



INNOVATIONS THAT SET STANDARDS.

Configurable sweepers.

PROFESSIONAL | KM 105/100 R | KM 105/110 R

 **KÄRCHER**

makes a difference



Top performance starts at the top.

The pioneering KM 105 ride-on sweeper features the latest technology, intelligent solutions and unprecedented functionality. The comfortable workplace of a KM 105 features a clearly arranged control panel and all control elements with perfect ergonomics for simple and intuitive operation. This machine is compact and extremely manoeuvrable and can turn easily in hallways less than two metres wide. The KM 105 meets all requirements for contemporary operation, ease of servicing and excellent cleaning performance.



Equipped for all tasks.

The original Kärcher range of accessories for the KM 105 is as versatile as its range of applications and enables optimal utilisation of the potential of this machine. A second side brush, various roller brushes and attachments extend the range of applications and increase cleaning performance. Canopy, flashing beacon, working lights and road use kit increase safety and the operating range. Not least, the choice between container lift or low container emptying allows every KM 105 to be tailored to suit individual requirements.



1 Well protected: increased safety

Safety first. Every KM 105 can be equipped with an optional flashing beacon, working light and a canopy.

2 Sit comfortably – relaxed and stress-free

Whether with standard or comfort seat – the KM 105 is built for comfort.

3 Intuitive operation

The control panel and operating elements are clearly arranged and easily accessible in the ergonomically designed cockpit.

4 Maximum manoeuvrability

The hydraulic front wheel drive and compact dimensions make this machine extremely manoeuvrable. The KM 105 can even turn in passageways less than two metres wide.

5 Strong side brushes

A second optional soft, hard and standard side brush is available for easy cleaning of edges and corners as well as increasing the working width.

6 Protected sweeping system

The roller brush on the KM 105 is located on the rear axle. The sweeping system follows the rear wheels and is therefore protected against damage when negotiating obstacles.

7 Everything on-board

With the practical Home Base system, items such as brushes, coarse dirt pliers, bucket or cloths can be secured safely to the machine and carried on-board.

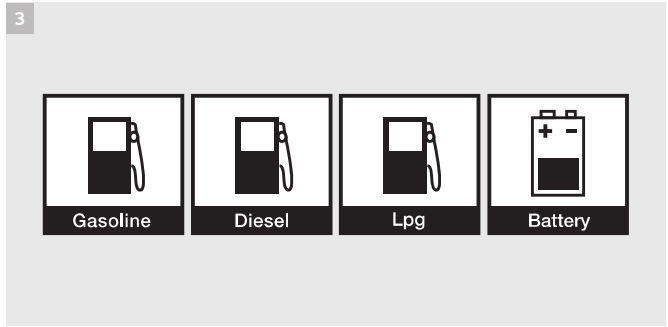
8 Large storage area

A large storage area is located at the rear of the KM 105 for transporting large items, e.g. a folding box.



Individual flexibility.

A configured KM 105 is always perfectly tailored to suit individual requirements. The available options allow virtually any required combination: four drive types, container lift or low container emptying, different seats, tyres and side brushes as well as safety accessories such as canopy, flashing beacon, road use kit, working lights – and much more.



1 Container lift on KM 105/110 R

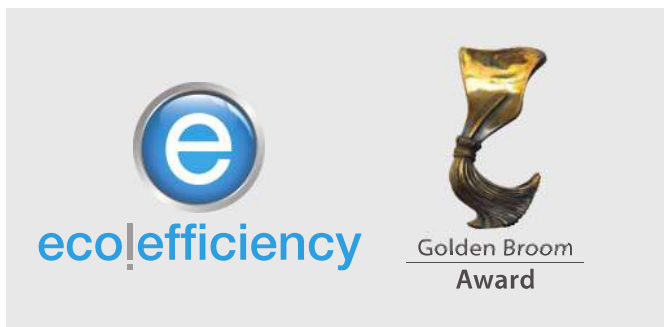
The hydraulic container lift can reach a height of up to 1.55 metres. The waste container tilts backwards to protect the operator from dust dispersion.

2 Low container emptying on KM 105/100 R

Both low emptying containers can be removed and emptied conveniently. The dirt can also be filled directly into large, standard bin bags for dust-free disposal.

3 Drives: Each one impressive in its own way

The KM 105 range offers the right drive for every application, depending on the area of use, existing fleet and infrastructure. Petrol or diesel engine for outside areas. Lpg in logistics (indoors and outdoors). Or the eco-friendly, quiet, emission-free battery drive, not only for enclosed spaces.



Excellent innovations

The KM 105 range received the ISSA/Interclean Innovation Award, amongst other things for the innovative Teach system, which automatically adjusts the contact pressure of the roller brush. In eco|efficiency mode, this can considerably increase the life of the roller brush.

Intelligent yet simple.

Intelligent design and simple operation are features that make the KM 105 unique. The primary aim during the development of the KM 105 was to make cleaning tasks as quick and easy as possible as well as to increase safety, facilitate servicing and save time, energy and money.



1 The key to more success

The key to advanced operator control is called KIK: Kärcher Intelligent Key. This provides user rights for machine settings: individually for users, supervisors and authorised service technicians. Programmable in 19 languages. With a display that shows the state of wear of the main sweeper roller as well as other information.

2 Roller brush at the back, performance right at the front

The roller brush on the rear axle allows larger roller brush diameters for improved container filling, also directly into a bin bag. Other advantages include excellent access for checks or roller brush replacement as well as safely negotiating obstacles and ramps without causing any damage.

3 Easy tool-free service access

All important components such as fuel tank, battery or oil dipstick are easy to access via the wide opening side panel.

4 Sweeping corners made easy

Sweep in corners – without any extra manual work. Saves time and money. With the optional rotating brush (only activated when turning corners), the KM 105/100 R and KM 105/110 R sweep corners efficiently in just one stroke – without dirt crescent. And without any extra manual work.

5 Dust-free operation

Tact is a highly effective, fully automatic filter cleaning system that uses pulses of pressurised air: the compact, nano-coated polyester filter is permanently deep cleaned during operation – for optimal separation performance, long life and continuous dust-free operation.

6 Always the right contact pressure

The Teach system automatically adjusts the contact pressure of the roller brush. Operators can choose between three different settings: ecoefficiency, medium or heavy. This reduces wear without manual adjustment.

Technical data and equipment.

Machine		Low emptying			Container lift		
Version		KM 105/100 R G / Lpg	KM 105/100 R D	KM 105/100 R Bp / Bp Pack	KM 105/110 R G / Lpg	KM 105/110 R D	KM 105/110 R Bp / Bp Pack
Power	kW	6.5 / 5.9	4.5	1.44	6.5 / 5.9	4.5	1.44
Driving speed	km/h	7	7	6	7	7	6
Turning circle	m	< 2	< 2	< 2	< 2	< 2	< 2
Sweeping width	mm	640	640	640	640	640	640
Sweeping width with 1 side brush	mm	1,050	1,050	1,050	1,050	1,050	1,050
Sweeping width with 2 side brushes	mm	1,400	1,400	1,400	1,400	1,400	1,400
Waste container volume	l	2 × 50	2 × 50	2 × 50	110	110	110
Max. emptying height	m	Ground level	Ground level	Ground level	1.55	1.55	1.55
Max. gradient	%	18 / 12	16	12	18 / 12	16	12
Area performance with 1 side brush	m ² /h	7,350	7,350	6,300	7,350	7,350	6,300
Area performance with 2 side brushes	m ² /h	9,800	9,800	8,400	9,800	9,800	8,400
Dimensions	cm	180 × 125 × 145	180 × 125 × 145	180 × 125 × 145	180 × 125 × 145	180 × 125 × 145	180 × 125 × 145
Standard equipment							
Standard seat		■	■	■	■	■	■
Pneumatic tyres		■	■	■	■	■	■
Right side brush		■	■	■	■	■	■
Tact filter cleaning		■	■	■	■	■	■
EASY Operation (one-switch operation)		■	■	■	■	■	■
Footprint system (various roller brush contact pressures)		■	■	■	■	■	■
Teach system (automatic roller brush wear adjustment)		■	■	■	■	■	■
Power-Plus system (additional torque for climbing)		■	■	■	■	■	■
Bin bag disposal system		■	■	■	■	■	■
Standard main sweeper roller		■	■	■	■	■	■
Standard side brush		■	■	■	■	■	■
KIK key (2 × yellow, 1 × grey)		■	■	■	■	■	■
Storage area, rear		■	■	■	■	■	■
Battery and on-board charger incl.		-	-	- / ■	-	-	- / ■
Optional accessories							
Rotating side brush		□	□	□	□	□	□
Left side brush		□	□	□	□	□	□
Comfort seat (difference in price to standard)		□	□	□	□	□	□
Solid rubber tyres (difference in price to standard)		□	□	□	□	□	□
Solid rubber tyres non-marking (difference in price to standard)		□	□	□	□	□	□
Canopy		□	□	□	□	□	□
Weather canopy (including roof and windscreen)		□	□	□	□	□	□
Weather protection cover		□	□	□	□	□	□
Flashing beacon on roof/cover		□	□	□	□	□	□
Flashing beacon		□	□	□	□	□	□
Home Base kit		□	□	□	□	□	□
Working light		□	□	□	□	□	□
Road use kit		□	□	-	□	□	-
Coarse dirt pliers		□	□	□	□	□	□
Further accessories							
Side brush, soft		□	□	■	□	□	■
Side brush, hard		□	□	□	□	□	□
Main sweeper roller, soft		□	□	■	□	□	■
Main sweeper roller, hard		□	□	□	□	□	□
Order No.		1.280-120.2	1.280-120.2	1.280-120.2	1.280-120.2	1.280-120.2	1.280-120.2

■ Included in scope of delivery. □ Available as an option.

