

FS100-120



Comfort and power for perfect suction

 **FIMAP**[®]

FS100-120

FS100-120

suitable for removing the most stubborn dirt
from outdoor or indoor surfaces, such as compartment stores
and parking lots up to more than 30.000 sq.m



FS100-120

the most powerful sweeping machines in the Fimap range

FS100-120 have been designed to easily collect solid debris and light dust.

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

The hydraulic system with solenoid valve and direct distributors is especially simple and reliable and controls are extremely practical to 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 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 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.

FS100-120

fully equipped sweeping machines in all respects

They come with all accessories as standard equipment:
spring seat with armrests, blinking light, headlights, rubber bumper,
reverse beeper, cloth filter, main and side brush.



- The front dirt hopper, with a capacity of 400 l. (FS100), 420 l. (FS120), is lifted by a two-piston hydraulic system that is directly controlled from the driver's seat. Vacuum is generated by a hydraulic motor



FS100-120

they have been devised to provide excellent driving comfort for the operator

The FS100-120 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.



- FS100-120 also feature an electric filter shaker that is directly controlled from a button on the instrument panel to keep the pocket filter always clean



- 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



- A comfortable step provides easy access to the driver's seat



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

1,5 m
dumping
height

FS100-120

thanks to their excellent accessibility,
ordinary maintenance procedures
are simple and fast



- The FS100-120 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. Oil level checking or filter replacement, for instance, have become extremely easy on the motor-driven version



- 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 cleaning without requiring any tools



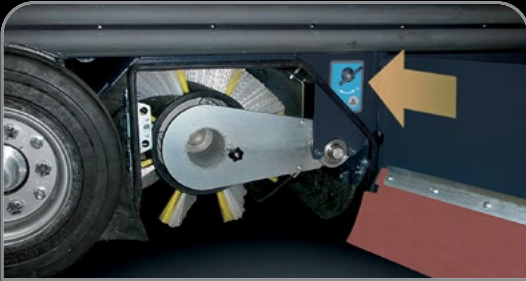
- The cooler, with independent electric fan thermostat, and the cartridge filter come as standard equipment. Thanks to these two elements, best cleaning performance and constant oil temperature are guaranteed which are the two basic conditions to ensure long-term performance and reliability. Their position has been studied to facilitate maintenance procedures as much as possible



- The back cover can be fully opened so to ensure complete accessibility to the battery compartment. The box accommodating the directional control valves is positioned in the central area so that easy and quick check of the battery liquid level in all elements is ensured

FS100-120

designed to ensure safety
and reliability under any operating condition



The pressure and the height adjustment of the central broom are independent.



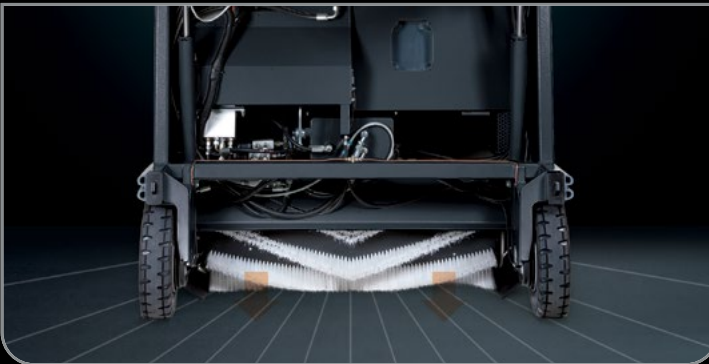
A particular hydraulic device ensures constant weight on the broom. The broom can be easily adjusted according to the wear. This operation guarantees a long life to the broom



The side brush is retractable to absorb accidental impacts and prevent any possible damage



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



The floating main brush is self-adjusting to maintain constant contact with the floor. Both brushes can be easily removed for replacement, and the main one, in particular, can be removed without any tools



TECHNICAL DESCRIPTION		FS100 B	FS100 D	FS120 B	FS120 D	FS120 Bifuel
Forward speed	km/h	0÷8	0÷8,5	0÷8	0÷8,5	0÷8,5
Max gradient with empty hopper	%	14	20	14	20	20
Max gradient with full hopper	%	10	15	10	15	15
Electric motor	V/W	36/6000	-	36/6000	-	-
Diesel engine	HP	-	28 (Perkins)	-	28 (Perkins)	24 (Kubota)
Filter shaker motor	V/W	12/110	12/110	12/110	12/110	12/110
Suction	m ³ /h	250	250	250	250	250
Dump height	mm	1500	1500	1500	1500	1500
Debris hopper capacity	l	570	570	600	600	600
Filter surface area	m ²	10	10	10	10	10
Batteries	V/Ah C5	36/640	-	36/640	-	-
Batteries weight	Kg	720	-	720	-	-
Working width (with side brush)	mm	1350	1350	1550	1550	1550
Number of side brushes/Ø	mm	1/500	1/500	1/500	1/500	1/500
Power supply	V/traction	36/hydraulic	-/hydraulic	36/hydraulic	-/hydraulic	-/hydraulic
Central brush width	mm	1000	1000	1200	1200	1200
Front-mounted hopper		•	•	•	•	•
Rear-mounted hopper		-	-	-	-	-
Type of dumping system		hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
Working capacity	up to sq.m/h	14550	14550	15725	15725	15725
Machine dimensions L x H x W	mm	2330x1720x1380	2330x1720x1380	2330x1720x1510	2330x1720x1510	2330x1720x1510
Machine weight (without batteries)	kg	960	1070	990	1100	1100

CERTIFICATIONS



AWARDS



For any additional information or for a demo please contact your usual Fimap dealer

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