



HOLDER

HOLDER X SERIES

BENEFITS, FEATURES AND TECHNICAL DATA



HOLDER X SERIES



2 ATTACHMENT POINTS

Perfect conditions for sweeping, mowing, watering, snow clearing and much more.

- Front power lift
- Second attachment point for mounted units
- 1-person installation of attachments
- Very low rear section, resulting in a low centre of gravity for excellent driving characteristics and safety in all applications
- Storage stand for easy attachment changes
- Towing operation possible via 50 mm ball coupling



COMFORTABLE CAB

The largest cab of its class offers maximum comfort during when working.

- Fitted with high-quality materials
- Low noise level
- Largest amounts of headroom and legroom in its class
- Insulated glazing
- Sliding window on the right and left
- Exit on the right possible
- Air-suspension seat with seat heating
- Adjustable steering column
- Rear-view camera
- Perfect airflow for air conditioning and heater
- 12 V sockets for electric devices and 2 x USB ports
- Storage options



DRIVE TRAIN

Strongest and fastest machine in the segment

- Either with petrol or diesel engine
- Powerful 42 HP / 44 HP
- Eco mode for quiet sweeping
- Large fuel tank
- High performance at low speeds

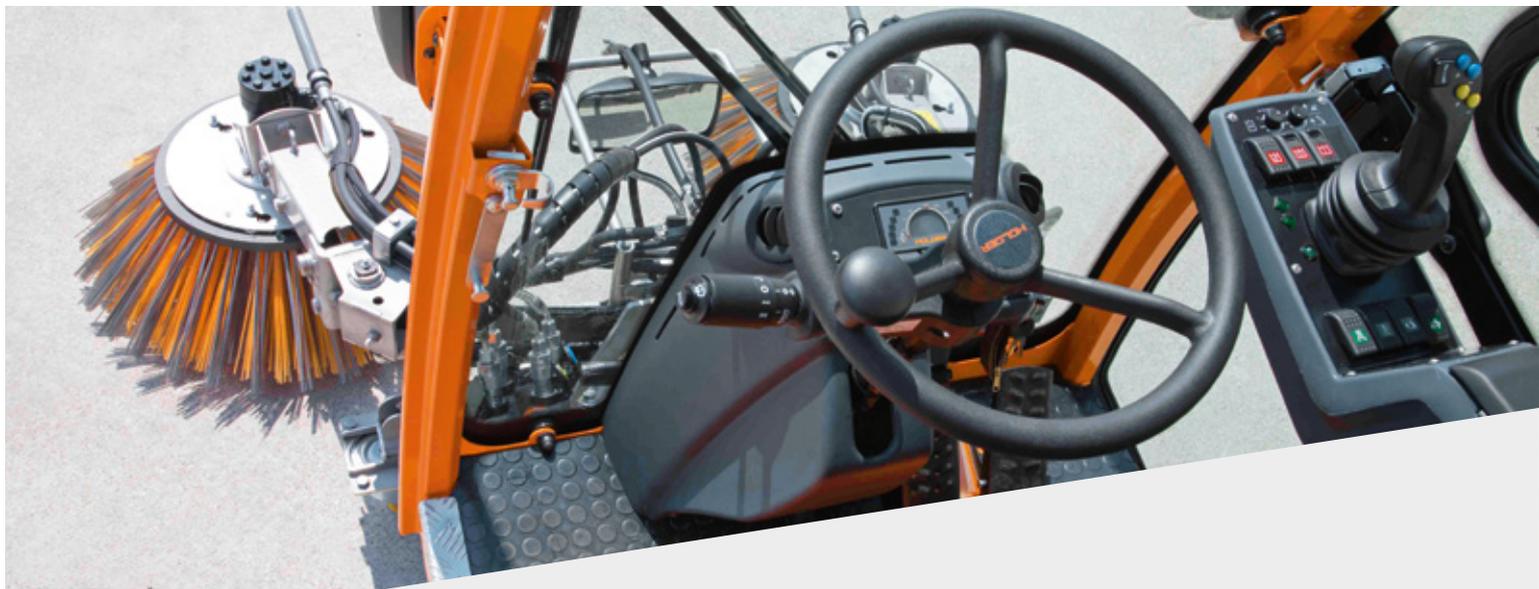


EASY SERVICE ACCESS

Daily service tasks can be carried out without removing the attachments.

- Easy service access for daily servicing even with mounted attachments (diesel, hydraulic fluid, engine oil, cooling water, air filter)
- Windscreen washer container can be topped up from the outside
- Jump start possible from the outside
- Electronic control system mounted in cab for protection against moisture and dirt
- Lubrication points accessible from the outside





ERGONOMIC OPERATING CONSOLE

Intuitive operation enables easy and effortless working.

- Adjustable armrest fitted to the seat
- 1-handed operation
- Standard operating concept for different attachments
- Application pre-selection via programme switch
- Short learning period thanks to intuitive operating concept
- Most important functions on joystick, including direction lever, floating position and control valve operation



SWEEPING, MOWING, SLUICING

Three applications with just one container.

- X³ container with a water capacity of up to 450 litres and a large container flap for very easy draining
- Sweeping/suction system with 150 l of fresh water and a water circulation system
- High-performance, rotary mower deck with rear discharge or for mowing/collection
- Varied options for irrigation, e.g. watering and sluicing
- Tank-to-tank connection system

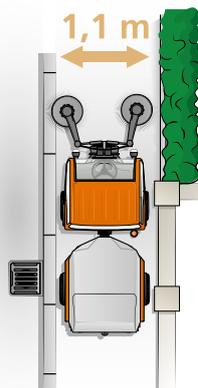


INSPIRING TECHNOLOGY



SUITABLE FOR PAVEMENTS AND UNDERGROUND CAR PARKS

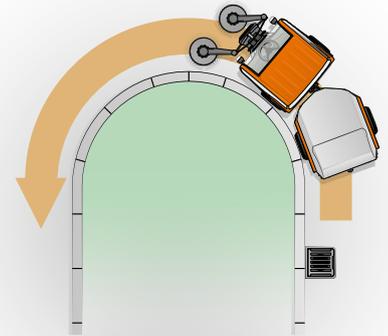
- Compact dimensions make it suitable for a great variety of applications
- The maximum total weight including attachments is well below the legal limit for pavements (3.5 tons)
- The benefits for you: Ideal working conditions on pavements, in underground car parks, subways, courtyards and alleyways





ARTICULATED STEERING

- Front and rear sections as well as front and rear attachment move in one line
- Ensures manoeuvrability, accuracy, directional stability, very small turning circles and optimum power transmission
- The benefits for you: Less manoeuvring, less manual re-working, precise working close to the edge, soil protection and minimum tyre wear



HYDRAULIC WEIGHT COMPENSATION

- The weight of the attachment can be transferred to the whole vehicle steplessly
- Hydraulic control ensures that the soil sequence is ideally followed
- Increased traction while working, e.g. on slippery surfaces and puts less strain on attachments



THREE APPLICATIONS IN ONE: THE X³ CONTAINER

- Completely new multi-functional container for sweeping/suction, mowing/suction and irrigation
- High-quality container made of stainless steel
- 1000 l gross container volume
- One of the largest vacuum extractor fans in its class
- High suction power due to short but large suction hose
- Significant time and cost savings in addition to increased environmental protection



POWERFUL HYDRAULICS

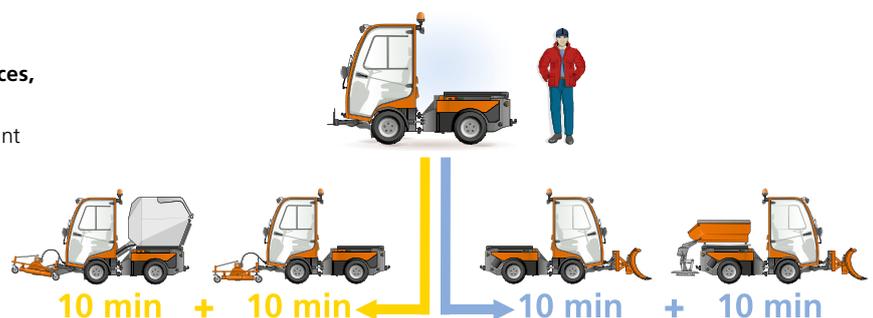
- Thanks to maintenance-free 3-pump system
- The benefits for you: Hydraulic circuits that can be operated independently for using different attachments at the same time



FAST ATTACHMENT CHANGES

Thanks to a sophisticated design with standardised interfaces, Holder attachments can be changed quickly and easily.

- Front attachments are mounted on the front lift via a three-point linkage (ISO 730/1)
- Rear attachments, such as flatbeds, containers or spreaders, are simply pushed over the installation frame and secured with a quick-release fastener
- All that is left to do is connect the hydraulic hoses to the non-drip couplings



THINKING AHEAD RATHER THAN RELYING ON POST-TREATMENT.

Planning security for Holder customers with small implement carriers below 50 HP.

THE PROBLEM

The EU limit values for fine dust are frequently exceeded, especially in large cities. This results in fine dust warnings and driving restrictions in city centres.

The limit values that will come into force with the Stage V emission standard in 2019 will require exhaust gas treatment for diesel engines in the performance class between 30 and 50 HP.

THE CONSEQUENCES

Lifecycle costs for diesel engines will double and additional operating costs will be generated.

A diesel engine that has undergone exhaust gas treatment requires approx. 30% more space, so vehicles will become larger and this vehicle class will have:

- More components
- Higher costs
- Larger/wider dimensions

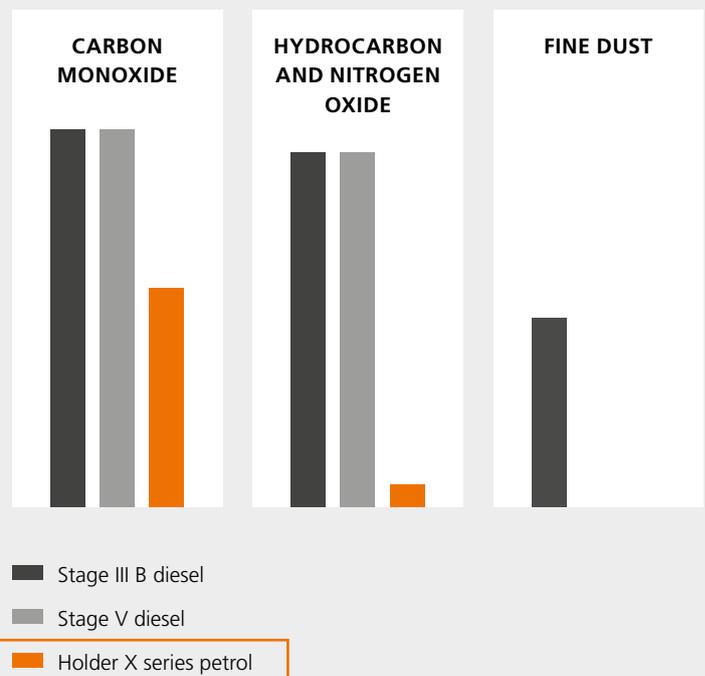


THE SOLUTION

The Holder engineers have become the first on the market to develop a compact sweeper with a petrol engine.

This means that we are already well below the emission limit values of the coming Stage V emission standard. And we have achieved it without the complex exhaust gas treatment a diesel engine would require.

COMPARISON OF EMISSION VALUES



PERFECTLY MATCHED ATTACHMENTS FOR USE ALL YEAR ROUND

- X³ container for sweeping, mowing, watering and sluicing
- Flatbed
- Parking devices
- 2-brush system with individual brush control
- Front sweeping brush
- Front sickle mower with optional mulching kit
- Washing bar
- Side clearing shield
- Vario snow plough
- Roller spreader
- Disc spreader

YOU'RE IN GOOD HANDS WITH US

- Up to 36-month warranty
- Reliable spare parts supply
- Close service network and local partners
- Long service life
- Good value retention
- Rental, financing and leasing

YOUR BENEFITS



Cost saving



Time saving



Safety



Comfort



Working result

SPECIFICATIONS



	X 45i	X 45
ENGINE	Kubota 4-cylinder petrol	
Displacement	1605 cm ³	1498 cm ³
Power	32.6 kW (44 HP)	31 kW (42 HP)
Nominal speed	2600 rpm	2800 rpm
Cooling system	Water cooling system	
Fuel tank capacity	42 l	
DRIVE	Hydrostatic drive, stepless speed regulation, 4 (four) equal sized wheels	
Maximum speed	27 km/h	
Brakes	Hydraulic service brake on the front axle, active on all four wheels via the hydrostatic drive, mechanical parking brake on the front axle with two drum brakes	
HYDRAULICS	1. circuit 55 l/min at 2600 rpm, 2. circuit 30 l/min at 2600 rpm, 3. circuit 5 l/min at 2600 rpm	
Quantity of hydraulic oil	19 l	
Excavation force	750 kg (front)	
WEIGHT	Includes driver of 75 kg; depends on tyres and equipment	
Empty weight	1280 kg	
Permissible total weight	2300 kg	
Permissible axle load	Front: 1190 kg / rear: 1190 kg	
Tow bar load on the trailer coupling	75 kg	
Towing capacity	With brakes 900 kg	
Maximum payload	1020 kg	
DIMENSIONS	Tyres: 20 x 10.00-10 / 23 x 10.50-12	
Wheelbase	1360 mm	
Total length	2870 – 2905 mm	
Total height	1960 mm / 2020 mm	
Total outer width	1094 mm (without external mirrors)	
Turning circle	2150 mm	
SUCTION SWEEPER		
Container gross/net	1 m ³ / 0.7 m ³	
Fresh water tank	150 l	
Max. sweeping width	2050 mm	

HOLDER IN ACTION: www.youtube.com/user/maxholdergmbh

CONVENTIONAL
SIMPLY DOESN'T CUT
IT FOR US. FEATURES
THAT MAKE EVERY
DAY EASIER.



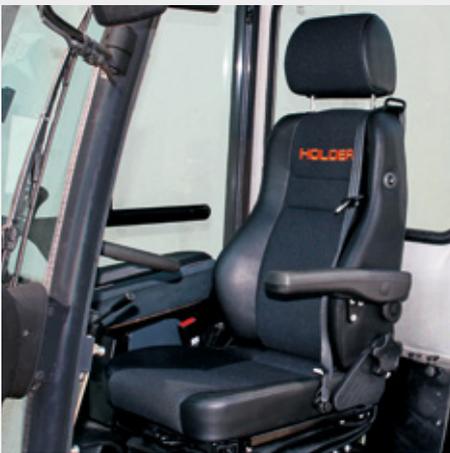
Hands-free system

A Bluetooth hands-free system that is easy to operate and has conveniently placed control elements.



Start/stop system

Environmentally and economically sound: The system ensures that no grit is ejected from the spreader while the vehicle is stationary.



Comfortable König seat

Air-suspension driver's seat with integrated three-point seat belt, seat made from breathable mesh material for optimum ventilation during the summer and quick heating via the two-stage seat heating during the winter.



Rear-view camera

The rear-view camera makes it possible to view the sweeping result from the cab and assists safe reversing.



LED daytime running lights

For better visibility: The daytime running lights as required by Swiss road traffic regulations come in a modern LED version for the X series.

Optimum guidance, sales and service from your Holder partner:

HOLDER
NO COMPROMISE

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