



# CS100-CS120



# Comfortable, powerful sweepers for great performance on any surface

The CS100 and CS120 ride-on industrial sweepers are at the top of the range in terms of power, performance, resistance and ability to perform heavy duty tasks. Extremely versatile, CS100/CS120 were designed to collect both solid debris and light dust extremely easily.

Two different working widths are available: 100 and 120 cm, and battery- or diesel-powered. The CS120 model is also available with Bifuel endothermic engine (gasoline/LPG) to reduce consumption and emissions.

These extremely high-performance sweepers are suitable for cleaning the most resistant dirt over vast surfaces, both outdoor and indoor. They are particularly effective in industrial environments, milling and feed industrial structures, mining industrial structures, large car parks, port areas and airports and on surfaces measuring up to 40,000 sq.m.

## KEY FACTORS OF CS100-120

- Three types of power supply: battery, diesel and Bifuel to meet different cleaning needs
- Access from both sides
- Forward movement/reverse pedal power assisted for particularly smooth and precise operation
- Maximum access to the engine compartment, so any type of maintenance, such as changing the oil or filters, can be done inside the machine very easily
- Pressure and height adjustment of the central brush independent
- The autonomy of the battery-powered version can be up to 5 hours
- The rear motorwheel traction drive makes the machine safe and maneuverable, ensuring an extremely tight curve radius
- Hydraulically operated brakes
- Headlights as standard to make the sweeper more visible when operating and improve visibility
- Blinking light kit to increase safety by indicating that the machine is passing
- Overhead guard to protect operators
- Seat belts
- Glass cabin, offering wide visibility, ideal for operating outdoors with the possibility of equipping it with air conditioning
- Also available as a type-approved street version



**CS100 B/D**  
Version with one or two side brushes  
Central brush: 1000 mm

**CS120 B/D/Bifuel**  
Version with one or two side brushes  
Central brush: 1200 mm

## Studied to provide maximum driving comfort for the worker

The CS100/CS120 sweepers have been created to make the operator's job comfortable and easy. They have been studied in minimum detail: the driver's seat can be accessed from both sides and the elegant instrument panel allows the operator to have the situation always under control.



CS100/CS120 sweepers are fitted with an innovative instrument panel, like the one you would find in a car, with instant display of all the functions. The innovative steering wheel has been designed to make driving extremely comfortable.

A fabric bag filter, with a large filtering surface beyond 10 sq.m lasts a very long time and ensures excellent results even in environments where there is a lot of fine dust thanks to the powerful filter shaker. The filter is easy to remove without the use of tools, to check or replace it. No maintenance is required thanks to the periodical use of the electric filter shaker. Filters in fabrics for specific applications are available upon request.

Super-comfortable seat  
with armrests and headrest



The vacuumed air is discharged through grilles located high up on the machine. This means that none of the dust that has settled on the surface surrounding the machine is lifted, thus guaranteeing excellent cleaning results.

# Maximum accessibility for routine maintenance, simple and quick, and to have extremely reduced running costs

The CS100/CS120 sweepers are designed to provide maximum access to the engine compartment (in the Diesel or Bifuel version) and to the battery compartment (in the battery version). Thanks to this accurate study, any type of routine and extraordinary maintenance can be done inside the machine without ever being obstructed, guaranteeing quickness and greatly reduced costs.

The front box for collecting dirt has a capacity\* of: 570 l. (CS100) - 600 l. (CS120) and is lifted by a 2-piston hydraulic system operated by the handy control where the driver sits. Vacuuming is operated by a hydraulic motor.

\* Measurement read on the edge of the filter

The side brush retracts in the event of accidental knocks, thus avoiding all possible damage. The brush's slanting angle can be adjusted to better adapt to cleaning along borders.

Suction closure

Hydraulic power steering

## DISCHARGE HEIGHT 1.4 m

Automatic emptying: the frontal dirt collection container is lifted by a 2-piston hydraulic system, operated by a handy control on the driver's seat.

The suction turbine attached directly on the rubbish container and operated by the hydraulic motor guarantees performance constancy over time.

Besides reducing mechanical stress the large diameter wheels also make working more comfortable. Their sturdy support helps keep operating characteristics always the same.

Both versions have hydraulically controlled brakes as a standard feature.

The traction, brush and suction system motors are operated by an hydraulic circuit. The hydraulic system was designed to reduce waste and keep oil temperature within optimum values, thus increasing performance and minimizing the use of energy. These sweepers are equipped with a motor water cooling system to increase their working autonomy and work even in very hot environments.

The hydraulic motor that exerts its force on the rear wheel allows these sweepers to have maximum power even on ramps. In addition, its rear position increases the sweepers' maneuverability.





The pressure and height adjustment of the central brush are controlled simply by the knob near the brush. Brush height adjustment depending on wear can, therefore, be done very easily. This ensures a longer brush life cycle.

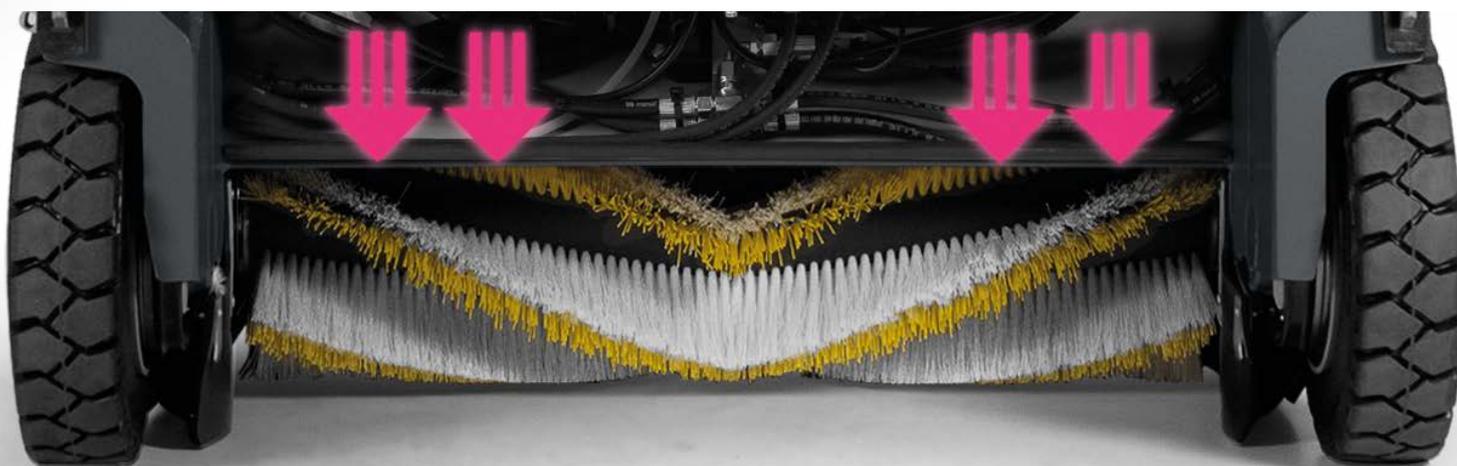
The front loading system allows to have a reduced distance between the brush and the debris hopper. This allows for a better collection capacity in the presence of heavy debris.



The controls and motors fitted on the CS100/CS120 models are hydraulically operated to guarantee reliability and ease of use.



All models feature an oil cooler with independent thermostat and solenoid valve in order to keep oil temperature within the ideal range and ensure best efficiency. In this way consumption is reduced and components' life extended.



**THE CENTRAL BRUSH IS THE FLOATING TYPE AND SELF-ADJUSTS TO KEEP IN CONTACT WITH THE FLOOR ALL THE TIME**

STANDARD EQUIPMENTS	CS100 B	CS100 D	CS120 B	CS120 D	CS120 Bifuel
Decentralized driving position	•	•	•	•	•
Automotive dashboard	•	•	•	•	•
Battery supply	•	-	•	-	-
Diesel engine supply	-	•	-	•	-
Bifuel supply (Gasoline+LPG)	-	-	-	-	•
Non-marking rubber wheels	•	•	•	•	•
Fabric filter	•	•	•	•	•
Headlights	•	•	•	•	•
Filter shaker	•	•	•	•	•
Hydraulic levers for brushes lifting	•	•	•	•	•
Super comfortable seat with armrest	•	•	•	•	•
2 hydraulic piston dirt collection container	•	•	•	•	•
Blinking kit	•	•	•	•	•
Hydraulic working brake	•	•	•	•	•
Bumpers	•	•	•	•	•
Dead man's switch	•	•	•	•	•
Reverse warning device	•	•	•	•	•
Horn	•	•	•	•	•
Hydraulic power steering	•	•	•	•	•

OPTIONAL/ACCESSORIES	CS100 B	CS100 D	CS120 B	CS120 D	CS120 Bifuel
Pneumatic wheels	•	•	•	•	•
Seat belts	•	•	•	•	•
Overhead guard	•	•	•	•	•
Glass cabin	-	-	•	•	•
Air conditioning	-	-	•	•	•
Approved street version	•	•	•	•	•

TECHNICAL DESCRIPTION		CS100 B	CS100 D	CS120 B	CS120 D	CS120 Bifuel
Theoretical productivity	up to sqm/h	9450	11475	10850	13175	13175
Working width with central brush	mm	1000	1000	1200	1200	1200
Working width with side brush	mm	1350	1350	1550	1550	1550
Working width with two side brushes	mm	1700	1700	1850	1850	1850
Central brush	Ø/mm	380x1000	380x1000	380x1200	380x1200	380x1200
Side brush	mm	500	500	500	500	500
Standard filter	format	Pocket	Pocket	Pocket	Pocket	Pocket
Standard filter	material	Fabric	Fabric	Fabric	Fabric	Fabric
Filtering surface	sq.m.	10	10	11	11	11
Debris hopper capacity	l	570	570	600	600	600
Type of drainage	-	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Supply/traction	V	Battery 36V/ aut. hydraulic	Diesel/ aut. hydraulic	Battery 36V/ aut. hydraulic	Diesel/ aut. hydraulic	Bifuel LPG/ aut. hydraulic
Machine dimensions (LxHxW)	mm	2330x1720x1380	2330x1720x1380	2330x1720x1510	2330x1720x1510	2330x1720x1510



Cleaning contractors



Industrial



Public



Automotive



Logistics



Large-Scale Retailing



Transport



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