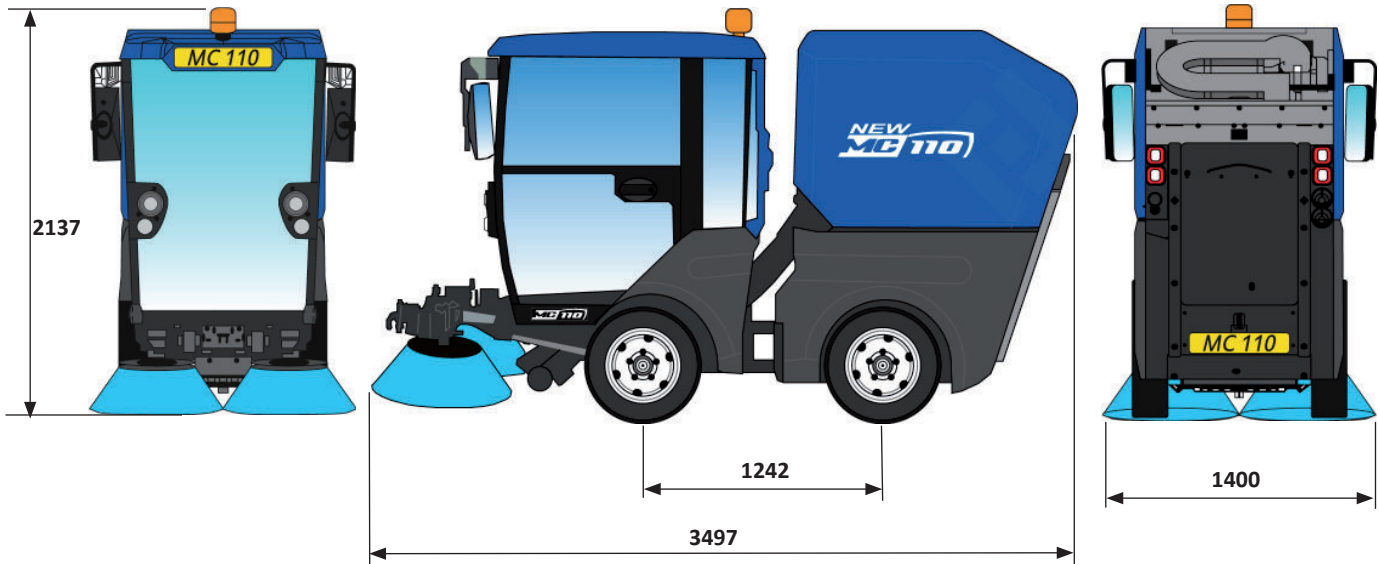


All Dimensions in mm



*Dimensions representative and may vary according to options selected

General Data	
GVW	2.4 Tonnes
Wheelbase	1242mm
Overall Length*	3497mm
Overall Height*	2137mm
Discharge Height	1450mm
Discharge Angle	90 degrees
Fuel Consumption	3.5 l/h in mixed conditions
Noise External	100 LWA dB (A)
Noise Internal	71 LpA dB (A)
Turning Radius-Kerb to Kerb	1.81 m
Turning Radius- Wall to Wall	2.07 m
Sweeping Speed	0-7 kph (0-4.3 mph)
Travel Speed	25 kph (15.5 mph)
Steering	Articulated
Gradeability	Up to 30%
PM10 Rating	3 Stars

Sweeping Equipment	
Front Brush Diameter	700mm
Brush Speeds	Fully Variable
Brush Control	Joystick
Front Brush Life	80 Working Hours
Sweep Rate (m ² /h)	12600 (theoretical max)
Suction Tube Diameter	150mm
Nozzle Width	480mm
Nozzle Material	Stainless Steel

Capacities	
Hopper Volume	0.7m ³
Actual Payload Capacity	Up to 500kg
Fuel Tank	45 litres
Water Tank	140 litres
Hydraulic Tank	45 litres

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

Engine Data			
Type	Kubota Diesel or Petrol Engine	Max Power	26.2 or 35kW @ 3000rpm
EU Emissions Level	Tier 4/Stage IIIA or EPA Tier 3	Aftertreatment	Silencer or Catalyst

Hydrostatic System

Infinitely variable speed control to optimise sweeping
Selection of hydrostatic forward/reverse by single lever
Vehicle speed from zero up to 15.5 mph (0 - 25 kph)
30% gradeability fully laden
The MC 110 has three pre-defined working speeds that handle the different sweeping tasks which the operator encounters daily: an EcoMode, a standard mode and a BoostMode limited to 10 minutes of use. 80% of common sweeping tasks are handled with Eco-Mode.
Using this working mode gives you up to 50% fuel saving, less noise pollution and extends the working life of the sweeper

Suction Nozzle

Robust stainless steel construction
480mm mouth width
150mm diameter suction tube
Adjustable wear-resistant flaps
Low-Pressure water jets

Brushes

700mm diameter polypropylene front brushes
Variable speed to all brushes controllable from the cab

Hopper

Hopper Capacity 0.7m³ constructed entirely of corrosion-resistant stainless steel 4016
Hydraulically-operated hopper
Access panels at both sides of hopper
Easy access for cleaning

Hydraulic System

Zinc plated steel piping where possible
Filters to ensure maximum protection
Hydraulic valve block in easily-accessible location
45 litre oil tank with return filter

Water System

Clean Water 140 litres
Recycling System 100 litres

A reduction in clean water consumption achieved by a water recycling system that re-injects used water from the hopper into the suction nozzle combined with a precise amount of clean water sprayed onto the brushes and the nozzle

Water Tank

140 litre integral water tank with fill level indicator

Ergonomic Cab with 360 ° Vision

At the wheel the operator is in complete control of their environment, with the high driving position giving unparalleled visibility through an extra-low windscreen, glass panelled doors with thin door beams, panoramic rear view mirrors, rear view quarter-panels, a nozzle camera and reversing camera

Electronic Control

The proven electronic control system brings all controls ergonomically to hand with a compact panel mounted on the driver's armrest containing all controls for operating the main sweeper functions
Bright head-up displays show relevant operating data

Sweeping Widths

1380 - 1800mm

12600m²/hour theoretical sweeping rate

Low-Noise

Thanks to the use of effi-silence technology, reduced noise power units and quality soundproofing materials, the acoustic power and pressure level of the sweeper have been reduced

Low CO₂ Emissions

Through the use of low speed diesel and petrol power units and activation of EcoMode at the start of each work cycle

Recyclability

The mechanical components are composed of 90% steel, cast iron, aluminium, copper and glass and are entirely recyclable. The plastic parts can be processed by specialists

Options

Various options are available for the MC 110 - please contact the Scarab Sales Department for further information