

## Front Mounted Sweepers KM45 series

For tractors (with front linkage) 15-25HP

**KM 11545 H/M** width 115 cm

**KM 13045 H/M** width 130 cm

**KM 15045 H/M** width 150 cm

**KM 16545 H/M** width 165 cm



- This is our smaller 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 45cm, 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 11545 H

KM 13045 H

KM 15045 H

KM 16545 H

<b>Working width</b>	115cm	130cm	150cm	165cm
<b>Weight - with collector</b>				
<b>Oil flow required to operate</b>	20l/min	20l/min	20l/min	20l/min
<b>Diameter brush with 5 rows</b>	45cm	45cm	45cm	45cm
<b>Collection capacity - when fitted</b>				

## Optional Accessories

<b>1</b>	Hydraulic Angling (in lieu of manual angling)	HSZ 180			
<b>2</b>	Electric remote control solenoid valves. Cab mounted	EMV			
<b>3</b>	Flow control valve	MP-MR-ST			
<b>4</b>	Front brush guard - to control debris discharge for sweepers without collector	SPL 11545	SPL 13045	SPL 15045	SPL 16545
<b>5</b>	Collector box. with dual cylinder hydraulic emptying	SSB 11545	SSB 13045	SSB 15045	SSB 16545
<b>6</b>	Chain sprocket • for Sweepers with 45 cm Ø • speed increase when clearing snow	KDZ 1250			
<b>7</b>	40cm. Gulley brush with variable speed, hydraulic drive, spring loaded collision protection, storage position and keystone adjustment	ASH 4045 M - Mechanical drive brush ASH 4045 H - Hydraulic drive brush			
<b>8</b>	Side marker lights - red and white lens -12v - to indicate sweeper width	BG-LEUCHTEN			
<b>9</b>	Side warning flags - to indicate sweeper width	WA-FLAG			
<b>10</b>	Water tank kit mounted on sweeper or Linkage - 100/ 200 litres c/w nozzle rail and 12v/24v submersible water pump	WAS 100 AUF - 100 litre tank (on sweeper) WAS 200 KAT 1 - 200 litre tank			

# MECHANICAL DRIVE **KM 11545 M** **KM 13045 M** **KM 15045 M** **KM 16545 M**

<b>Working width</b>	115cm	130cm	150cm	165cm
<b>Weight - with collector</b>				
<b>Oil flow required to operate</b>	20l/min	20l/min	20l/min	20l/min
<b>Diameter brush with 5 rows</b>	45cm	45cm	45cm	45cm
<b>Collection capacity - when fitted</b>				

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### 1 Hydraulic Angling

The KM 45 series sweepers come with mechanical angling as standard. The **Hydraulic angling** option replaces the manual angling system with a hydraulic cylinder 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. This accessory requires a double acting hydraulic service to operate.



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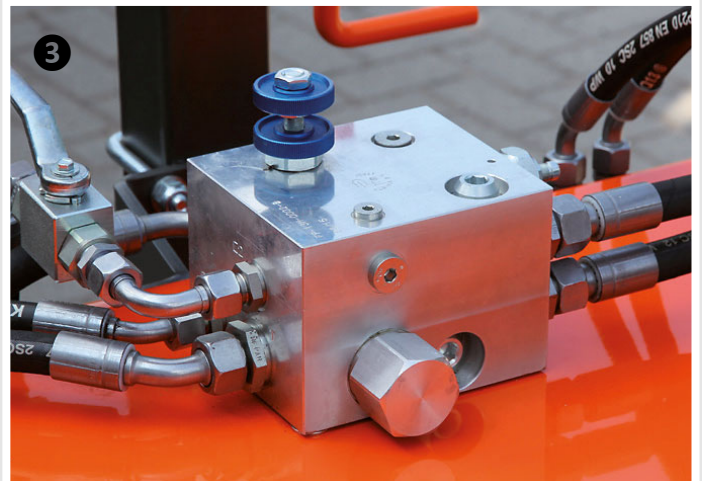


### 2 Electric remote control solenoid valves. Cab mounted

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 Flow Control Valve

The KM 45 series sweepers are designed to deal with large heavy debris. But some materials require the speed of the brush to be slowed, for example slower rotation of the brush will reduce the dust flicked up by sweeping. The flow control valve allows you to adapt the speed of the brush to the task at hand by limiting the amount of hydraulic flow reaching the brush. **Only available for the hydraulic version.**





#### 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. The collector is made from hard PV Plastic.



#### 6 Chain Sprocket

The KM 45 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.



## 7 Gully brush - Mechanical or Hydraulic - 40cm diameter

Keeping the edges clean and crisp really makes an impact. The powerful 40cm 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 45 series sweepers can be fitted with a 100 litre tank fitted to the sweeper or 200 litre water tank kit fitted to the tractor rear 3 point linkage 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 ground; pre-wetting the dust before it is swept up by the brush.



### Mounting options for Kersten KM 45 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 manufacturers. Precise details of mounting vehicle should be supplied to ensure correct fitment.

**ABR 45 DP** - Tractor front linkage with link arms.

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

**ABR 45 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 45 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.

**ABR 45 US** - John Deere Quick tach Linkage. The bracket is fixed to the sweeper because tractor front linkage provides float for the sweeper.

