

Aebi MFH 2500



AEBI

Aebi MFH 2500: Get your own back on dirt.

The Aebi MFH 2500 represents the latest generation in road-sweeping machines, allowing greater efficiency. With the compact dimensions of a small sweeper and packing the punch of one of the “big ones”, it is perfectly suited to coping with the varied demands of work around town.

With a hopper capacity of 2 m³, the Aebi MFH 2500 is the perfect road-sweeper for combined use in narrow streets and pavements. High payload reserves guarantee that full use is made of the dirt hopper’s capacity, resulting in fewer emptying runs.

One of its unique features is the patented, virtually enclosed Koanda blowing & suction system from Aebi MFH. The Koanda System virtually eliminates the emission of fine dust exhaust. This is a major advantage when working indoors and around pedestrian areas.

With special features for high-pressure wet cleaning, for clearing weeds or fitted with snow clearing attachments for winter service, the MFH 2500 can be used for an array of extra jobs all year round, doing away with the need for expensive manual labour. The high quality components used, the sturdy,

long lasting design and the many useful features are testament to Aebi MFH’s decades of experience in the development and production of top quality sweeping machines.



Sweeping, flushing and lots more besides – simple, economical and efficient.

The side nozzle with its 20 bar water pressure will clean anything that escapes the front brush.



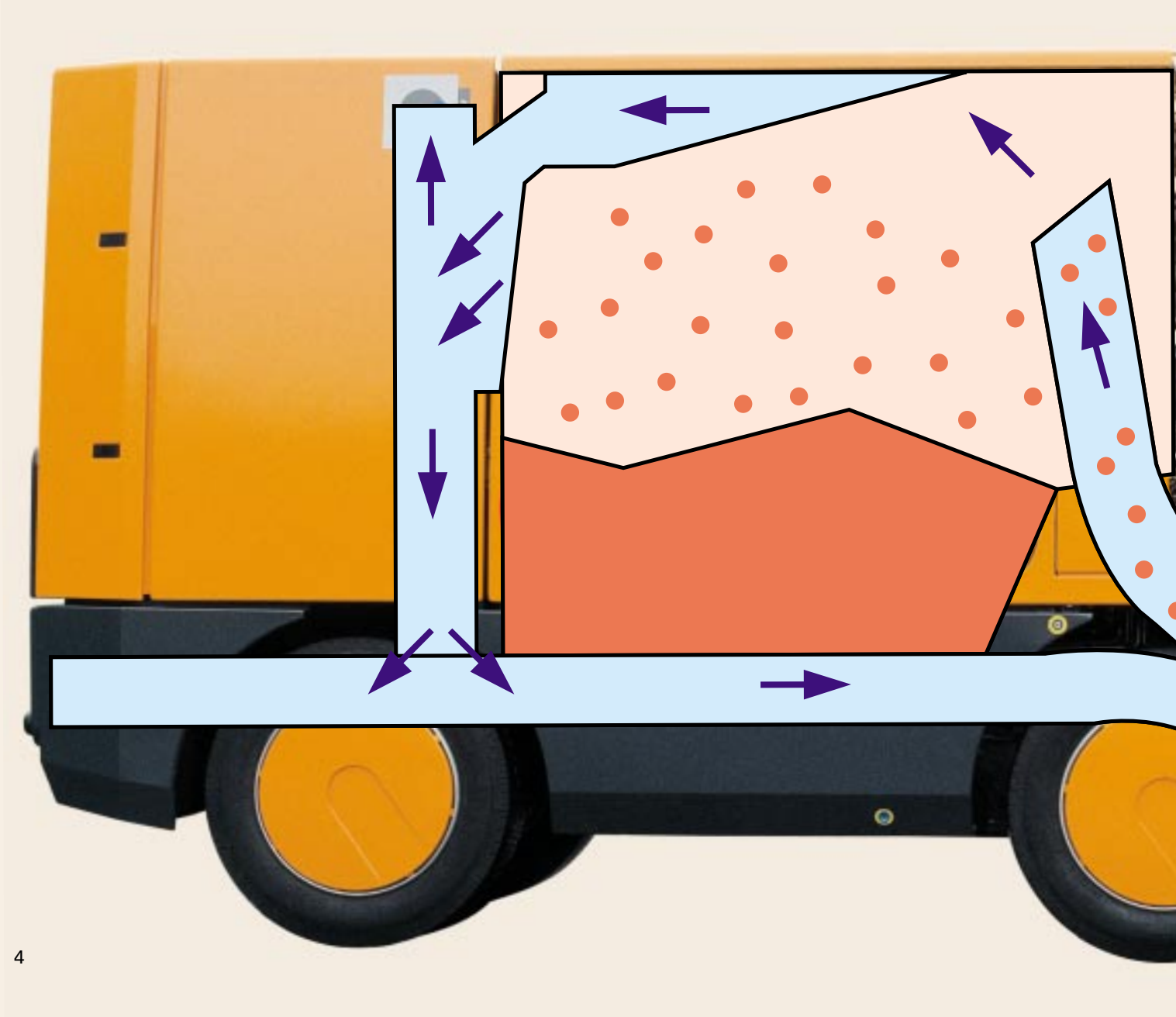
The flushing bar is attached directly onto the front brush. With its 20 or 50 bar pressure and a water tank capacity of 2200 litres, no dirt is safe with the MFH 2500 around. It has a flushing width of up to 260 cm.



The sturdy design of the front brush makes capable of operating a weed brush, saving laborious work by hand.



Clean as a whistle, the exclusive patented Koanda blowing & suction system.



It takes conventional sweeping & suction systems loads of extra water to clean off larger particles of dirt in the refuse hopper. Until now, no filter system, which is used in practice, has been able to permanently prevent the escape of harmful ultra fine dust with particle sizes smaller than 10 PM without compromising on the function and performance of the sweeper. However, the patented "closed" Koanda blowing & suction system is very different. It solves one of the great ecological problems as it almost completely eradicates the output of fine dust. About 80%

of the dust-laden air remains in the "closed" system, is recycled back to the suction mouth and, thanks to its energy flow, makes it easier to loosen and take up the refuse. The remaining air is purified by a fine foam filter.

Pure genius, and practically maintenance free. And that's not all this suction system does:

For starters, the Koanda system:

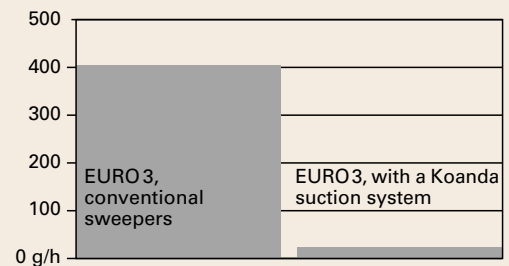
- reduces fuel consumption by up to 30%;
- the discharge of fine particles of dust, which can lead to lung problems, is reduced by up to 95%;
- reduces water consumption for wetting the refuse;
- reduces exhaust gas and noise emissions because the engine only works at a slightly raised idle speed.

What's more, this system also offers important advantages:

- much better suction and surface cleaning performance than conventional sweepers with comparable energy consumption;
- no unnecessary noise pollution for residents;
- no dirt caused by dust or dirty water being discharged;
- the sweeper is cheaper to run and lasts longer.



Particle output from sweepers



Makes work enjoyable ...

The Aebi MFH 2500 is very comfortably equipped inside, all the controls are clearly arranged. The generous all around glazing gives the driver a clear view of the brush and suction mouth. All in all, any driver would be happy to spend hours at work in this cab.



The user friendly controls and the multi-functional hand control for the most important tasks make work very enjoyable and safe. Drivers have come to appreciate the window in the floor of the cab, in particular. It allows them to easily monitor the suction mouth. The high-performance heating and ventilation system and the optional CFC-free air-conditioning system make for cool heads and warm feet during day-to-day work.

The engine, radiator and suction blower are housed in a noise insulated compartment at the rear of the sweeper, well away from the driver. This makes them easily accessible for servicing and ensures that rubbish cannot get into the engine compartment when the refuse hopper is emptied.



Highly versatile.

The Aebi MFH 2500 can be used on roads, pavements, narrow alleyways and even in the snow. This ensures that it can be used to great effect all year round.



Measuring just 129 cm in width, the sweeper has no problem cleaning narrow alleyways.



It has a maximum sweeping range with the front brush of up to 260 cm.



One-way streets, sweeping on the left with the front brush on the shoulder of the road.



Tips up to 135 cm high to empty into hoppers and sprays out with its own water pump at pressures of up to 200 bar.



Sweeps out corners and alcoves with its front brush.



Has a suction hose for cleaning recesses and emptying shafts and waste bins.



Thaws ice with a salt solution with road surface-dependent dosing. Working width of up to 300 cm, tank capacity up to 2200 l.



Clears snow with a plough or a front brush.

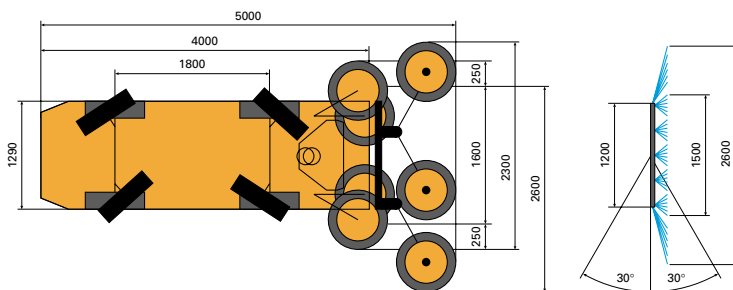


By switching on the 4-wheel drive function, you can make the Aebi MFH 2500 even easier to manoeuvre.

The MFH 2500 Road Sweeper

Vehicle and performance specification:

Length	400 cm
Length with front brush	500 cm
Width without brush	129 cm
Height	200 cm (202 cm)
Track width	106 cm
Gross weight	5500 kg
Payload	2300 kg
Refuse hopper	ca. 2000 l
Engine	Iveco 8140.43 Common Rail, EURO 3, 88 kW, 120 hp, 2.8 l throttled to 79.3 kW, 108 hp
Transport speed	45 km/h (40 km/h)
Sweeping width, variable	140–220 cm
Sweeping width with front brush	140–260 cm
Max. gradient	25% (30%)
Flushing water	2200 l
Electric water pump	2,8 bar, 12 l/min (standard)
Piston diaphragm water pump	20 bar, 150 l/min (optional)
Piston diaphragm water pump	50 bar, 82 l/min (optional)
High-pressure water pump	200 bar, 17 l/min (optional)
Water tank	approx. 450 l
Diesel tank	65 l
Outer track circle radius	250 cm with 4-wheel drive 380 cm with front-wheel drive
Tipping height	135 cm
Working speed	up to 15 km/h
Orange or white paintwork	RAL 2011 / RAL 9010
Tires	205/65 R 17.5
Drive	Hydraulic on the front axle, 2 levels
Steering	Hydraulic on the front axle, 4-wheel drive switch option
Driver's cab	Two-seater, optional air-conditioning system
Brush diameter	50/75 cm
Battery	12 V 125 Ah



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