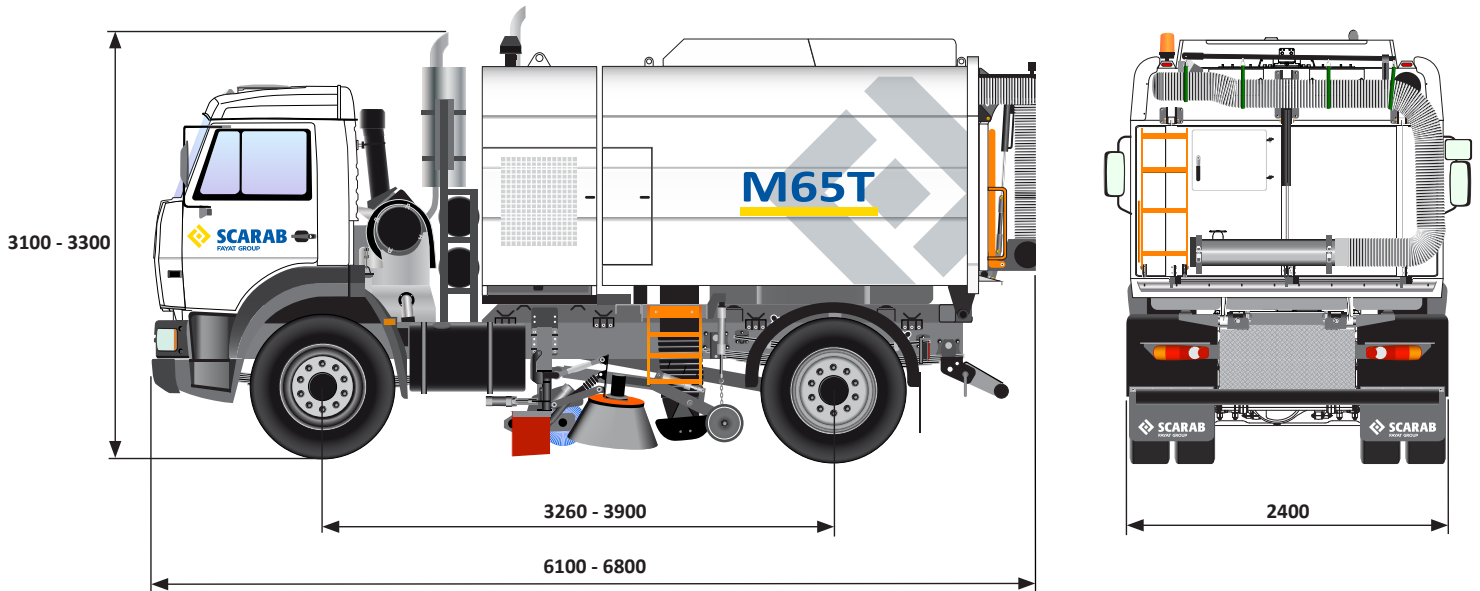


All Dimensions in mm



Dimensions representative and may vary according to chassis type selected

General Data

| | |
|------------------------------|---|
| Chassis Requirement | 12-18 Ton 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 / 235 m ³ /min |
| Suction Fan Diameter | 905.5mm |
| Sweeping Speed | 0-20mph / 0-32 kph |

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 |

Capacities

| | |
|----------------------------|--------------------|
| 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

Twindrive System

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

Suction Fan

905.5mm diameter
2200rpm Standard, low noise. 2400rpm 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 widesweep
Fully proportional variable speed to all brushes from 0-125rpm from in the cab

Hopper

6.35m³ Gross Hopper Volume, constructed entirely of corrosion-resistant stainless steel
Hydraulically-operated rear door with safety check valve
Automatic self-deploying hopper prop
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
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 CAN Bus system

Water Tank

1250 litre GRP water tank with access lid for cleaning
Sight glass with 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
Located for easy servicing in a protected compartment

CAN Bus Control

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

Sweeping Widths

Suction Nozzle only

Suction Nozzle and Side Brush

Suction Nozzle, Side Brush and Widesweep

Both Nozzles, Both Side Brushes and Widesweep

Options

A comprehensive Options List is available for the M65T, including Hi-Volume Pumps, Rear Overhead Booms and many others. Please contact the Scarab Sales Department for more information

