

# KÄRCHER

makes a difference



## FOR BUSINESSES THAT SHINE

Cleaning systems for retail





## A system for success

The application of comprehensive hygiene and cleaning concepts is one of the keys to success in retail. Visible cleanliness and tidiness are valued highly by customers and, whether they know it or not, play an important role when making that final purchasing decision. Kärcher offers appropriate, efficient and cost-effective cleaning solutions for all work areas and floor coverings: the Kärcher system – a range of perfectly-tailored machines, accessories and cleaning agents. Our system is professionally enhanced by a range of modern services – from leasing/financing, maintenance and repair to a comprehensive cleaning management service – thus ensuring appropriate levels of cleanliness and compliance with hygiene standards. Kärcher, the world's market leader for cleaning systems.



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## Kärcher – practice-based solutions for our customers.

The name Kärcher is synonymous with high performance, quality and innovation worldwide. It also stands for cleaning expertise that sets standards. The Kärcher system offers impressive solutions for every requirement: perfectly-tailored machines, accessories and cleaning agents. Innovative technology, low consumption and durability means our products are high-performing, efficient and cost-effective. They are also inconspicuous, visually stylish in a classic anthracite design, and acoustically discreet with exceptionally low noise levels.





### 1 Always the best cleaning agents

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 ecoefficiency – achieve more through greater efficiency

Efficiency comes in a range of forms: reduced energy consumption, high-performance internal-combustion engines, lower cleaning agent consumption, using highly-concentrated cleaning agents to avoid packaging, as well as structural recyclability and/or the minimisation of components. These are 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 ecoefficiency mode as well as cleaning agents for effective, efficient and eco-friendly cleaning.

### 3 Tank rinsing system

The B 40 C/W, B 60 W and B 80 W are the first and only scrubber driers with an integrated tank rinsing system. After cleaning, the dirty water tank can be cleaned via an integrated rinsing system. These machines also support the HACCP concept.

### 4 Safety as a key function

The KIK system of the B 40 C/W, B 60 W and 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 their successful combination of form and function, such as the "red dot design award" and the "iF Product Design Award". And they are SGS approved for use in hygiene-sensitive areas.

## Cleanliness and safety: always crucial

The customer always comes first, and they expect hygiene standards to be high and noise levels to be low in all areas. Cleaning systems for customer areas must therefore have certain characteristics. They have to be discreet and quiet, easy to transport, ergonomically designed and usable even in small spaces. The combined qualities of Kärcher's cleaning devices ensure that every job is easy to complete.



Small sweepers for delivering a fast effective clean of small areas, as well as for spot cleaning.



Compact scrubber driers: great for cleaning between aisles and around corners.



Eco spray mop: the fast solution for ensuring clean floors and slip resistance.



Universal vacuums: remove dry, damp or liquid stains. Ready to tackle any dirt - Kärcher vacuum cleaners.



### 1 Efficient and well thought-out in every detail

The B 150 R ride-on scrubber drier's large capacity makes it ideal for large markets, shopping centres and warehouses. The B 150 R can be precisely tailored to individual needs. Choose from various battery systems, brush head types, squeegees and other equipment that makes the machine even more efficient. The KIK key system and the colour coded control elements make operation particularly easy.

### 2 Cleanliness guaranteed

The agile and quiet B 40 C/W delivers optimal cleaning results, even when floors have to be cleaned during the day.



### 3 A small sweeping sensation

The innovative KM 35/5 C cordless sweeper delivers a comfortable and effective clean. Perfect for use in smaller areas, such as entrance halls, or in shopping trolley bays.

### 4 Incredibly quiet

The T 15/1 dry vacuum cleaner is the quietest device in its class and perfect for vacuuming during opening hours.

### 5 Efficient cleaning with a clear view

The step-on BD 50/40 RS scrubber (disc brush) / BR 55/40 RS (roller brush) impress with their simple operation and brilliant operator visibility. The model is easy to mount and dismount, saving time and energy when obstacles need to be moved out of the way.

# Hygiene: when nothing but the best will do

Handling food requires compliance with strict hygiene regulations both in processing areas and in areas which are open to customers. New and stricter regulations, such as HACCP, the EU standards ISO and IFS International Featured Standard, the British BRC Global Standard for Food Safety or the USA's FDA Regulations, place increased demands on machines and all-in-one solutions. The Kärcher system, which features machines, accessories and cleaning agents developed and produced in-house, ensures all maintenance cleaning applications can be carried out to the highest technological standards.



Scrubber driers provide an impressive clean with powerful mechanical action. Particularly user friendly.



Special HD cleaners approved for use in food production areas: efficient, mobile, versatile. Variable pressure and water flow rate for quick cleans.



The Kärcher HD foam system offers a range of practical and ergonomic spray and foam lances for tough cleaning jobs.



Surface cleaners are effective accessories for the quick removal of stubborn floor stains. Self-powered vacuum extraction of dirty water whilst cleaning.



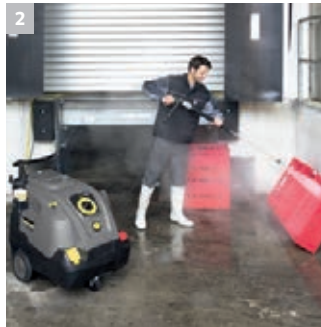


**1 Customised service**

Compact, stationary high-pressure systems are perfectly adapted to the specific task. The range of possible equipment features covers every type of cleaning application required in hygiene-critical food production areas.

**2 Super clean, super fast**

The HDS compact class combines tried-and-tested, robust and durable technology with unrivalled operating costs and simple operation. Tough on dirt, but easy on the environment: in ecoefficiency mode, 20% of fuel is saved at 60°C operation. What is more, the high mobility design enables quick and easy manoeuvring.



**3 Cold-water high-pressure cleaners**

With its adjustable pressure setting (from 20 bar), the powerful HD 10/15-4 Cage Food is perfect for use in food preparation areas. The solution for pre-cleaning, disinfection and neutralisation tasks.

**4 One simple clean**

The BR 40/10 C Adv compact scrubber drier is a versatile machine which can be used anywhere where a floor scrubbing application with dirty water extraction is required.

**5 Quick and effective**

The BR 35/12 can deliver a thorough yet gentle clean of small departments and hard-to-reach areas. Also perfect for the occasional cleaning job during opening hours.



**Cleaning agents**

Efficient, application-based and eco-friendly products for every cleaning area.



**Roller/disc brushes**

Specially-designed bristles for every floor covering allow quick and thorough removal of stains.

## State of the art

Modern life has its own unique rhythm. Today shops are open around the clock. Consumers can shop as and when they choose, and they prefer to do it in a friendly setting. That is why shop designers have developed a dynamic layout which is based around the rhythm of the consumer. The modern materials put to use to achieve this pave the way for fabulous design possibilities – however, they present completely new challenges when it comes to cleaning. Kärcher aims to take on this challenge with innovative and efficient cleaning products. The Kärcher system: perfectly-tailored machines, accessories and cleaning agents.



Scrubber driers: reliable, configurable cleaning machines with exemplary handling.



Refreshment for customers to help make that final purchase: Kärcher WPD 100 water dispenser.



These sweepers are flexible; they can be used for both indoor and outdoor cleaning. For perfectly-cleaned, safe walkways.



High productivity vacuum cleaner: manoeuvrable universal machines for a thorough clean on large surfaces. For hard floors and textile floor coverings.



### 1 Refreshingly good

Water is life. It helps ensure vitality and good health. Studies have shown that when customers are able to stop and enjoy a refreshing glass of water from the Kärcher water dispenser in a pleasant and relaxed setting, they are given a whole new perspective on their shop. A valuable addition to any service.

### 2 Endlessly good: Escalator cleaners

Without special equipment, escalators can be extremely difficult to clean. The Kärcher escalator cleaner is a cost-effective and efficient solution. Regular use of the escalator cleaner with Kärcher's specially-designed cleaning agents is guaranteed to leave you with escalators that are clean and safe.



### 3 Shopping centres

Ride-on scrubber driers are perfect for cleaning and maintaining public areas in shopping centres. The user-friendly EASY operating concept makes sure you achieve the desired level of cleaning every time.



The KIK system offers maximum protection against operating errors. Basic pre-settings can be configured based on the cleaning tasks.

## Guaranteed hygiene in storerooms and beyond

In the food sector, storage areas are an important part of any comprehensive hygiene concept. Sensitive goods are brought in, packaged, stored and removed from storage, repackaged or unpacked and transported to food departments. Even in these areas, the Kärcher system ensures compliance with strict hygiene specifications and legal regulations. Perfectly-tailored cleaning devices, accessories and cleaning agents deliver a fast, simple and cost-effective clean.



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 sweepers are the solution for large-area sweeping tasks on both parking bays and pathways.



Ride-on scrubber driers for demanding cleaning jobs and long periods of use. The first choice for underground car parks, multi-storey car parks and loading zones.



### 1 Full load

Arrivals and departures, loading and unloading – loading areas are constantly in use, which leads to a steady accumulation of dirt. The Kärcher high-pressure cleaner will get rid of it in an instant. A high-pressure water jet makes light work of even stubborn residues, getting into the tightest of corners and delivering a fast clean.

### 2 100% clean

The compact KM 75/40 W sweeper delivers a thorough and effective clean of heavily obstructed and hard to access storage areas. The dust suction feature also keeps air dust levels to a minimum. And the EASY operational concept ensures that even inexperienced users will have no trouble operating the device.

### 3 Constant removal of dry and wet dirt

The NT 65/2 Ap wet/dry vacuum cleaner has what it takes to deliver long periods of uninterrupted use with constant suction power: two powerful turbines, a patented filter system, semi-automatic filter cleaning and a large container capacity.

### 4 Perfect pallet performance

Clean pathways are a must for the safe transport of pallets. The appearance of dirt can disrupt the entire logistic flow. Kärcher's sweepers are perfect for ensuring consistently clean transport routes. Not only are they fast and efficient, they are also easy to use.

### 5 The right way

Compliance with strict hygiene standards requires selection of the right cleaning machines and a professional cleaning plan, in order to ensure that bacteria, viruses and fungi do not stand a chance. With this in mind, Kärcher has come up with a range of cleaning devices and specially-designed disinfectants and cleaning agents. The Kärcher system: the complete solution.

### 6 Constant performance without cutting corners

Kärcher's fully hydraulic ride-on sweepers are well-equipped and get into every corner. They feature various drive types which can be adjusted for the specific use: diesel, Lpg or battery.

# The perfect outdoor cleaner

The first impression is crucial. This is particularly true for the exterior areas of companies which serve to both advertise and represent your business to the outside world. In addition, there is also the need to keep dirt levels near entrances to a minimum to prevent dirt being carried in, as well as to keep loading areas and pathways clean. This ranges from leaves and road dirt to coarse debris, such as a broken pallet.



## 1 Large areas done in no time

In order to clean large outdoor areas cost-effectively, and in a short space of time, you will require high-performance and extremely agile sweepers with low energy consumption, high container storage and a range of accessories.

## 2 Clear. Eject. Scatter

The professional answer when winter calls: 100 cm-wide snow clearer with hydraulic pivot ejection chimney and hydraulically adjustable projection distance. Great for use with a rear grit or salt spreader.

## 3 Strong, ergonomic and efficient

Kärcher's snow clearers quickly and efficiently remove snow from pavements and public areas. With either 5 or 6 forward driving speeds, 2 different reverse speeds and a two-stage auger, these machines can be adjusted to suit all space requirements.

## 4 Proven performance both inside and out

The KM 70/20 C manual sweeper delivers an almost dust-free sweep and is 7 times faster than a conventional broom - both indoors and out.

## 5 Tough on dirt - easy to handle

Do your cleaning needs extend to multi-story car parks? This is where extremely robust scrubber driers, such as the B 150 R, show their true prowess.



Manoeuvrable sweeper with traction drive and rollable waste container. Roller brush replacement without tools, coarse debris flap.



Ride-on sweeper with continuous filter cleaning and container lift. For long cleaning jobs without dust.



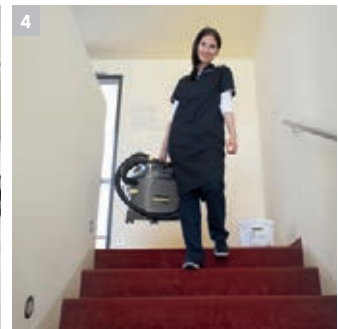
Powerful, manoeuvrable city sweeper with eco!efficiency suction system, water circulation system and articulated steering.



Walk-behind snow clearer with powerful 4-stroke engine and reliable cold starting.

# An effective and efficient office clean.

Cleanliness and hygiene are all that matters when it comes to food processing industries. Administration rooms located close to production, such as offices, computer rooms for line control or sanitary facilities, are particularly sensitive areas. Here the task is to minimise the transfer of dirt and dust from the production area into these rooms and vice versa.



## 1 Top performance on large areas

The innovative BRC device series combines the advantages of spray extraction with the mechanical cleaning power of a brush, making it perfect for cleaning large areas in a short space of time.

## 2 Professional-standard dry vacuums

The innovative T 10/1 Adv was developed together with contract cleaners and impresses with its high suction power combined with a 5-stage filter system which includes a 3-ply fleece filter bag, a permanent main filter and a motor filter. A HEPA filter cartridge can be retrofitted.

## 3 Remove dirt deposited deep in the pile

Carpeted corridors and offices require regular deep cleaning, ideally with a Kärcher brush vacuum cleaner for carpets.

## 4 Mobile cleaners

Kärcher spray extraction cleaners are suitable for use on all types of textile surfaces: floor coverings, upholstery, office chairs and passenger seats. The handy and mobile Puzzi series of spray extraction cleaners, which are as powerful as they are robust, feature a range of extensive accessories and can be used for many applications.



The latest generation of high-performance dry vacuum cleaners with a highly-efficient filter system and superior ergonomics.



A spray extraction device for the highest of demands. Includes integrated water supply and wastewater disposal pump.



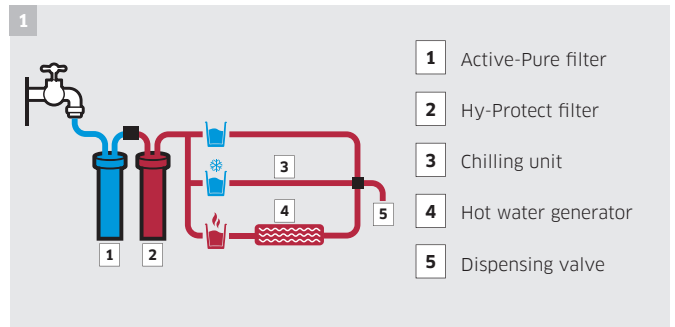
Wet and dry vacuum cleaner with Tact, an antistatic system and power tool autostart.



Slim, walk-behind scrubber drier with high scrubbing performance and straight or curved vacuum bar.

# WPD 100 water dispenser – only the best for your customers

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 und Hy-Protect filter.



## 1 Patented hygiene system

Integrated thermal disinfection is a patented Kärcher system: all water-carrying lines, heating and cooling modules, the Hy-Protect filter as well as the water dispensing valve are disinfected at intervals using hot water. Compared to conventional systems, this method reduces service costs and protects the environment. Four different cleaning options are available. The Active-Pure filter, a sintered activated carbon block, ensures a pure taste by removing chlorine, heavy metals and other residues from the line. The Hy-Protect filter delivers perfectly clean water by means of ultra-filtration. Its extremely fine-pored membrane effectively removes bacteria and viruses whilst ensuring the water loses none of its natural minerals. The Hy-Pure filter is a combination of the Active-Pure and the Hy-Protect filters. The UV Protect lamp uses ultra violet light to destroy bacteria and viruses.

## 2 Certified quality "Made in Germany"

The renowned SGS Institut Fresenius tested all of the components in the Kärcher WPD that come into contact with water for their suitability for use with food products, confirming that the WPD consistently delivers water of the highest quality.



**WPD 100 stand-alone version**  
 A refreshing eye-catcher and a potential advertising medium.

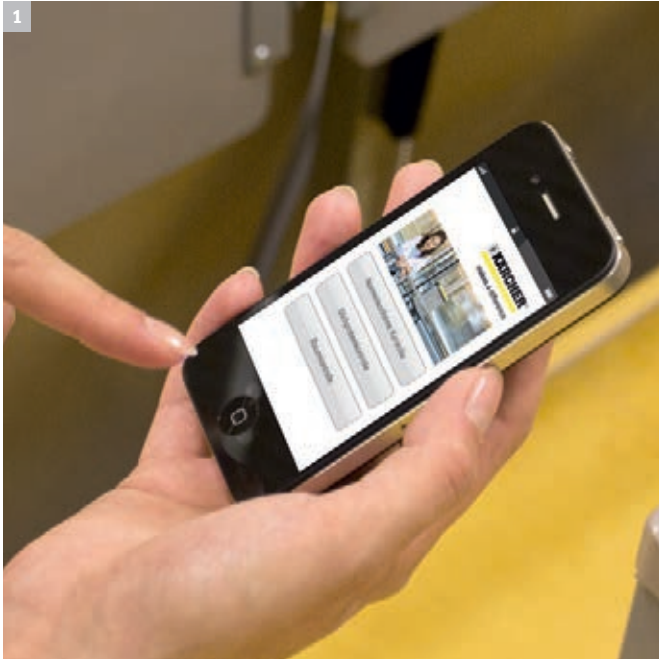


**WPD table-top version**  
 Ideal for break rooms or for integration into existing installations.



# Keep up to date: the ECO!Manager

Modern organisation is the key to success when it comes to complex tasks and activities in the retail sector. The Kärcher ECO!Manager is an innovative documentation and checking system for the planning, recording and monitoring of a range of tasks: from cleaning jobs, quality checks and cold-chain documentation to security, machine management and technical services. ECO!Manager gives managers a full overview of planned, current and completed activities – any time, anywhere. This also includes current status updates on costs, times and execution efficiency.



## 1 Standardised quality control

Going through check lists during inspections and transferring the results into a database in real time has never been easier. The ECO!Manager is compatible with all standard interfaces. The results are stored centrally and are instantly available for further evaluation. Access overviews for individual areas of your supermarket or shop, e.g. goods receiving area, storage, refrigerator counter etc., at the touch of a button and view their development over a defined period of time. This allows you to keep track of trends and make any adjustments where needed. Employees can also be notified directly of any deviations from quality standards. A clear overview of all recorded data is always available for quick access during external inspections, e.g. reports, measured values, checklists, analyses, time sheets and payroll accounting, performance overview, inventories, statistics and inspection dates.

## 2 Easy documentation by scanning

What type of cleaning is being done today? A daily maintenance clean or a periodic deep cleaning of the self-service refrigerator? Or has a special clean been requested, e.g. due to a display falling over on the shop floor? ECO!Manager allows all relevant data to be recorded, stored and processed reliably and in accordance with requirements. It continuously documents where and when which personnel are working and how long for, thus creating transparency: the foundation for efficient planning and management decisions.

## 3 Immediately record and react

Record damages instantly and immediately notify building services. Problems, e.g. defective metering units, empty paper or soap dispensers in the counter area, non-functioning cooling and lighting systems or damage to floor coverings, can all be instantly reported and quickly rectified.

# Solutions for your brand and your customers

Cleaning tasks  Use	High-pressure cleaners	Dry vacuum cleaners, wet/dry vacuum cleaners	Scrubbers/scrubber driers
<b>Entrances, exits, walkways, escalators</b> 	HD 5/12 C HD 6/15 C + FRV 30 HD 9/19 MX Plus HDS 5/12 C	EB 30/1 NT 27/1 NT 35/1 Tact NT 70/1 CV 30/1 CV 38/2 CV 66/2	BR 30/4 C, BR 35/12, BD 38/12, BR 40/10 C, BD 40/25, BR 40/25 C, BD 50/40 RS, B 40 C/W, B 60, B 80 <b>Escalator cleaners:</b> BR 45/10 Esc, BR 47/35 Esc <b>Cleaning agents:</b> RM 754, RM 752, RM 746, RM 743, RM 753, RM 755 ES, RM 758 (for escalators)
<b>Fresh food departments, counter areas</b> 	HD 7/10 CXF HD 7/16-4 ST HD 10/15-4 Cage Food <b>Cleaning agents:</b> RM 33, RM 731, RM 732, RM 735, RM 58, RM 31, RM 57 ASF, RM 59 ASF, RM 734	EB 30/1 T 10/1 NT 27/1 NT 27/1 Me Adv NT 35/1 Tact NT 70/1 <b>Cleaning agents:</b> RM 761	BR 30/4 C, B 40 C/W, BR 40/10 C, BD 40/12 C, BR/BD 40/25 C, B 120 W <b>Dosing station:</b> DS 2, DS 3 <b>Cleaning agents:</b> RM 751, RM 735, RM 732, RM 753, RM 755 ES, RM 752, RM 754 ASF, RM 782, RM 784, RM 780
<b>Check outs</b> 		T 10/1 Adv NT 27/1 CV 30/1 CV 38/2 <b>Cleaning agents:</b> RM 761	BR 35/12, BD 38/12, BR 40/10 C, BD 40/12 C, BD 40/25, BD 50/40 RS, BR 55/40 RS, B 40 C/W, B 60, B 80 <b>Cleaning agents:</b> RM 752, RM 754, RM 780, RM 746, RM 743, RM 753, RM 755 ES
<b>Non-food departments, services, clothing</b> 		T 12/1 T 12/1 ecoefficiency T 15/1 Hepa CV 30/1 CV 38/2 CV 66/2 <b>Cleaning agents:</b> RM 761	BR 30/4 C, BR 35/12, BD 38/12, BD 40/12 C, BD 40/25, BD 50/40 RS, BR 55/40 RS, B 40 C/W, B 60, B 80 <b>Dosing station:</b> DS 2, DS 3 <b>Cleaning agents:</b> RM 754, RM 752, RM 746, RM 753, RM 755 ES
<b>Warehouses, delivery, disposal</b> 	HDS 5/12 C HDS 8/18-4 M HDS 12/18-4 S <b>Cleaning agents:</b> RM 81	NT 70/1 NT 70/2 Me NT 70/2 Adv (with carriageway nozzle)	B 80 W, B 90 R, B 150 R, B 95 RS <b>Dosing station:</b> DS 2, DS 3 <b>Cleaning agents:</b> RM 753, RM 69 ASF, RM 69 ASF ecoefficiency
<b>Outdoor areas, green spaces, solar systems</b> 		NT 70/1 NT 70/2 Me NT 70/2 Adv (with carriageway nozzle)	
<b>Car parks, underground car parks</b> 	HDS 8/18-4 M HDS 12/18-4 S	NT 70/1 NT 70/2 Me NT 70/2 Adv (with carriageway nozzle)	B 150 R B 250 R <b>Dosing station:</b> DS 2, DS 3 <b>Cleaning agents:</b> RM 752
<b>Administration, offices</b> 		EB 30/1 T 10/1 T 12/1 T 12/1 ecoefficiency T 15/1 CV 30/1 CV 38/1	BR 30/4 C BR 35/12 BD 38/12 B 40 C/W BR 55/40 RS BD 50/40 RS
<b>Customer toilets, WCs</b> 	HD 6/15 C + FRV 30 <b>Cleaning agents:</b> RM 25		BR 30/4 C, BD 40/12 C <b>Cleaning agents:</b> RM 751

<p>Single-disc machines</p> 	<p>Steam cleaners, carpet cleaners</p> 	<p>Manual cleaning</p> 	<p>Sweepers</p> 
<p>BDS 43/180 C Adv BDS 43 Duo C Adv BDS 51/180 C Adv BDP 50/1500 C BDP 50/2000 RS Bp Pack</p> <p><b>Cleaning agents:</b> RM 749, RM 775, RM 748</p>	<p>Puzzi 8/1 C, Puzzi 10/1, Puzzi 30/4, BRS 43/500 C, BRC 45/45 C, RM sprayer</p> <p><b>Cleaning agents:</b> Carpet Pro RM 760, RM 764, RM 767, RM 762, RM 761, RM 770, RM 768/OA</p>	<p><b>Cleaning agents:</b> CA 30 C, CA 30 R, CA 40 R, RM 781, RM 780, RM 740, CA 50 C, RM 769</p> <p><b>For escalators:</b> CA 30 C, CA 30 R, CA 40 R</p> <p><b>CarpetPro range:</b> RM 760, RM 764, RM 767, RM 768, RM 763, RM 762, RM 769, RM 761</p>	<p>KM 35/5 C KM 70/15 C KM 70/20 C KM 70/30 C KM 75/40 W KM 85/50 W KM 90/60 R</p>
<p>BDS 43/180 C</p> <p><b>Cleaning agents:</b> RM 731 RM 751 RM 753 RM 752</p>	<p>SGV 6/5 SGV 8/5</p>	<p>EK 1 RM sprayer</p> <p><b>Dosing station:</b> DS 2, DS 3</p> <p><b>Cleaning agents:</b> CA 30 C, CA 30 R, CA 40 R, CA 50 C, RM 735, RM 732, RM 734, RM 731 ASF, RM 33 ASF, RM 59, RM 58</p>	<p>KM 35/5 C KM 70/15 W KM 70/20 W KM 85/50 W</p>
<p>BDP 50/1500 C BDP 50/2000 RS Bp Pack</p> <p><b>Cleaning agents:</b> RM 748</p>		<p><b>Cleaning agents:</b> CA 30 C CA 30 R CA 40 R CA 50 C RM 781 RM 740 RM 769</p>	
<p>BDS 43/180 C BDP 50/1500 RS BDP 50/2000 RS</p> <p><b>Cleaning agents:</b> RM 749 RM 775</p>	<p>Puzzi 8/1 C, Puzzi 10/1, Puzzi 30/4, BRS 43/500 C, BRC 45/45 C, RM sprayer</p> <p><b>Cleaning agents:</b> Carpet Pro RM 760, RM 764, RM 767, RM 762, RM 761, RM 770, RM 768/OA, RM 763, RM 764 classic, RM 767, RM 768 iCapsol, RM 762, RM 769</p>	<p><b>Cleaning agents:</b> CA 30 C CA 30 R CA 40 R RM 781 RM 740 CA 50 C RM 769</p>	<p>KM 35/5 C KM 70/15 W KM 70/20 W KM 85/50 W</p>
<p>BDS 43/180 C Adv BDS 51/180 C Adv</p> <p><b>Cleaning agents:</b> RM 752 RM 69</p>		<p><b>Cleaning agents:</b> RM 776 RM 740</p>	<p>KM 35/5 C KM 70/15 C, KM 70/20 C, KM 70/30 C KM 75/40 W KM 90/60 R KM 105/100 R, KM 120/150 KM 130/300, KM 150/500 KM 170/600</p>
		<p><b>Solar panel cleaning:</b> RM 99 RM 55 ASF RM 43 Gel</p>	<p>KM 70/15 C, KM 70/20 C, KM 70/30 C, KM 75/40 W, KM 90/60 R, KM 100/100 R, KM 120/150 R, KM 130/300 R</p> <p><b>For large facilities, depending upon the size:</b> MC 50 Advanced, MC 130, MIC 34 to MIC 84, IC 15/240 W</p>
<p>BDS 43/180 C Adv BDS 51/180 C Adv</p> <p><b>Cleaning agents:</b> RM 752 RM 69</p>		<p>RM sprayer</p> <p><b>Cleaning agents:</b> RM 776</p>	<p>KM 35/5 C KM 70/15 C, KM 70/20 C KM 70/30 C, KM 75/40 W KM 85/50 W KM 90/60 R KM 100/100 R KM 120/150 R KM 130/300 R</p>
<p>BDS 43/180 C BDS 43/Duo C Adv</p> <p><b>Cleaning agents:</b> RM 768</p>	<p>Puzzi 8/1 C Puzzi 10/1 Puzzi 30/4</p> <p><b>Cleaning agents:</b> Carpet Pro RM 760, RM 764, RM 768/OA, RM 767, RM 762, RM 761, RM 770</p>	<p><b>Cleaning agents:</b> CA 10 C, CA 10 C Extra, CA 20 C, CA 20 R, CA 30 C, CA 30 R, CA 40 R, CA 50 C, RM 769</p>	<p>KM 35/5 C KM 75/40 W KM 90/60 R each with anti-static roller brush for carpets</p>
<p>BDS 43/180 C</p> <p><b>Cleaning agents:</b> RM 751</p>	<p>SG 4/4 SGV 8/5 SGV 6/5</p>	<p><b>Cleaning agents:</b> CA 10 C, CA 10 C Extra, CA 20 C, CA 20 R</p>	

# Technical data at a glance

## HOT-WATER HIGH-PRESSURE CLEANERS

	Current type (phases)	Connection output (kW)	Flow rate (l/h)	Working pressure (bar /MPa)	Max. temperature (°C)
<b>HDS super class</b>					
HDS 12/18-4 S	3	8.4	600-1200	30-180/3-18	80/155
<b>HDS middle class</b>					
HDS 8/18-4 M	3	5.5	400-800	30-180/3-18	80/155
<b>HDS compact class</b>					
HDS 5/12 C	1	2.9	500	120/12	80

## COLD-WATER HIGH-PRESSURE CLEANERS

	Current type (phases)	Connection output (kW)	Flow rate (l/h)	Max. pressure (bar /MPa)	Working pressure (bar /MPa)
<b>HD middle class</b>					
HD 9/19 MX Plus	3	6.8	450-890	220/22	40-185/4-18.5
HD 6/16-4 M	1	3.4	230-600	190/19	30-160/3-16
<b>HD compact class</b>					
HD 6/15 C	1	3.1	230-560	190/19	30-150/3-15
HD 5/12 C	1	2.5	500	175/17.5	120/12
<b>HD special class</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 cold water high-pressure cleaners, single-lance operation</b>					
HD 7/16-4 ST	3	4.4	300-700	190/19	30-160/3-16

## STEAM CLEANERS / STEAM VACUUM CLEANERS

	Voltage (V)	Heating output (W)	Tank capacity (l)	Steam pressure (bar)
<b>Steam cleaner/steam vacuum cleaner</b>				
SGV 8/5   SGV 6/5	220-240	3000	5	8/6
SG 4/4	220-240	2300	4	4

## DRINKING WATER

	Water amount ambient (l/h)	Water amount chilled (l/h)	Water amount hot (l/h)	Water amount sparkling (l/h)
<b>Water dispensers</b>				
WPD 600 Adv   Basic	120	80	10   -	80
WPD 200 Adv   Basic	120	40	10   -	40
WPD 100 Adv   Basic	120	20	10   -	20

## WET AND DRY VACUUM CLEANERS

	Air flow rate (l/s)	Vacuum (mbar /kPa)	Max. power rating (W)	Operating noise level (dB(A))
<b>Tact class</b>				
NT 35/1 Tact	74	254/25.4	1380	69
<b>Standard class</b>				
NT 70/2 Adv   Me	2 × 56	208/20.8	2400	75
NT 70/1	56	208/20.8	1200	73
NT 27/1   Me Adv	67	200/20	1380	72

## DRY VACUUM CLEANERS

	Air flow rate (l/s)	Vacuum (mbar /kPa)	Nominal power input (W)	Operating noise level (dB(A))
<b>Dry vacuum cleaners</b>				
T 15/1   HEPA	61	244/24.4	1150	60
T 12/1	61	244/24.4	1150	65
T 12/1 ecoefficiency	43	230/23	750	65
T 10/1   Adv	61	244/24.4	1100	62
<b>EB machines</b>				
EB 30/1 Li-Ion   Adv Li-Ion	-	-	-	56
<b>Brush vacuum cleaners for carpets</b>				
CV 66/2	2 × 52	143/14.3	1650	73
CV 38/2   Adv	48	250/25	1050	67
CV 38/1	48	207/20.7	1000	67
CV 30/1	48	207/20.7	1000	67

## CARPET CLEANING MACHINES

	Max. area performance (m <sup>2</sup> /h)	Air flow rate (l/s)	Turbine / pump power (W)	Tank fresh / dirty water (l)
<b>Spray extraction machines</b>				
Puzzi 30/4   E	60-75	74	1200/70	30/15
Puzzi 10/1	20-25	54	1250/40	10/9
Puzzi 8/1 C	12-18	61	1200/40	8/7
	Area performance basic / intermediate cleaning (capsol (m <sup>2</sup> /h))	Turbine / brush motor power (W)	Working width brush / vacuum (mm)	Tank fresh / dirty water (l)
<b>Deep carpet cleaning machines</b>				
BRC 45/45 C	350/1000	1100/600	410/450	45/38
BRS 43/500 C	-/300	-/370	430/-	7.5/-

## SCRUBBERS / SCRUBBER DRIERS

	Working width brushes / suction (mm)	Theoretical area performance (m <sup>2</sup> /h)	Practical area performance (m <sup>2</sup> /h)	Tank fresh/dirty water (l)
<b>Ride-on scrubber driers</b>				
B 250 R	1000/1200/1160/1400	8000-9600	6000-7200	250/250
B 150 R	750-900/940-1060	4500-5400	3200-3800	150/150
B 90 R	550-750/850/940	3300-4500	2475-3375	90/90
<b>Step-on scrubber driers</b>				
B 95 RS	650/750/940	2600-3000	1950-2250	95/95
BR 55/40 RS	550/716	2350	1765	40/40
BD 50/40 RS	508/691	2200	1650	40/40
<b>Walk-behind scrubber driers</b>				
B 120 W	750/900/940/1160	3000-3600	3375-4050	120/120
B 80 W	650-750/850-940	2200-3000	1950-2250	80/80
B 60 C	510/550/850	2040-2200	1530-1650	60/60
B 60 W Ep	510-550/850	2040-2200	1530-1650	60/60
B 60 W Bp	550-650/850-940	2200-2600	1650-1950	60/60
B 40 C   W	430-550/850	1700-2200	1275-1650	40/40
<b>Compact scrubber driers</b>				
BR/BD 40/25 C	400/770	1600	1100	25/25
BD 38/12 C	380/480	1500	1050	12/12
BR 35/12 C	350/450	1400	1050	12/12
BD 40/12 C	385/450	1100	825	12/12
BR 40/10 C	400/400	400	300	10/10
BR 30/4 C	300/300	200	130	4/4
<b>Single disc machines</b>				
BDS 51/180 C Adv	508/-	-	-	10
BDS 43/180 C Adv	430/-	-	-	10
BDS 43/Duo C Adv	430/-	-	-	10
<b>Escalator cleaners</b>				
BR 47/35 Esc	470 / 470	-	-	35 / 35
BR 45/10 Esc	450 / 450	-	-	-
<b>Polishing machines</b>				
BDP 50/2000 RS Bp Pack	508/530	1780	-	-
BDP 50/1500 C	508/560	900	-	-

## VACUUM SWEEPERS AND MUNICIPAL IMPLEMENT CARRIERS

	Working width (mm)	Sweeping container (l)	Max. area performance (m <sup>2</sup> /h)	Year-round use	Air conditioning
<b>Vacuum sweepers</b>					
MC 130 Adv	1200 - 2250	1000	24000	■	■
MC 50 Adv Comfort	900-1400	500	14000	■	■
MC 50 Adv	900-1400	500	14000	■	-
<b>Light waste vacuum cleaners</b>					
IC 15/240 W	100	240	-	-	-
	Total permissible weight (kg)	Weight (kg)	HP	Year-round use	Air conditioning
<b>Municipal implement carriers</b>					
MIC 84	5000	2450	84	■	□
MIC 50 Adv	2800/3200	1660	50	■	□
MIC 50	2800/3200	1650	50	■	□
MIC 34 C	1750	850	34	■	■

## SWEEPERS / VACUUM SWEEPERS

	Working width without / with 1 / 2 / 3 side brushes (mm)	Waste container (l)	Max. area performance with 1 / 2 side brushes (m <sup>2</sup> /h)	Indoor use	Outdoor use
<b>Ride-on vacuum sweepers</b>					
KM 170/600 R	1350/1680/2000/2400	600	23520/28000	■	■
KM 150/500 R Bp	1200/1500/1800/2200	500	12000/14400	■	■
KM 150/500 R D	1200/1500/1800/2200	500	18000/21600	-	■
KM 150/500 R Lpg	1200/1500/1800/2200	500	18000/21600	■	■
KM 130/300 R Bp	1000/1300/1550/-	300	9100/10850	■	■
KM 130/300 R D	1000/1300/1550/-	300	13000/15500	-	■
KM 130/300 R Lpg	1000/1300/1550/-	300	13000/15500	■	■
KM 120/150 R Bp Pack 2SB	850/1200/1450/-	150	-/8700	■	■
KM 120/150 R Bp 2SB	850/1200/1450/-	150	-/8700	■	■
KM 120/150 R Bp   Pack	850/1200/-/-	150	7200/8700	■	■
KM 120/150 R G 2SB	850/1200/1450/-	150	-/11600	-	■
KM 120/150 R G	850/1200/-/-	150	9600/11600	-	■
KM 120/150 R D 2SB	850/1200/1450/-	150	-/11600	-	■
KM 120/150 R D	850/1200/-/-	150	9600/11600	-	■
KM 120/150 R Lpg 2SB	850/1200/1450/-	150	-/11600	■	■
KM 120/150 R Lpg	850/1200/-/-	150	9600/11600	■	■
KM 105/100 R Lpg	640/1050/1400/-	100	7350/9800	■	■
KM 105/100 R D   G	640/1050/1400/-	100	7350/9800	-	■
KM 105/100 R Bp	640/1050/1400/-	100	6300/8400	■	■
KM 100/100 R Lpg	700/1000/1300/-	100	8000/10400	■	■
KM 100/100 R D   G	700/1000/1300/-	100	8000/10400	-	■
KM 100/100 R Bp	700/1000/1300/-	100	6000/7800	■	■
KM 90/60 R Bp Pack	615/900/1150/-	60	5400/6900	■	■
KM 90/60 R Bp	615/900/1150/-	60	5400/6900	■	■
KM 90/60 R G	615/900/1150/-	60	7200/9200	-	■
<b>Walk-behind sweepers/vacuum sweepers</b>					
KM 85/50 W Bp Pack   Adv	610/850/1050/-	50	3825/4725	■	■
KM 85/50 W Bp   Adv	610/850/1050/-	50	3825/4725	■	■
KM 85/50 W G   Adv	610/850/1050/-	50	3825/4725	-	■
KM 75/40 W Bp   Pack	550/750/-/-	40	3375/-	■	■
KM 75/40 W G	550/750/-/-	40	3375/-	-	■
KM 70/30 C Bp Pack   Adv	480/700/-/-	42	2800/-	■	■
KM 70/30 C Bp   Adv	480/700/-/-	42	2800/-	■	■
KM 70/20 C	480/700/-/-	42	2800/-	■	■
KM 70/20 C 2SB	480/700/920/-	42	-/3680	■	■
KM 70/15 C	480/700/-/-	42	2800/-	■	■
KM 35/5 C	350/-/-/-	5	1480/-	■	■

■ NEW ■ Included in delivery □ Optional

# eco!efficiency: achieve more with efficiency

If you want to move and change things, you have to point 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 for customers, products and the environment. Kärcher eco!efficiency is implemented in all business areas and is an integral part of corporate policies and actions.



## Measurable time saving

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



## High recyclability

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



## Reduced water consumption

Drinking water is precious and conserving it protects natural resources and saves energy in 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 been shown to be damaging to health over the long term. Kärcher tackles working noise both in its own production processes and for users, on the one hand through constructive noise damping and on the other by reducing power to an optimum level. An example of this is the T 12/1 eco!efficiency dry vacuum cleaner. Its working noise level has been reduced by 5 dB(A) compared to the basic model, making it over 50% quieter. Furthermore, the low frequency of its operating 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 noisesensitive areas.



## Intelligent energy efficiency

Everything has its limits. Sometimes more power no longer makes sense. The T 12/1 eco!efficiency dry vacuum cleaner proves that less can be more. Its 750 W motor uses 40% less electricity but, thanks to flow-optimised suction channels, achieves 98% of the cleaning performance of the basic unit, which is more than sufficient for maintenance cleaning.



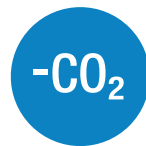
## Exemplary reparability

As early as the development phase, Kärcher machines are designed for reparability: as few components and assemblies as possible, the best possible accessibility and as many standard parts as possible, e.g. standardisation of screws.



## Materials to suit the job

The selection of the best materials for a particular case 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 harmful substances, recyclability and costs – these are factors from which Kärcher regularly re-calculates formulae for efficiency and eco-friendliness.



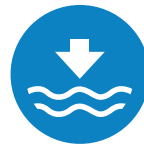
## Reduced CO<sub>2</sub> emissions

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.



**Optimised company processes**

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



**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.



**Extended service life**

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



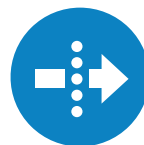
**Correctly dosed cleaning agents**

The most environmentally friendly and economical cleaning agent is that which is not used. Kärcher DOSE technology enables exact dosing of cleaning agents and, as a result, achieves a significantly 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 due to 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 ecology. Kärcher vacuums feature efficient filter systems with innovative components, such as the Tact and Tact<sup>2</sup> 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 longer service life compared to paper filter bags. And last, but not least, certified safety vacuum cleaners for critical applications.

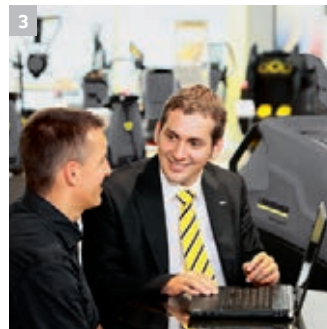
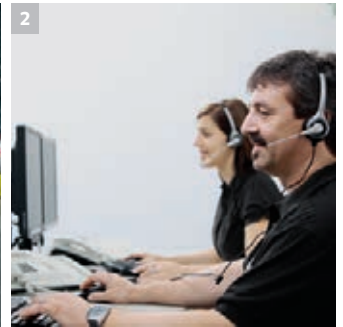


**Comprehensive spare parts supply**

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 device, Kärcher guarantees a spare parts supply for up to ten years after a model goes out of production.

# Kärcher service – you can count on us.

If the word service is a promise and not a slip of the tongue, trust is the basis. Because 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 all around the world 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 for your detailed project and property 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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