

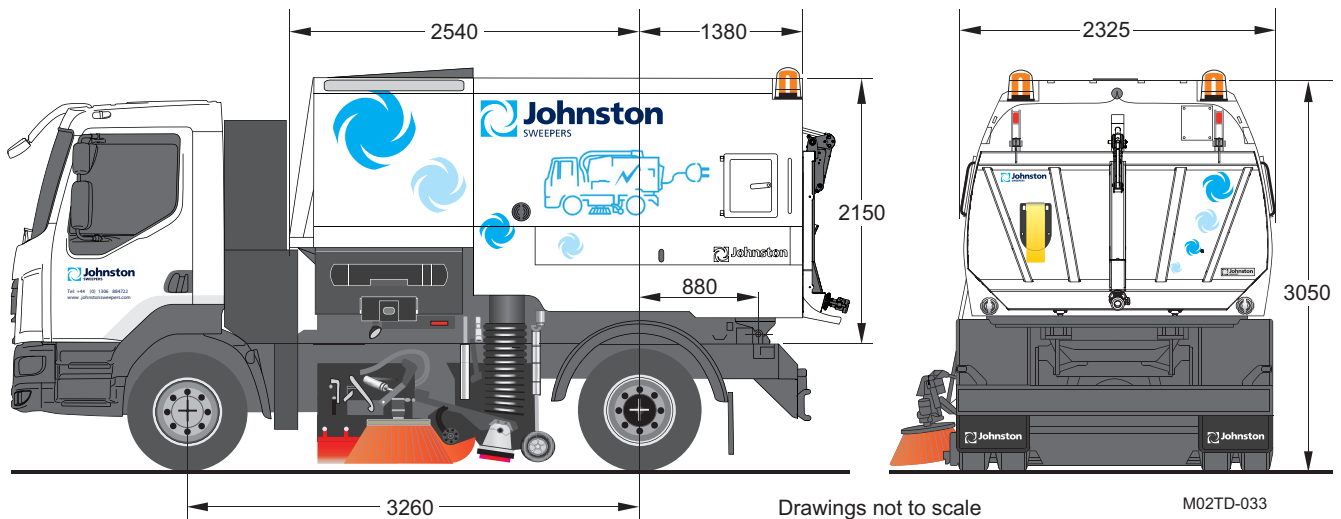
# Specification Sheet

## VE652 SWEEPER

**Series** VE652 Electric Sweeper  
**Subject** Technical Information and Data

Sheet 1 of 1  
 Revision: A  
 Date: 29.05.2019

Dimensions in mm



### Data and Performance Information

Battery Data	
Type	Lithium-Ion Ferro Phosphate (LiFePO <sub>4</sub> )
Voltage (Nominal)	600 V
Capacity	200 kWh
Sweeping Range	Up to 8 hours - EN15429-2
Transit Range	200 km

Charging System	
Charging Cycles	2000
Charging Socket	Type 2
Charge Cable Options	63 A 5 Pin 3-Phase - Charge time - 5 hrs 32 A 5 Pin 3-Phase - Charge time - 10 hrs

Capacities	
Hopper voided volume	6.5 m <sup>3</sup> nominal
Payload capacity	6 Tonnes (options dependent)
Water tank	1554 litres
Hydraulic system	61 litres

Sweeping Equipment	
Channel brush (CB)	Ø 500 mm (Ø 650 - 710 mm Option)
Wide sweep brush (WSB)	Ø 406 mm
Nozzle trunking diameter	Ø 250 mm
Nozzle width	750 mm

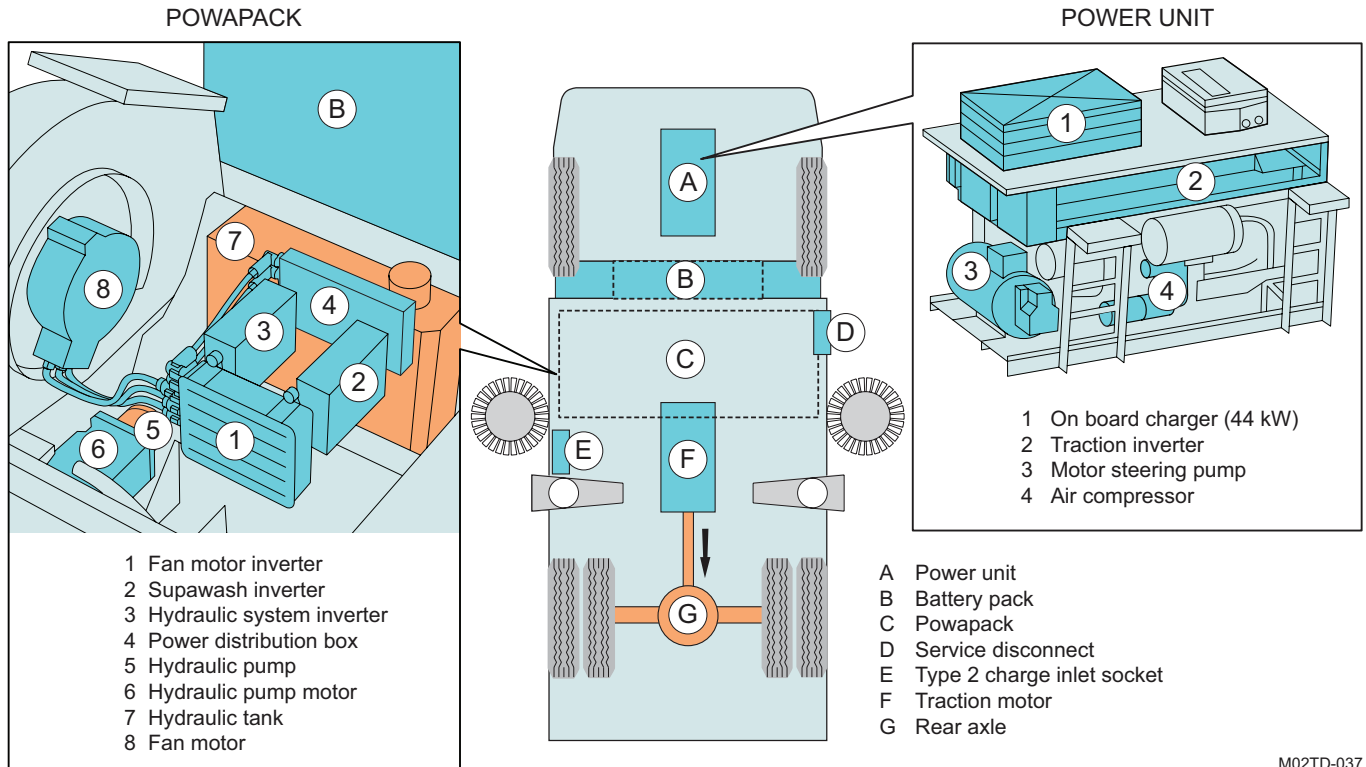
General Data	
Chassis requirement	16 Tonnes
Wheelbase	3260 mm
Discharge height	950 mm
Discharge angle	54° nominal
Door opening angle	125° nominal
Dust spray pump output	Up to 35l/min
Dust spray water pressure	3.5 bar
VE Transit	0 - 90 km/h
VE Workmode	0 - 18 km/h

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Due to continuous product development Johnston Sweepers reserves the right to alter specifications without prior notice.

# Technical Specification



M02TD-037

## Base specification

(Full build unit only)

### Performance data

#### Channel brush:

Quick release brush system with infinitely variable speed up to 160 rpm (cab controlled). Hi-visibility yellow brush plate and hose guide

#### Nozzle:

Cast aluminium nozzle with 250 mm diameter inlet and tool free adjustment.

#### Wide sweep brush:

Quick release brush system with a nominal 160 rpm rotation speed.

#### Dust suppression system:

Dust suppression sprays located at suction nozzle(s), channel brush(es) and across front of vehicle. Pressadrain water purging system.

#### Electrical system:

600V High Voltage System with orange high voltage cables.  
Full electric drive for Suction Fan (and Supawash option) with electric

motor driving hydraulic motors for the sweepgear.

Supplied with cable for charging from public charging stations or a dedicated charge point.  
On-board 44 kW charger.

#### Controls:

Centre cab mounted master control panel with Johnston Video Monitor (JVM) providing information on a wide range of sweeper functions plus data capture download. Up to four optional cameras can also be viewed on the JVM screen. Separate palm rest controller housing controls for the main sweeping functions is mounted on the door side.

#### In cab noise:

TBA

#### Exterior noise / Sound power level:

TBA

$L_{WA}$  measured in accordance with EC directive 2000/14/EC.

### Body & Cowl

Body comprises of hopper & integral water tank. Fabricated from heavy duty stainless steel plate.

Cowling is lined with frequency matched soundproofing material.

Water tank incorporates anti-surge baffles and filled via a type 'A' water hydrant fill. A twin diaphragm pump runs continuously and is able to run dry. Water tight twin lock rear door latching system with de-watering function. Two body side access doors and side storage lockers.

Plug in hopper floor as transfer port for use as Streetwasher.

Rear discharge chute, automatic multi position body prop, twin caged rear beacons and LED worklights are standard features.

A comprehensive range of additional options is available. Please ask for details.

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