

Specification Sheet

RM655 SWEEPER

Series RM655

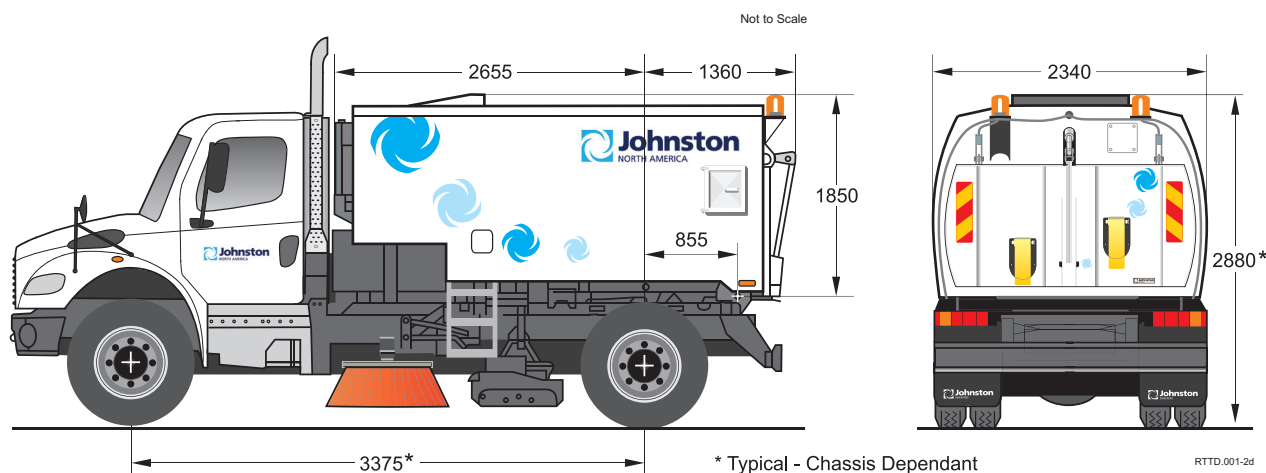
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Revision: A

Date: 06.02.2018

Subject Technical Information and Data

Dimensions in mm



Data and Performance Information

Capacities	
Hopper voided volume	6.55 m ³ (8.5 yds ³)
Payload voided volume	5.6 m ³ (7.3 yds ³)
Payload capacity	6 Tonnes (1300 lbs) chassis dependent
Hydraulic system	75 litres (20 US gal)
Water capacity	1100 litres (300 US gal)

Chassis Engine Data	
Model	Cummins ISL 9.0 – 300 HP
Cubic capacity	9 litres (550 in ³)
Gross rated power	300HP @ 220 rpm
Operational rpm	Variable between 1100-2000 rpm

Chassis Data	
Gearbox	Allison 3500 RDS
Rear Axle	6.50/8.87
Tyres	11R22.5
PTO Ratio	1:1.29

Sweeping Equipment	
Gutterbroom (GB)	Ø 1100 mm (43")
GB life expectancy	80 accumulated working hours (nom)
Pick up hood width	2350 mm (92.5")
Nozzle trunking diameter	Ø 350 mm (14")

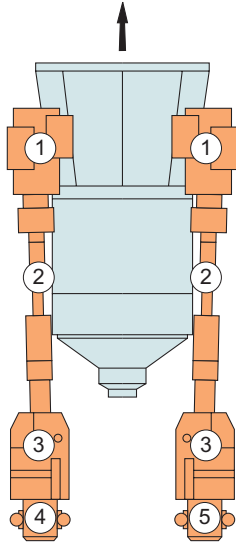
General Data	
Chassis requirement	13-15 Tonnes (Up to 33000 lbs)
Wheelbase	3375 mm nominal (133")
Dump height	1000 mm (nom) chassis dependent
Dump angle	55° nominal
Door opening angle	125° nominal
Filter mesh area	1.21 m ² (1.60 yds ²)
Dust spray pump output	Up to 35 l/min (9.2 US gal)
Dust spray water pressure	3-5 bar
Hydraulic suction filtration	125 micron
Hydraulic return filtration	25 micron
Hydraulic pump displacement	22 cc/rev. max output 32 lpm
Sweeping speeds	2-16 kph (1-9 mph) chassis dependent

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

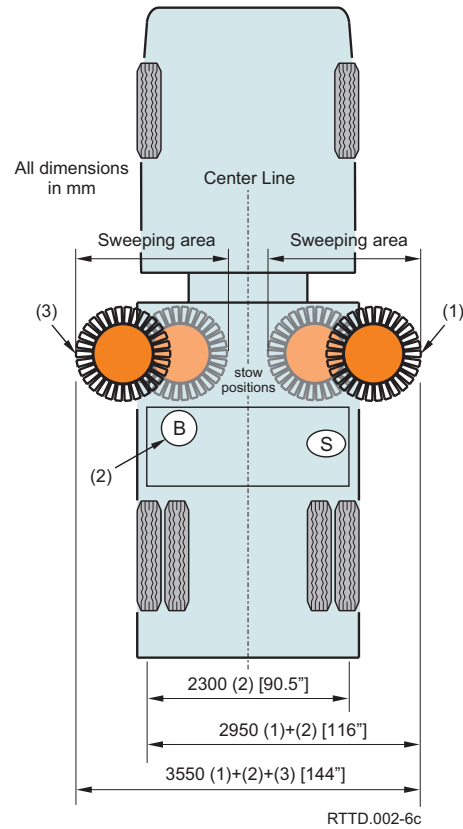


Technical Specification



RTTD-008-2

- 1 Chassis gearbox PTO
- 2 Drive shaft from gearbox PTO
- 3 Fan pump
- 4 Gear pump
- 5 Supawash (option)
- 6 Gear pump
- 7 Gutter broom/Low Pressure Water/Cooling fan



RTTD.002-6c

Base specification

Performance data

Exhauster fan:

Heavy duty, dynamically balanced impeller with multivane corrosion resistant blades. Operational speed between 2400 and 3000 rpm drive via a Hydraulic Motor

Side Brooms:

Quick release segmented brush system with variable speed and hardstop positioning. Up to 100rpm (cab controlled)

Pick up hood:

Low noise suction system with 350mm (14") diameter suction and blast hoses

Dust suppression system:

Dust suppression sprays located at the pick up hood, gutterbrooms and across the front of the pick up hood. Pressadrain water purging system.

Electrical system:

12 volt only.
All external loom connections are full automotive IP67 rated.

Controls:

Centre cab mounted master control panel with Johnston Visual Module (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.

In cab noise:

<75 dB(A) generally (dependent on chassis selection).

Exterior noise / Sound power level:

L_{WA} 110 dB(A) measured in accordance with EC directive 2000/14/EC.

Body

Comprises of hopper and cowl. Fabricated from heavy duty 4mm thick steel plate.

A separate water tank incorporates anti-surge baffles and filled via a type 'A' water hydrant fill.

A twin diaphragm water pump runs continuously and is able to run dry.

Single lock rear door latching system with de-watering function.

Rear discharge chute, twin rear caged beacons.

Automatic body propping mechanism.

Optional equipment

- Camera monitoring system.
- Hydrant layflat hose.
- Pneumatic mesh shakers.
- Rear mounted Wanderhose, 8 inch, hydraulically powered.
- Rear mudflaps.
- Rotatilt (with auto flatten).
- Supawash - high pressure washing system. Hand lance, slim hose reel, and front spraybar
- Rear LED Work lights.
- Bonded Intake Duct.
- Additional 700 litre water tank.
- Mesh shakers, air operated cleaning system.

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

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