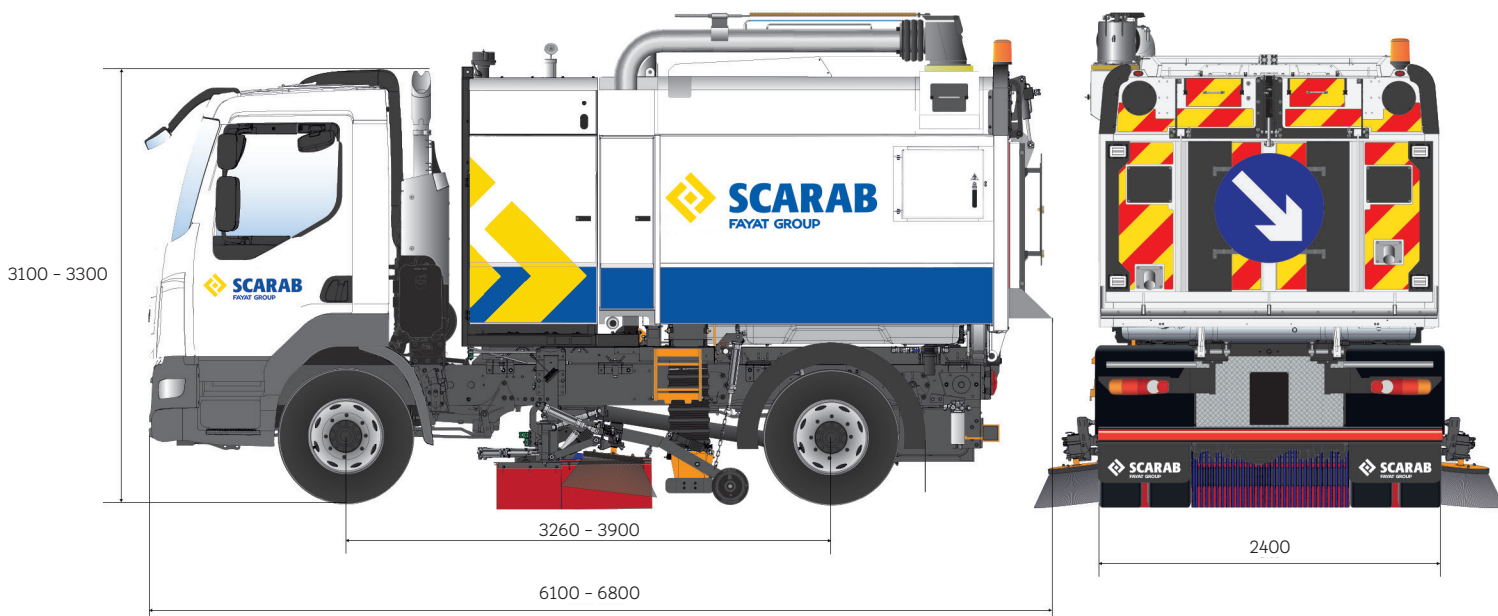


MAVEN 65

DIMENSIONS, WEIGHT, CAPACITIES



All dimensions are in mm



Dimensions representative and may vary according to chassis type selected

GENERAL DATA

Chassis Requirement	12-18 Tonne GVW
Wheelbase	3260mm-3900mm
Overall Length*	6100mm
Overall Height*	3100mm
Discharge Height	1000mm
Discharge Angle	55 degrees
Door Opening Angle	90 degrees
Filter Mesh Type	Perforated Stainless Steel
Low Pressure Pump Output	26 lpm / 3 Bar
Hydraulic Suction Filtration	125 Micron
Hydraulic Return Filtration	20 Micron
Fan Pump Displacement	60cc / rev
Gear Pump(s) Displacement	23cc / rev
Suction Fan Capacity	7065 ft³/min / 200m³/min
Suction Fan Diameter	745mm
Sweeping Speed	0-20 mph / 0-32 kph

SWEEPING EQUIPMENT

Side Brush Diameter	650mm
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	720mm

CAPABILITIES

Hopper Voided Volume**	6.5m³
Hopper Payload Volume**	5.8m³
Actual Payload Capacity*	4500 - 9500kg
Fuel Tank Chassis*	200 litres
Water Tank*	1250 - 1900 litres
Hydraulic Tank	80 litres

* Dependent on chassis selection
 ** All Scarab Hopper Capacities are measured in accordance with European Standard EN15429

TECHNICAL SPECIFICATION

MAVEN 65

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

www.scarab-sweepers.com

TWINDRIVE SYSTEM

The Twindrive System utilises a Deutz TCD 3.6 L4 HP Stage V 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

- 745mm diameter
- Fan speed variable from 2300 – 3100rpm
- Capacity 8300 ft³/min (235m³/min)
- Stainless Steel standard

SUCTION NOZZLE

- Robust all-steel construction
- Quick release system
- 720mm mouth width
- 250mm diameter suction tube
- Adjustable wear-resistant flaps
- Low-Pressure water jets
- Heavy Duty rubber-tyred wheels
- Hydraulic tilt

BRUSHES

- 650mm diameter steel-tined side brushes.
- 400mm diameter polypropylene-segmented widesweep
- Fully proportional variable speed to all brushes from 0-125rpm from the cab

HOPPER

- 6.5m³ gross hopper volume, constructed entirely of corrosion-resistant stainless steel
- Hydraulically-operated rear door with safety check valve
- Automatic self-deploying hopper prop
- Dual - rear body drain
- Auto-blanking flaps to suction tubes
- 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
- 80 litre steel oil tank with 10 micron return filter
- Low oil automatic shut-off
- In-cab water level indicator

WATER SYSTEM

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

WATER TANK

- 1250 litre GRP water tank with access lid for cleaning
- Sight glass with fill level indicator
- 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 and suction nozzle.

SWEEPING WIDTHS

Suction Nozzle only	720mm
Suction Nozzle and Side Brush	1350mm
Suction Nozzle, Side Brush and Widesweep	2345mm
Both Nozzles, Both Side Brushes and Widesweep	3600mm

OPTIONS

A comprehensive range of options are available for the Maven 65 including Overhead Boom, High-pressure water pump, Auxiliary channel brush and more.

Please contact the Scarab Sales Department for more information.

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 Door-pod control panel - for frequently used operations - is mounted conveniently to hand.

PM CERTIFICATION

The Maven 65 has been awarded a 4* EUnited PM10/2.5 certification.

