

Specification Sheet

C50 SWEEPER

Series Compact 50

Subject Technical Information & Data

Sheet 1 of 1

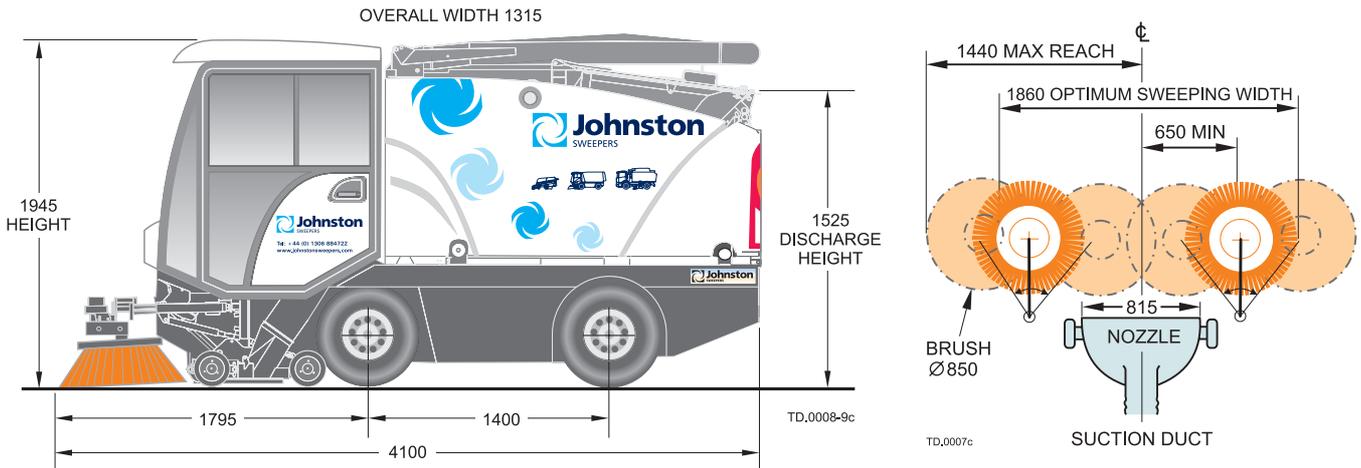
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Dimensions in mm



Data and Performance Information

Capacities	
Hopper voided volume	1.8m ³ , 4003 stainless steel hopper
Payload capacity	1.5m ³
Fuel tank	51 litres
Lost water tank	157 litres
Recirculation system	250 litres

Sweeping Equipment	
Brush diameter	850mm
Brush speed	Variable up to 125 rev/min
Nozzle width	815mm
Sweep rate/Output	29,760m ² /h (Theoretical)
Hopper discharge height	Suitable for tipping into 5m ³ skip

Engine Data	
Model	VM HR494HT3 indirect injection turbocharged diesel
Cubic capacity	2.776 litre
Gross rated power	68.5kW (93bhp) @ 3200 rev/min
Power - Operating	55kW (75bhp) @ 2300 rev/min
Maximum torque	230Nm (170lb.ft) @ 1900 rev/min
Legislation compliance	Meets Euro 3, emissions legislation Directive 1999/96/EC.

Performance	
Tare Weight	2700kg
GVM	4000kg
Payload	1300kg
Max speed	Up to 50km/h
Sweeping speed	0.5 to 16 km/h
Gradeability	Up to 30%

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Technical Specification

Transmission:

Full hydrostatic transmission with closed loop circuit and variable angle swash plate piston pump. Maximum transit speed up to 50 km/h. Sweeping speeds up to 16 km/h with cruise control for sweeping.

JET Engine Control:

Innovative Johnston microprocessor transmission control system providing full automotive drive in transit mode, forward / reverse selection with slower "tortoise" speed feature for sweeping applications with Anti-stall software.

Electrics:

12 volt system with 85 amp alternator.

Suspension:

Front: Fully articulated shock rubber mounted steering axle. Suspension by trailing wishbone with rubber cone springs and hydraulic dampers.

Rear: Swinging link suspension member with rubber cone springs.

New Glide Suspension Option:

Four wheel independent coil spring suspension with gas over oil dampers and a front mounted antiroll bar.

Steering:

Full hydraulic power steering.
Turning Circle 3850mm kerb to kerb.

Tyre Size:

Front: 6.50 R10 Radial Tyres.

Rear: 225/75 R10 Radial Tyres.

Wide profile tyres give low ground pressure.

Brakes:

Front: Servo assisted hydraulic drum brakes. with dual circuits between front and rear for added braking security.

Rear: Hydraulic drum brakes with integral parking brake.

Noise:

In cab: Noise between 72-74 dB(A), depending on operating speed.

External: Maximum L_{WA} of 105 dB(A) measured in accordance with Directive 2000/14/EC.

Impeller:

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

Cab:

Heater: Recirculating air type with face and floor level vents.

Visibility: Fully glazed with tinted safety glass. Electrically heated "Quick-clear" windscreen. Single pantograph twin speed plus intermittent windscreen wiper and screen washer.

Seating: Fully adjustable air suspension cloth covered driver's seat with adjustable back support. Rigidly mounted passenger seat.

Controls: Ergonomically designed for driver comfort.

Switches located according to function. Overhead console incorporating lighting switches, Wizard sweep monitor and radio. Central control deck containing instrument cluster and sweeping controls.

Standard machine features:

Attention Warning System: Alerts the driver in the event of a system problem.

Beacon: Standard rotating with knock down feature.

Independent brush control.

Radio Cassette: Stereo cassette with 45 watt dual cone speakers.

Reverse Warning: Audible warning device with night silent override.

Wheeled Nozzle: With non marking replaceable rubber tyres.

Wizard: Performance Monitor.

Options:

Air Conditioning.

Autolube grease system (Tecalemit).

CCTV reverse camera system.

Leaf flap on nozzle for ingestion of leaves.

Hingeable rear flap.

Hydrant hose, standpipe & key.

Radio/CD upgrade.

Rear Arrow board of 300mm diameter.

Rear Towing attachment.

Seat Belts.

Supawash: High pressure washing hand lance and pump (9 litre @ 68bar).

Spare wheel & jack.

Wanderhose: Roof mounted with 3.7m reach.

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