 / -	150	9600	■	■
KM 120/150 R Lpg 2SB	850 / 1200 / 1450	150	11600	■	■
KM 120/150 R Bp	850 / 1200 / 1450	150	7200	■	■
KM 120/150 R Bp 2SB	850 / 1200 / 1450	150	8700	■	■
KM 130/300 R D	1000 / 1300 / 1550	300	12000	-	■
KM 130/300 R Bp	1000 / 1300 / 1550	300	9100	■	■
KM 130/300 R Lpg	1000 / 1300 / 1550	300	12000	■	■
KM 150/500 D	1200 / 1500 / 1800	500	18000	-	■
KM 150/500 D 4W	1200 / 1500 / 1800	500	18000	-	■
KM 150/500 R Bp	1200 / 1500 / 1800	500	13000	■	■
KM 150/500 R Lpg	1200 / 1500 / 1800	500	18000	■	■

■ NEW \*Optional ■ Included in delivery.

# eco!efficiency: achieve more with efficiency.

If you want to move and change things, you have to lead the way, and show your colours. The blue symbols representing the various building blocks of Kärcher eco!efficiency show at a glance how and where Kärcher's power of innovation achieves measurably greater and better efficiency. Kärcher eco!efficiency is about more than efficient products: it is implemented in all business areas and is an integral part of corporate policies and actions.



## Reduced water consumption

Drinking water is precious and conserving it protects natural resources and saves energy for processing, transport and disposal. Many Kärcher high pressure cleaners and scrubber driers already meet the eco!efficiency standard or feature an eco!efficiency mode, which efficiently regulates the amount of water depending on the cleaning task.



## Less noise

Noise is not just unpleasant, it has shown to be damaging to health. Kärcher counters working noise both in its own production processes and for users by reducing noise levels and power to an optimum level. An example of this is the T 12/1 eco!efficiency dry vacuum cleaner, the working noise level of which has been reduced by 5 dB(A) compared to the standard model, which corresponds to a reduction in volume of more than 50%. Furthermore, the low frequency of the work noise is subjectively perceived as being very pleasant. As a result, the T 12/1 eco!efficiency is also outstandingly suitable for longer work intervals and noise-sensitive areas.



## Intelligent energy efficiency

Everything has its limits. Sometimes more power does not make sense. The T 12/1 eco!efficiency dry vacuum cleaner proves that less can be more. Its 750 W motor uses 40% less electricity, achieving 98% of the cleaning performance of the standard model thanks to flow-optimised suction channels, which is more than sufficient for maintenance cleaning.



## Exemplary repairability

As early as the development phase, Kärcher machines are designed for repairability: as few components and assemblies as possible, the best possible accessibility and as many standard parts as possible.



## Materials to suit the job

The selection of optimal materials is a never-ending challenge. New materials and production processes open up new opportunities in manufacturing and the use of machines, accessories and consumables. Lightweight design, durability, avoidance of contaminants, recyclability and costs – standards that Kärcher takes into account in the manufacture of efficient and eco-friendly products.



## Reduced CO<sub>2</sub> emissions

Reducing CO<sub>2</sub> greenhouse gas emissions is a global objective. To reduce its CO<sub>2</sub> footprint, Kärcher is making its contribution on all levels of production and in all business areas: through optimised use of materials, energy and water, high recyclability, as well as self-generated renewable energy.



## High recyclability

Raw materials that cannot be avoided from the beginning must be recyclable as far as possible after a long machine life. Kärcher machines are currently more than 90% recyclable.



## Optimised company processes

Kärcher eco!efficiency simply means continuously trimming all processes in the company to achieve maximum efficiency. This results in constant optimisation in all areas.





**Extended service life**

The robust construction style and high strength are the key prerequisites for a long usage phase. High quality, reparability and a long-term spare parts supply ensure that Kärcher Professional machines give years of reliable service.



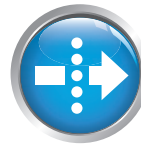
**Precisely dosed cleaning agent**

The most environmentally friendly and economical cleaning agent is that which is not used. Kärcher DOSE technology enables exact dosage of cleaning agents and, as a result, achieves a much lower level of consumption.



**Reduced use of materials**

If there is one art that is efficient, it is the art of reduction. Less material consumption through optimised designs is one aspect. Another is reducing the number of components. On average, Kärcher machines consist of significantly fewer components than comparable competitor models. The resulting lighter weight not only saves driving energy, it also saves a serious amount of raw materials and energy in manufacture.



**Effective dust filtering**

Dust is a nuisance to people and the environment and can be detrimental to health and the environment. Kärcher vacuums feature efficient filter systems with innovative components, e.g. Tact and Tact² systems for fully automatic filter cleaning as well as HEPA filters for hygienically clean, particle-free exhaust air. Fleece filter bags with a better degree of separation, double the retention capacity and a longer service life compared to paper filter bags. And last, but not least, certified safety vacuum cleaners for critical applications.



**Comprehensive spare parts supply**

Durable investment goods can only fully develop their economical and environmental advantages if all spare parts are available until the end of their service life. Depending on the particular product, Kärcher guarantees a spare parts supply for up to 10 years after a model goes out of production.



**Measurable time saving**

The simple equation of time equals money is still valid, however multiplied by the efficiency factor. More efficient machines that allow work to be carried out more quickly lead to significant labour cost savings and genuine competitive advantages.

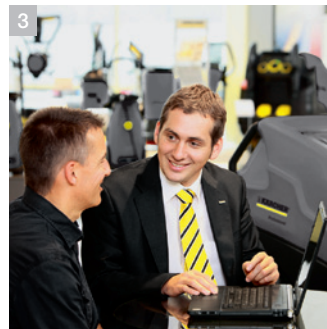
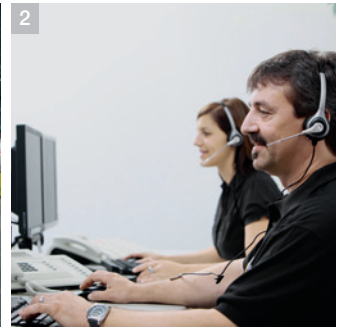


**Less waste water pollution**

It is as easy as it sounds: water that has not been used, does not need to be disposed of. At the same time, dirty water should be concentrated in order to make work easier for sewage treatment plants. The Kärcher system, consisting of the device, accessories and cleaning agents is fine-tuned to achieve maximum effect with minimum effort.

# Kärcher service – you can count on us.

You must be able to rely on your professional cleaning machines at all times. Day after day. Night after night. Everywhere. This is our aim. And we do our best to ensure this. Reliable cleaning machines and cleaning agents. Advanced technologies. Competent advice and training. And much more. Right to the point: Kärcher Service. A name you can trust. And a service that gives you security. That's our promise.



## We're there for you, wherever you need us.

Kärcher stands for top performance – not just in products, but also in service. As the world's largest manufacturer of cleaning machines, we are there for our customers worldwide and at more than 50,000 service and sales points. This is how we give you peace of mind. Kärcher – your reliable partner.

### 1 Planning

Kärcher also provides sound advice on specific projects and planning. We calculate exactly which resources you need and how you can configure your machines and equipment for optimal results.

### 2 Hotline\*

Friendly. Competent. Solution-oriented. Kärcher hotline staff are familiar with all products, accessories and cleaning agents and can provide sound advice and assistance by telephone.

### 3 Service contracts

Consistently high performance: with our service contracts you can be assured that your Kärcher products will operate reliably at all times, thanks to regular inspection and maintenance or an all-inclusive full service package.

### 4 Application advice

We provide application advice to ensure that you always have the most efficient solution. Area, staff and schedule are the decisive factors in determining the products that best suit your needs.





**5 Global presence**

Kärcher guarantees you personal service. Our global service and sales network ensures that you always have a competent contact partner locally, for all enquiries regarding service, advice or sales.

**6 Technical training**

Get the most out of your equipment: with our local technical training courses, we can show your employees how to use innovative Kärcher products to clean every type of facility optimally.

**7 We come to you**

Our service management system saves you time and money and ensures that we are with you as quickly as possible. With regular service calls as part of the full service package, and always whenever you need us.

**8 Extended warranty**

Guarantees a long service life. Our extended warranty or machinery breakdown insurance will give you peace of mind and ensure that your Kärcher products have optimal cover.

**9 Leasing**

Control your cash flow and remain productive with low leasing fees instead of major investments. Including a maintenance contract if required.

**10 Rental machines**

Stay as flexible as the market – with Kärcher rental machines you always have the equipment you really need, when you actually need it. Contact us to discuss your options.

**11 Refurbished machines**

Machines in top condition at very attractive terms. A new machine is not always cost-effective. Refurbished Kärcher machines are a cost-effective alternative for your project planning.

# Enthusiasm. Innovation. Success.

Since its beginnings more than 75 years ago, as a value-oriented family business, Kärcher has become a world brand with three strong attributes: Top performance, innovation and quality. Today, the Kärcher brand enjoys the reputation of being a global leader and resource-conserving supplier of professional cleaning systems and is synonymous with reliable products, optimal user value and ongoing commitment to the environment, culture and sport.



**1 Seattle's highest building: The Space Needle**  
A Kärcher team pressure-washed the structure up to a height of 184 m. The job took eight weeks, working only at night.



**2 A facelift for the heads of state**  
Clean again: In 2005 Kärcher cleaned the National Memorial on Mount Rushmore.

**3 Innovative right from the start**  
In 1950, Kärcher developed the first hot water high-pressure cleaner in Europe for professional cleaning.





**4 Clean environment**

Kärcher works on environmental protection every day, with new products, technologies and investments in production facilities.

**5 In-house research and development**

Kärcher develops high-performance cleaning devices, accessories and special cleaning and care products.

**6 Internationally represented**

We are there for our customers all around the world.

**7 Commitment to sports**

Clean performance on the pitch. For several years, Kärcher has supported German and international football as a partner.

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