



## CS100/120

**Comfortable and powerful battery-powered, diesel or bi-fuel sweeping machines which ensure really low running costs and high performance level. They feature 135 and 185 cm working width**





## CS100/120

**Suitable for removing the most stubborn dirt from outdoor or indoor surfaces, such as compartment stores and parking lots up to more than 10.000 sq.m.**

CS100/120 have been designed to easily collect solid debris and light or heavy dust also in very dusty environments.

These sweeping machines are at the top of the range in terms of power, performance capacity, resistance and ability to perform heavy duty tasks.

They also feature an electric filter shaker that is directly controlled from a button on the instrument panel to keep the pocket filter always clean, reducing drastically maintenance operations.

Controls and motors installed on CS100/120 models are hydraulic powered operated, ensuring reliability and user-friendliness.

The same hydraulic system used in the Diesel and Bifuel models is also installed on the battery versions.

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.

CS100/120 come with all accessories as standard equipment: spring seat with armrests, flasher, headlights, rubber bumper, reverse beeper, cloth filter, main and side brush.

**CS100/120 are available also in the version for public areas or street.**



CS100/120



CS100/120





## CS100/120

**They have been devised to provide excellent driving comfort for the operator and best accessibility for ordinary maintenance procedures**

The CS100/120 sweeping machines have been designed to ensure comfortable driving conditions for the operator. They have been carefully designed

in every detail: the driver's seat is accessible from both sides and the elegant instrument panel ensures constant control of the situation.



The driver's seat has been carefully devised to ensure the most comfortable operating conditions for the operator: the steering wheel comes with adjustable inclination just like the seat back and the arm rests



The forward and backward drive pedal is servo-assisted to ensure smooth and precise driving



The four main control levers have been arranged to make driving as easy as possible.

**The levers have the following functions:**

1. To switch on and lower the main brush and make suction start automatically. Depending on requirements, suction can be disabled.
2. To operate the side brush.
3. Lever to open and close the cover of the debris hopper.
4. Lever for dirt hopper lifting



overhead guard



CS100/120 with cabin



## CS100/120 **BIFUEL** More ecological thanks to the bifuel version

The bifuel model can use also ecological fuel (LPG). The installed motor was designed for the bifuel version assuring reduced consumptions with low emissions.

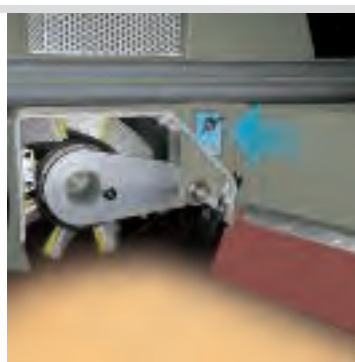
Thanks to the operative autonomy guaranteed by the two installed tanks - 10 l fuel and LPG gas cylinders up to Ø 32x72 cm - you can work long with maximum safety also in enclosed environments.



## CS100/120 Designed to provide excellent accessibility for ordinary maintenance procedures

The CS100/120 sweeping machines have been designed to provide the best accessibility to the motor compartment. Thanks to its accurate design,

any type of ordinary and extraordinary maintenance procedure on the machine can be easily performed without any trouble.



The pressure and the height adjustment of the central broom are independent. A particular hydraulic device ensures constant weight on the broom. The broom can be easily adjusted according to the wear. This operation guarantees a long life to the broom

Oil check or filter change have become extremely simple on the motor-driven versions





## CS100/120

### Technical solutions are adopted to ensure high level and constant performance over time

These powerful sweeping machines offer a wide range of technical solutions: from the pocket filter with large filtering surface, to the self-adjusting main brush, the

large waste hopper and the newly introduced rear drive wheel which ensures tight turning radius.



The pocket filter made of fabric with more than 10 sq.m. filtering surface, ensures long life and excellent results even in environments with very high fine dust content.

The filter can be easily removed for replacement after hundreds of working hours in dusty environments without requiring any tools



The floating main brush is self-adjusting to maintain constant contact with the floor. The retractable side brush absorbs impacts protecting the machine from any possible damage. Both brushes can be easily removed for replacement, and the main one, in particular, can be removed without any tools

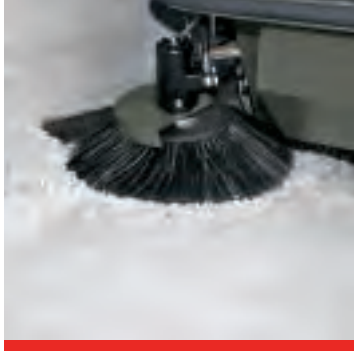


Traction is provided by the rear-drive wheel which ensures great manoeuvrability and safe driving with a very tight turning angle



















**The front waste hopper, with a usable capacity of 400 l. (CS100), 420 l. (CS120),**

is lifted by a two-piston hydraulic system that is directly controlled from the driver's seat and can reach 1,4 m dumping height. Vacuum is generated by a hydraulic motor



TECHNICAL DESCRIPTION		CS100B	CS100D	CS100 Bifuel	CS120B	CS120D	CS120 Bifuel
Forward speed	km/h	0÷7	0÷8,5	0÷8,5	0÷7	0÷8,5	0÷8,5
Max gradient with empty hopper	%	14	20	20	14	20	20
Max gradient with full hopper	%	10	15	15	10	15	15
Electric motor	V/W	36/6000	-	-	36/6000	-	-
Engine	HP	-	28 (Perkins)	28 (Kubota)	-	28 (Perkins)	28 (Kubota)
Filter shaker motor	V/W	12/110	12/110	12/110	12/110	12/110	12/110
Suction	m³/h	250	250	250	250	250	250
Dump height	mm	1400	1400	1400	1400	1400	1400
Usable/theoretical waste hopper capacity	l	570/400	570/400	570/400	600/420	600/420	600/420
Filter surface area	m²	10	10	10	11	11	11
Batteries	V/A	36/640	-	-	36/640	-	-
Batteries weight	Kg	720	-	-	720	-	-

										
	Working width (with side brush)	Number of side brushes/ Ø mm	Power supply V/ traction	Central brush width	Front-mounted hopper	Rear-mounted hopper	Type of dumping system	Working width up to m²/h	Machine dimensions mm L x H x W	Machine weight kg (without batteries)
CS100B 	1350/1700	380x1000	36/ hydraulic	1000	•	-	hydraulic	9450	2330 1720 1380	960
CS100D 	1350/1700	380x1000	-/ hydraulic	1000	•	-	hydraulic	11475	2330 1720 1380	1070
CS100 Bifuel 	1350/1700	380x1000	-/ hydraulic	1000	•	-	hydraulic	11475	2330 1720 1380	1070
CS120B 	1550/1850	380x1200	36/ hydraulic	1200	•	-	hydraulic	10850	2330 1720 1510	990
CS120D 	1550/1850	380x1200	-/ hydraulic	1200	•	-	hydraulic	13175	2330 1720 1510	1100
CS120D Bifuel 	1550/1850	380x1200	-/ hydraulic	1200	•	-	hydraulic	13175	2330 1720 1510	1100

The machines are manufactured in compliance with the directives 2006/42/CE, 2006/95/CE, 2004/108/CE and with the standards IEC 60335-1 and IEC 60335-2-72.



The steel parts are subject to treatment which guarantees a long life and makes the parts oxidation-proof.

#### KEY WORDS:



Machine for industrial use



D - Diesel-powered machine



B - Battery powered machine with voltage value



Gas-powered machine



H - Petrol-powered machine

  
professional people

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