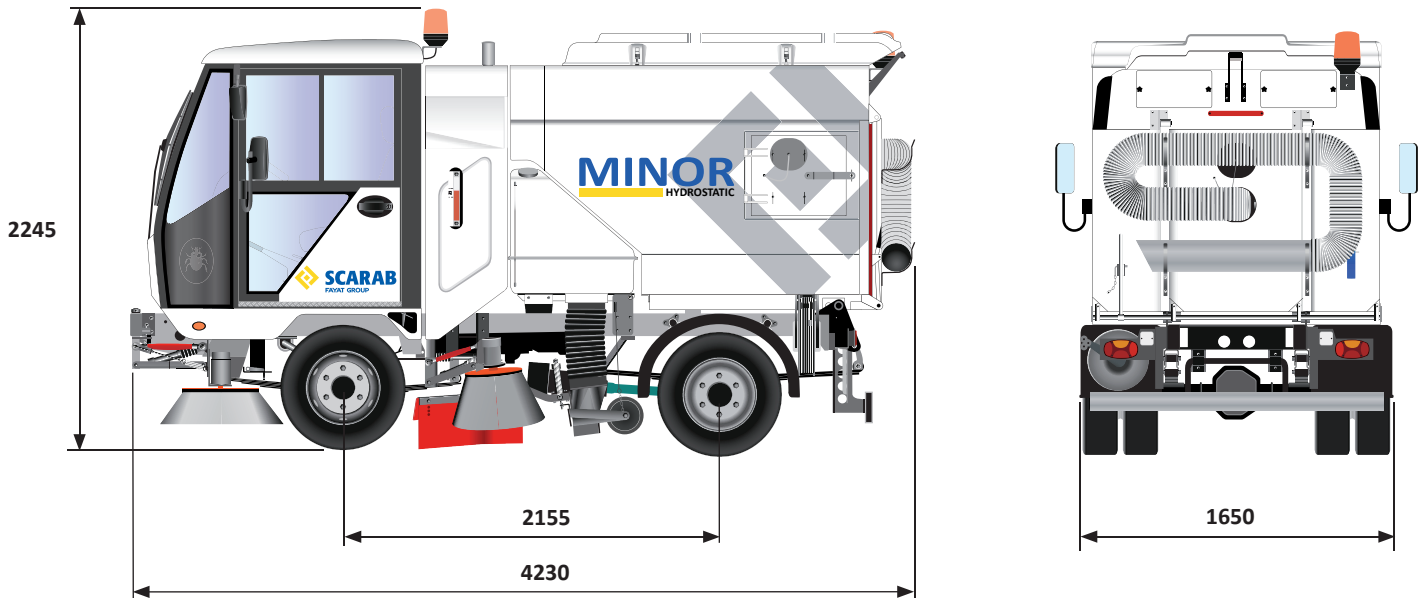


All Dimensions in mm



Dimensions representative and may vary according to chassis type selected

General Data	
GVW	3.5 or 4.2 Tons
Wheelbase	2155mm
Overall Length*	4230mm
Overall Height*	2245mm
Max Height Hopper Up*	3235mm
Discharge Height*	750mm Std, 1600mm Hi-Tip
Discharge Angle	45 degrees
Door Opening Angle	90 degrees
Filter Mesh Type	Perforated Stainless Steel
Low Pressure Pump Output	12 lpm / 3.5 Bar
Hydraulic Suction Filtration	125 Micron
Hydraulic Return Filtration	20 micron
Fan Pump Displacement	45cc / rev
Gear Pump(s) Displacement	23cc / rev
Suction Fan Capacity	6000 ft <sup>3</sup> /min / 170m <sup>3</sup> /min
Suction Fan Diameter	700mm
Sweeping Speed	0-20mph / 0-32 kph

Sweeping Equipment	
Front Brush Diameter	700mm
Sid Brush Diameter	500mm
Widesweep Brush Diameter	320mm
Brush Speeds	0-125rpm Variable
Side/Front Brush Life	80 Working Hours
Widesweep Life	125 Working Hours
Suction Tube Diameter	200mm
Nozzle Width	490mm

Capacities	
Hopper Voided Volume**	2.0m <sup>3</sup> Std
Hopper Voided Volume**	1.6m <sup>3</sup> Hi-Tip
Actual Payload Capacity*	750 - 1500kg
Fuel Tank	60 litres
Water Tank	420 litres
Hydraulic Tank	25 litres
Engine Capacity	3.0 litres

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

Engine Data			
Type	VM Motori R754EU5	Power/Torque	62kW/270Nm
EU Emissions Level	Euro V	Aspiration	Turbocharged/Intercooled

## Hydrostatic System

Infinitely variable speed control to optimise sweeping  
 Engine needs only to be running at low RPM ensuring long life  
 Selection of hydrostatic forward and reverse by single lever  
 Vehicle speed from zero up to 40 mph (0 - 65 kph)  
 20% gradeability fully laden  
 Uses single (vehicle) engine to ensure low fuel consumption and emissions

## Suction Fan

700mm diameter  
 2000rpm Standard, low noise.  
 Capacity 6000 ft<sup>3</sup>/min (170m<sup>3</sup>/min)  
 Stainless Steel standard

## Suction Nozzle

Robust all-steel construction  
 490mm mouth width  
 200mm diameter suction tube  
 Adjustable wear-resistant flaps  
 Low-Pressure water jets  
 Heavy Duty rubber-tyred wheels

## Brushes

700mm diameter polypropylene front brushes  
 500mm diameter steel-tined side brushes  
 320mm diameter polypropylene-segmented widesweep  
 Variable speed to all brushes from 0-125rpm controllable from the cab

## Hopper

2.0 or 1.6m<sup>3</sup> Gross Hopper Volume, constructed entirely of corrosion-resistant stainless steel  
 Manually-operated rear door with safety prop  
 Twin side loading doors  
 Safety hopper prop  
 Body drains at rear of hopper  
 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  
 25 litre steel oil tank with 10 micron return filter  
 Low oil automatic shut-off  
 Sight glass

## Water System

Electric low pressure water pump for dust suppression  
 Solenoid-controlled valving from the CAN Bus system

## Water Tank

420 litre GRP water tank with large access lid for cleaning  
 Sight glass with level indicator  
 Tilttable to allow easy maintenance access

## Ergonomic Cab

The fully-appointed sound insulated and rubber mounted cab includes cloth upholstered driver's and passenger seats, laminated winscreen and sliding windows in each door plus a lower glazed panel in each door for extra visibility. The cab tips for easy engine access.

## 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, and incorporates the forward/reverse selector

## Sweeping Widths

Suction Nozzle only	550mm
Suction Nozzle and Side Brush	850mm
Suction Nozzle, Side Brush and and Widesweep	1570mm
Front Brush, Suction Nozzle, Side Brush and Widesweep	1740mm
Both Front Brushes, Suction Nozzle Side Brush and Widesweep	2170mm
Dual Sweep, all Brushes deployed	2340mm

## Options

A comprehensive Options List is available for the Minor, including Dual Sweep configuration. Please contact the Scarab Sales Department for more information