

SCARAB M6

DIMENSIONS, WEIGHT, CAPACITIES



All Dimensions in mm



Dimensions representative and may vary according to chassis type selected

GENERAL DATA

Chassis Requirement	15-18 Tonne GVW
Wheelbase	3260mm-3900mm
Overall Length*	6100mm
Overall Height*	3100mm
Max Height Hopper Up*	4735mm
Discharge Height*	1000mm
Discharge Angle	55 degrees
Door Opening Angle	90 degrees
Filter Mesh Type	Perforated Stainless Steel
Low Pressure Pump Output	22.7 lpm / 4.8 bar
Hydraulic Suction Filtration	125 micron
Hydraulic Return Filtration	20 micron
Fan Pump Displacement	45cc / rev
Gear Pump(s) Displacement	19cc / rev
Suction Fan Capacity	8300 ft ³ /min / 235m ³ /min
Suction Fan Diameter	905.5mm
Sweeping Speed	0-20mph / 0-32kph

SWEEPING EQUIPMENT

Side Brush Diameter	600mm
Widesweep Brush Diameter	400mm
Side Brush Speed	0-125rpm Fully Variable
Widesweep Brush Speed	0-125rpm Fully Variable
Side Brush Life Expectancy	80 Working Hours
Widesweep Life Expectancy	150 Working Hours
Suction Tube Diameter	250mm
Nozzle Width	740mm

CAPABILITIES

Hopper Voided Volume**	6.35m ³
Hopper Payload Volume**	5.65m ³
Actual Payload Capacity*	4500 - 9000kg
Fuel Tank Chassis*	150 litres
Fuel Tank Auxiliary Engine	120 litres
Water Tank	1250 litres
Hydraulic Tank	45 litres

*Dependent on chassis selected

**All Scarab Hopper Capacities are measured in accordance with European Standard EN15429

TECHNICAL SPECIFICATION

SCARAB M6

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SKID UNIT

Supplied as a fully-functioning Skid Unit ready for fitment onto the customer's chassis.

TWINDRIVE SYSTEM

The Twindrive System utilises a Deutz TCD 3.6 EU Stage IIIB secondary engine driving pumps to operate all hydraulic sweeper functions, while retaining the conventional chassis transmission, allowing seamless transition between sweeping and travel modes - sweep speed from 1.6 mph (2.5kph) up to 15-20mph (20-32kph).

SUCTION FAN

- 905.5mm diameter
- Up to 2000rpm, low noise. 2000rpm boost, hi-power.
- Capacity 8300 ft³/min (235m³/min)
- Stainless steel standard

SUCTION NOZZLE

- Robust all-steel construction
- 740mm mouth width
- 250mm diameter suction tube
- Adjustable wear-resistant flaps
- Low-Pressure water jets
- Heavy Duty rubber-tyred wheels
- Hydraulic tilt

BRUSHES

- 600mm diameter steel-tined side brushes
- 400mm diameter polypropylene-segmented widesweeper
- Fully proportioned variable speed to all brushes from 0-125rpm in the cab

HOPPER

- 6.35m³ gross hopper volume, constructed entirely of corrosion-resistant stainless steel
- Hydraulically-operated rear door with safety check valve
- Twin side loading doors
- Automatic self-deploying hopper

- Twin body drains at different levels
- Auto-blanking flaps to suction tube
- Stainless steel swing-down mesh suction filter screen
- Access for suction fan cleaning

HYDRAULIC SYSTEM

- In plated steel piping where possible
- 10 micron filters to ensure maximum protection
- Hydraulic valve block in easily accessible location
- 45 litre steel oil tank with 10 micron return filter
- Low oil automatic shut-off
- Sight glass

WATER SYSTEM

- Self-priming low pressure water pump for dust suppression
- Solenoid-controlled valving from the CANbus system

WATER TANK

- 1250 litre GRP water tank with large access lid for cleaning
- Sight glass with level indicator

SWEEPING WIDTHS

Suction Nozzle only	740mm
Suction Nozzle and Side Brush	1135mm
Suction Nozzle, Side Brush and Widesweep	2505mm
Both Nozzles, Both Side Brushes and Widesweep	3200mm

OPTIONS

A comprehensive Options List is available for the M6, including Hi-Volume Pumps, Water Tanks and more.

Please contact the Scarab Sales Department for more information.

- Hydrant connector with regulation air break

PNEUMATIC SYSTEM

- Fitted with a pressure regulator, filter/ water separator
- Pneumatic solenoid valves to control the side brush, wide sweep brush, suction nozzle and gear change
- Located for easy servicing in a protected compartment

CAN BUS CONTROL

The Scarab proven CANbus system, in service since 2003, offers a compact panel adjacent to the driver's seat which contains all controls for operating the main sweeper functions. The LCD screen displays relevant operating data and provides system diagnostics and a fault-finding facility. The Satellite control panel - for frequently used operations - is mounted conveniently to hand, and incorporates the forward/reverse selector.

PM CERTIFICATION

The Scarab M6 has been awarded a 4* EUnited PM 10/2.5 certification.

