

Front Mounted Sweepers KM50 series

For tractors (with front linkage) 25-50HP

KM 13050 H/M width 130 cm

KM 14750 H/M width 147 cm

KM 16550 H/M width 165 cm



- This is our smaller mid size range of professional, heavy duty sweepers with hydraulic or Mechanical drive.
- Hydraulic angling to angle the sweeper left and right from the comfort of the seat. The hydraulic angling cylinder is supplied with hoses and 1/2" quick release couplings.
- They sport even more robust construction techniques than our KM45 sweepers, with CNC folded and welded, heavy gauge steel.
- An inboard variable speed hydraulic drive motor, with constant tension duplex drive chain allows greater power to the brush and negates chain slippage.
- The pendulum suspension system protects the sweeper and carrier from damage over rough ground.
- Our Ø 50cm, five row combi brush moves large, heavy debris with ease.
- Sweeping height is adjusted by heavy duty gauge wheels—each wheel is adjusted individually for precise positioning of the brush.
- Suitable for front three point linkage, tool carrier or A-frame mounting.

For more info



HYDRAULIC DRIVE

KM 13050 H

KM 14750 H

KM 16550 H

Working width	130cm	147cm	165cm
Weight - with collector			
Oil flow required to operate	40l/min	40l/min	40l/min
Diameter brush with 5 rows	50cm	50cm	50cm
Collection capacity - when fitted			

Optional Accessories

1	Wheels 180 x 80 mm • incl. heavy rotary disk, instead of the standard Wheels	MP-RD 180 X 80		
2	Electric remote control solenoid valves. Cab mounted	EMV		
3	Chain sprocket • for Sweepers with 50 cm Ø • speed increase when clearing snow	KDZ 1300		
4	Front brush guard - to control debris discharge for sweepers without collector	SPL 13050	SPL 14750	SPL 16550
5	Collector box. with dual cylinder hydraulic emptying	SSB 13050	SSB 14750	SSB 16550
6	Jack stands for 40 or 50 cm diameter brush	AST 4050 LR		
7	50cm. Gulley brush with variable speed, hydraulic drive, spring loaded collision protection, storage position and keystone adjustment	ASH 4050 M - Mechanical drive brush ASH 4050 H - Hydraulic drive brush		
8	Side marker lights - red and white lens -12v - to indicate sweeper width	BG-LEUCHTEN		
9	Side warning flags - to indicate sweeper width	WA-FLAG		
10	Water tank kit mounted on sweeper or Linkage - 100/ 200 litres c/w nozzle rail and 12v/24v submersible water pump	WAS 100 KAT 1 - 100 litre tank WAS 100 AUF - 100 litre tank (on sweeper) WAS 200 KAT 1 - 200 litre tank		

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1 180 x 80 Wheels

The KM 50 series sweepers come with 2 wheels with thrust bearings 200 x 50 mm . These can be adjusted on spindles to set the height of the sweeper. The standard wheels can be changed for wider gauge wheels of 180 x 80mm, which increase the surface area of the wheels. This is useful on softer surfaces such as artificial grass, as it puts less pressure through the wheels onto the surface.



2



2 Electric remote control solenoid valves. Cab mounted

Short of hydraulic services? This product provides two integrated hydraulic services to be operated on the sweeper by using only a single hydraulic service on the tractor. This accessory requires one hydraulic double acting service to operate all the hydraulic functions on the sweeper.

3 Chain Sprocket

The KM 50 series sweepers are designed to deal with large heavy debris. For this reason, the drive is geared to produce power, rather than speed. A different chain sprocket can be added to the sweeper, which changes the ratios and allows the brush to rotate at higher RPM. This is helpful when moving snow or other material that you might want to throw further from the sweeper.



4 Front brush guard

Sometimes it is necessary to move material without collecting it. For example; when windrowing a large volume of heavy soil or snow. In this case we need to control the debris, to prevent excessive spray. The front brush guard does exactly that - allowing the material to be contained and dropped directly in front of the sweeper.

5 Collector box

The sweeper height is maintained by its rear, heavy gauge wheels and the collector box is mounted to the sweeper chassis allowing it to maintain the position relative to the brush. Hydraulic cylinders allow the collector to be opened and closed without leaving the cab, so you can dump the waste easily. The collector box covers the full length of the sweeper and is built to contain a large volume of debris. The collector box has several manually selectable height settings so that the height can be adjusted as the brush wears. This allows proper material collection for the whole life of the brush. A built in debris shield closes the gap between the sweeper chassis and the collector box preventing material from being flung through the gap.



6 Garage Stands

A sweeper has wheels on the rear, which support it on the tractor, but when the sweeper is taken off the tractor the weight will squash the brush. Our garage stands support the front of the sweeper with wheels that allow easy moving of the unit around the workshop or storage area. This also makes mounting and de-mounting the sweeper from the tractor an easier task.

7 Gully brush - Mechanical or Hydraulic - 50cm diameter

Keeping the edges clean and crisp really makes an impact. The powerful 50cm gully brushes can move heavy build up of debris from the kerb edges by sweeping material in to the path of the main brush and collector. The sweepers' integrated hydraulic system provides services for right hand mounting on the sweeper or a lower cost belt driven version. The rotational speed of the hydraulic brushes is fully controllable. The height and angle and fore and aft positions of the gully brush can be adjusted to achieve maximum performance and no tools are required. Spring loaded collision protection allows the operator a degree of latitude when sweeping against wall and gullies.



8 Side marker lights

Side marker lights indicate the edges of the machine—especially when working in low light conditions. The edges are sometimes difficult to see over the bonnet of the tractor, so these lights make it clearer to the operator of the machine as well as any observers or traffic.

The marker lights consist of forward facing white light and rear facing red light. A 12v service is required.

9 Side warning flags

Side warning flags perform a similar function to the side marker lights. They indicate the edge of the sweeper, making it easier to discern from the cab. The flags are easier to see than lights in daylight and conditions such as snow.



10 Water Tank Kit

The KM 50 series sweepers can be fitted with a 100 litre or 200 litre water tank kit in order to suppress dust. The water binds to the dust, making it heavier, so it can be easily collected. The kit includes 1x integrated sweeper mounted or 3 point linkage mounted tanks, 12/24v electric water pump, full width spray bar with replaceable nozzles which directs the water onto the brush so that the full length of the sweeper is saturated. This can be more effective than spraying the floor, as it only needs to wet the dust and not the whole floor, creating less mess. A 12v/24v supply is required.



Mounting options for Kersten KM 50 Series

The following options are the basic types of mounting systems. Within these broad categories are many individual varieties; particular to power unit or linkage manufactures. Precise details of mounting vehicle should be supplied to ensure correct fitment.

ABR 50 DP - Tractor front linkage with link arms.

The bracket is fixed to the sweeper because tractor front linkage provides float for the sweeper.

ABR 50 KD - Tractor front linkage with CAT 1 or CAT 0 A-Frame connection. The bracket is fixed to the sweeper because tractor front linkage provides float for the sweeper. Allows sweeper to connect to a linkage triangle

ABR 50 FM - Out front Mower front linkage with lift arms. The bracket is fixed to the sweeper because Mower lift arms provide float for the sweeper. Allows sweeper to connect to front mower lift arms.

