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MC 150: Multifunctional sweeper for municipalities and industry

Kärcher combines a compact design with user comfort

Winnenden, April 2024 – Whether it is footpaths or cycle paths in the city or logistics or production halls in industry: The new MC 150 sweeper is the most compact model available from Kärcher in the 1.5 m³ class. The machine is easy to manoeuvre thanks to a narrow turning circle and complete directional stability, making it very suitable for work in confined spaces. New in this class is the active hydropneumatic suspension with which the vehicle can be adapted to the operating load and the driving comfort remains the same. The proven parallelogram-guided 2-broom system ensures that the brooms are always level on the road, thus ensuring uniform wear and a high cleaning performance. Like an implement carrier, the MC 150 can be equipped with various implements from mower to snow thrower.

Ergonomics and driving comfort are key features of compact sweepers because a pleasant workstation is a prerequisite for the driver's satisfaction and health. Kärcher implemented an active hydropneumatic suspension with single-wheel suspension for the MC 150, which reacts depending on the vehicle weight. The suspension comfort thus remains consistently high irrespective of the vehicle load. In the case of potholes or uneven terrain, the vehicle also does not rock and thus offers high driving comfort. The driving speed can be retained and the next job site reached quicker. The MC 150 was assessed by independent doctors and physiotherapists and is recognised as very back-friendly. The background: The suspension in this class is typically only designed for operating load. This means that comfortable driving is only possible with a full or empty waste container – if the operating load deviates, the suspension feels 'spongy' or hard.

The 2-seater cab of the MC 150 also boasts an ergonomic and user-friendly design. Entry and exit are possible on both sides with large sliding windows in

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the doors. The heated windshield offers a clear view in poor weather conditions and the 360° glazing with rear view ensures a good overview and safety when manoeuvring. The multifunction display is located in the steering wheel hub and is thus always in the driver's field of vision, the operator terminal is conveniently installed in the armrest. The MC 150 can be moved into working position at the touch of a button.

The MC 150 is also very well equipped in terms of motorisation and sweeping technology: The 48 kW Kubota motor provides a solid drive and if required can be operated with alternative fuels such as hydrotreated vegetable oil (HVO). A differential lock is available as optional equipment. The flow-optimised suction system delivers excellent results, even at low engine speed, and is very fuel-efficient. The cleaning performance is comparable to that of the superior 2 m³ model class.

In order to guarantee high efficiency and flexibility, users can easily change between different implements thanks to a quick-change system, from sweeping to mowing with and without attachment through to winter service and watering. The engine covers can be opened and offer unrestricted access to the engine – all maintenance-relevant components can be reached quickly.

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MC 150

Drive/Engine	4-cylinder Common-Rail-Motor with DPF / Kubota
Power	48 kW at 2700 rpm
Driving speed	40 km/h
Climbing ability	30%
Turning circle (inner)	1210 mm
Dimensions (L x W x H)	3528 x 1200 x 1999
Total permissible weight	3500 kg
Towing capacity (braked)	3000 kg
Unladen weight	1780 kg
Container capacity	1500 l
Fresh water tank	195 l
Working width	2450 / 2660 mm

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The MC 150 is a new multifunction sweeper from Kärcher, which like an implement carrier can be equipped with various implements.



It is also very easy to manoeuvre in confined spaces...

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...thanks to complete directional stability and a narrow turning circle.



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If required, the MC 150 can also be used with a mower...



...or with a front sweeper.

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The cab provides a comfortable workstation and 360° glazing with a very good overview.