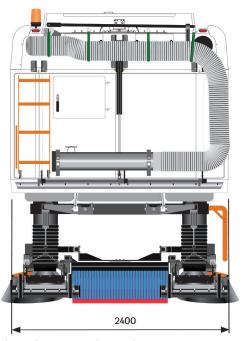
SCARAB M6 DIMENSIONS, WEIGHT, CAPACITIES



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**	5.65m³
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

Scarab Sweepers Ltd,
Pattenden Lane, Marden,
Kent. TN12 9QD
Tel: +44 (0)1622 831006
Fax: +44 (0)1622 832417

www.scarab-sweepers.com

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 polypropylenesegmented widesweeper
- Fully proportioned variable speed to all brushes from 0-125rpm in the cab

HOPPER

- 6.35m³ gross hopper volume, constructed entirely of corrosionresistant 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

OPTIONS

3200mm

Both Nozzles, Both Side Brushes and Widesweep

> 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.

PNEUMATIC SYSTEM

air break

• Fitted with a pressure regulator, filter/ water separator

• Hydrant connector with regulation

- Pneumatic solenoid valves to control the side brush, wide sweep brush, suction nozzle an 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.





