

Specification Sheet

CN101 SWEEPER

Series CN101

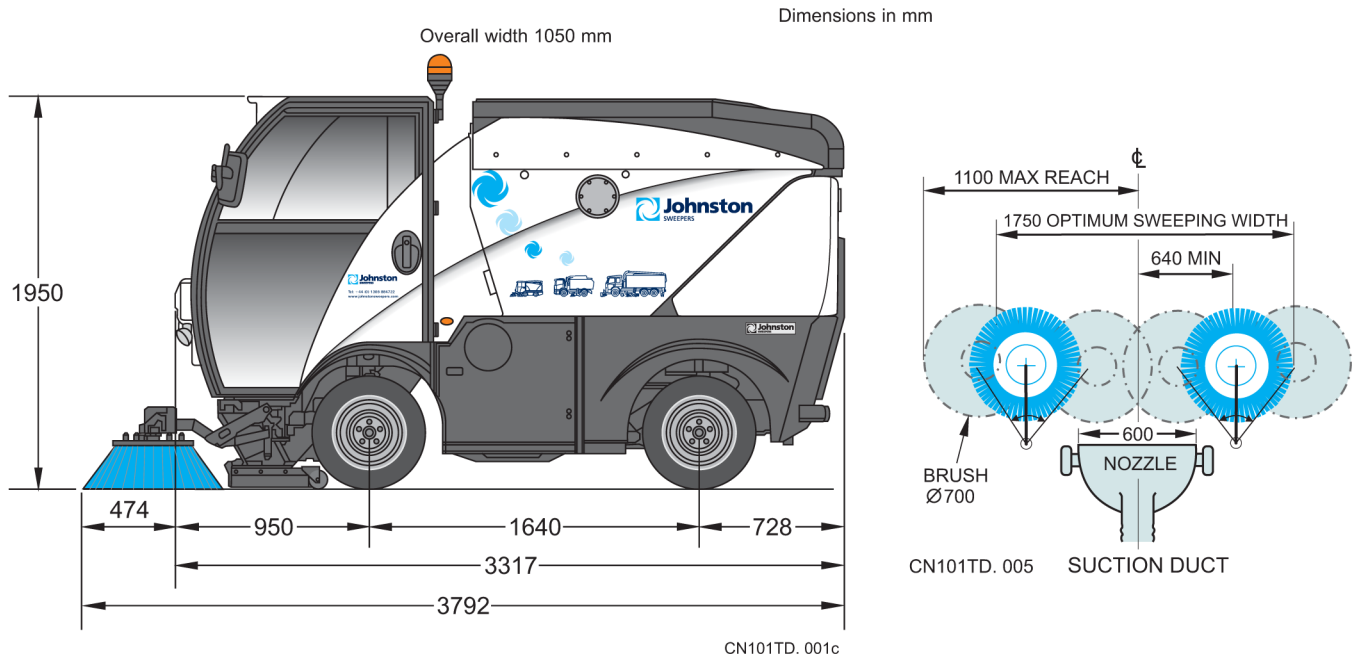
Sheet 1 of 1

Subject Technical Information & Data

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Data and Performance Information

Engine Data	
Model	Deutz D2011 L03i Direct injection, Oil cooling
Cubic capacity	2.33 litres
No. of cylinders	3 in line
Gross rated power	31 kW @ 2300 rev./min.
Maximum torque	137 Nm @ 1700 rev./min.
Legislation compliance	Meets EU RL 97/68/EC Stage 3A; 2004/26/EC

Performance	
Tare Weight	1800 kg
GVM - Standard machine	2400 kg
Payload	600 kg. - Dependant on options
Maximum speed	25 km/h
Optimum sweeping width	1800 mm
Gradeability	20 % fully laden

Sweeping Equipment	
Brush diameter	700 mm
Brush speed	Infinitely variable up to 120 rev./min.
Nozzle width	600 mm
Sweep rate/output @ 12 km/h	26,400 m ² /hr (max. sweeping width)
Sweeping width	1500 - 2200 mm
Hopper discharge height	1.35 m

Capacities	
Hopper voided volume	1.0 m ³
Fuel tank	55 litres
Clean water tank	225 litres
Recirculation system	100 litres
Total water system	325 litres

Technical Specification

Transmission:

Full hydrostatic transmission with closed loop circuit and variable angle swash plate piston pump. Maximum speed up to 25 km/h.

Engine Control:

Mechanical engine control. Forward / reverse selection with lever on the steering column.

Electrics:

12 volt system with 60 amp alternator.

Suspension:

Front: Coil springs with hydraulic dampers.

Rear: Double cone rubber springs.

Steering/Drive:

Front wheel steering and drive

Kerb to kerb:

Turning circle 6.0m.

Standard - Fitment:

4-wheel-steering mode

Kerb to kerb:

Turning circle 3.9m.

Tyre Size:

Front: 165/70 R13C.

Rear: 165/70 R13C.

Brakes:

Front: Hydrostatic transmission braking.

Rear: Hydraulic drum brakes with integral parking brake.

Parking: Hand lever parking brake.

Noise:

In cab: Noise between 72 – 75 dB(A) depending on operating speed.

External: Average SPL < 80 dB(A) in work mode.

Impeller:

High pressure centrifugal fan unit mounted to hopper roof provides powerful suction means for the pickup nozzle and dust conveying system. Driven by hydraulic motor with integrated heavy support bearings. Dynamically balanced multivane low noise fan impeller with wear resistant self cleaning blades.

Hopper:

Hopper material 1.4003 stainless steel.

Volume 1m³ (net 0.8 m³).

Discharge height 1.35 m.

Discharge width 0.99 m.

With integrated recirculation water tank.

Nozzle:

Wheeled suction nozzle between axle, in front of the front wheels. Special trailed linkage allows nozzle to 'ride over' objects without damage. Selecting reverse automatically stows the nozzle to prevent accidental damage.

Cab:

Heater: Air filter for cab air.

3 level fan.

Air conditioning.

Visibility: 3 tier windscreen wiper system.

Interval + 2 stages. Screen cleaning system. Worklights as standard. Reverse light as standard. One 360° knockdown beacon. Heated windscreen & side mirrors.

Seating: Single Seat. Fully adjustable air suspension cloth covered driver's seat with adjustable back support.

Controls: Ergonomically designed for driver comfort with all switches located according to function. An arm rest contains all sweeping related controls. Automatically resettable directional indicators. Low beam light. In cab water taps for brushes and suction nozzle.

Vibration:

Soundproofed cab with a structural steel frame, mounted on hydraulic anti-vibration mounts.

Standard machine features:

1000 hour service intervals.

Fully PM10 EUnited Compliant

Vibration: All dynamic prime mover components have been resiliently mounted to minimise vibrations. Vibration levels in accordance with 89/392/EEC as amended & according to ISO2631-1 (Body-Vibrations) & EN ISO 5349-1 (Hand-Arm-Vibrations).

Reverse Warning:

Audible warning device with night silent override.

Safety:

High visibility safety prop with automatic deployment and manual retract, in addition to a hydraulic check valve.

Working Temperature:

50°C to - 20°C

Maximum Humidity:

90%

Supawash: High pressure washing hand lance & hose (11L/min @100bar) - 7.5 M Hose

CD/MP3 Radio

Air Conditioning

First aid kit

2kg dry powder fire extinguisher

2 point inertia lap seatbelt.

Options:

Spare Wheel

Wanderhose with 4.8m reach

Low pressure wash down hose

5.6 Inch colour flat screen with reverse camera system

Battery isolator

Poly-steel brush (in lieu of standard)

(Hydranthose, standpipe & key)