



Specification Sheet

Johnston RT655 Sweeper

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SERIES: RT655 SWEEPER: 6.5 M³
DATE: FEBRUARY 2015
SHEET: 1 OF 3



Technical Specifications:

Capacity	
Hopper Voided Volume	6.5 m ³ nominal
Payload Voided Volume	5.1 m ³ nominal
Payload Capacity	2300 kg @ 11000 kg GVM Chassis 4000 -5000 kg @ 14000-15500 kg GVM Chassis
Fuel Tank	220 litres (includes 15 litres reserve)
Water Tank	900 litres
Hydraulic System	70 litres

Engine Data	
Model	Iveco N45 ENTX
Cubic capacity	4.5 litres
No. of cylinders	4
Gross rated power	104kW @ 2200rpm
Maximum torque	560Nm @ 1400rpm
Legislation compliance	Stage 3a NRMM Certied
Operational rpm	Variable between 1200 ~ 2000rpm
Sump capacity	10 litres
Ambient temperature	50°C world wide approval
Cold start capability	-15°C

Sweeping Equipment	
Channel Brush (CB)	Ø1000mm Steel Brush
Pick-up hood	2250mm (Overall, with Carbide skates)
CB life expectancy	80 ~ 100 hours
Nozzle trunking diameter	Ø350mm (14") suction/discharge
Sweep width across	Nozzle + 1 CB 2825mm Nozzle + 2 CB 3500mm

General Data	
Dual Control	Dual LH/RH Control is standard
Wheelbase	Approx. 3780mm (Subject to chassis selection)
Height of unit	2558mm @ 11000 kg GVM Chassis 2670mm @ 14000 kg GVM Chassis 2768mm @ 15000 kg GVM Chassis
Dump angle	55° full tip height
Door opening angle	125°
Filter mesh area	1.3m ³ (Large one piece)
Dust spray pump output	35 l/min
Dust spray water pressure	3.5 bar
Hydraulic Suction Filtration	125 micron
Hydraulic Return Filtration	25 micron
Hydraulic pump displacement	16.8 cc/rev. max output 33 litres

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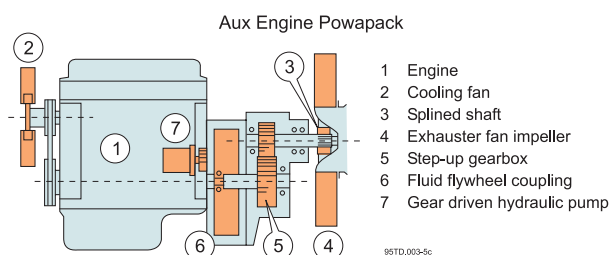
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Standard Features:

General	
Exhauster Fan (Wear Safe)	'HeviVane' design with low noise feature, dynamically balanced with 8 self-cleaning abrasion resistant blades. Operational Speeds >2450rpm @ 1400rpm engine speed >2850rpm @ 1600rpm engine speed >3200rpm @ 1800rpm engine speed >3500rpm @ 2000rpm engine speed Fluid drive oil capacity: 4.5 litres nominal Gearbox oil capacity: 1.75 Gearbox ratio: 1.79:1
Channel Brush	Two trailing channel brushes, one on each side are suspended from the subframe/chassis mount brackets. In-cabin Channel Brush, speed control adjustment for Variable rotation speed (10 – 100rpm).
Pick-up Hood (Nozzle)	Full width, rides on carbide skids and is spring suspended, with hydraulic lift. It is towed by chains – front and rear, attached to the chassis, allowing for forward and reverse material pick-up.
Dust Suppression System	The integrated body-mounted Sepa Vac system, automatically removes dust particles before the fan inlet, along with water sprays the suction duct system. This provides for "dust less sweep". Dust suppression sprays are also placed around the periphery of pick-up hood, channel brush and blower fan outlets. Optional extra water front bumper sprays. The Sepa Vac self cleans on-body dump and has water flush out system.
Electrical System	24 Volt The system initiates and controls all operational functions. The system is integrated with the base truck chassis for power and main 'master' control functions.
Controls	
Control System	Full centre Cabin mounted master Control Panel housing all sweeper functions, including a digital warning display panel indicating: Raised Hopper, Equipment fuel gauge, low level Hydraulics/Water, Max Payload and Aux Engine Tachometer.
E-pod	E-Pod sweep controls, ergonomically positioned and housing all main sweeper control functions, for ease of operation and comfort.
Body and Ancillaries	
Body	Comprises of Hopper and full engine Cowl. Fabricated from heavy duty welded Nyrosta stainless steel (4003) plate.
Rear Door	Water tight Seal with rear door latching system.
Access Doors	Twin, Fitted in the Side of Body (LHS / RHS) to allow for screen and body load inspection and wash out.
Water	Contains 2 x 450L plastic water tanks (900L Total) with water air gap filler/strainer filter and drain 'breather.' Each tank is fitted with 'low water sensor' and side level sight tube.
Fuel	Features a central plastic fuel tank with lockable filler (kerb side) and fuel level gauge to support both chassis and auxiliary engine with large 220L capacity (includes 15L reserve).

Standard Options

Rear Discharge Chute
Rear Beacon with Guard (Right Hand Side)
Automatic, Self deploying, Multi-Position Body Prop
Supawash – High Pressure 32 L/min @ 100 bar, with Hand Lance and Hose Reel
Powathrust/Powasave
LED Work and Tail Light Systems
Powapak Walkway and Ladder (Not available 11000 kg Chassis)
Rota-tilt – LH side only (RH optional)
Pneumatic Nozzle Flap (2/3 open, 1/3 fixed)
VariaBrush (Both sides)



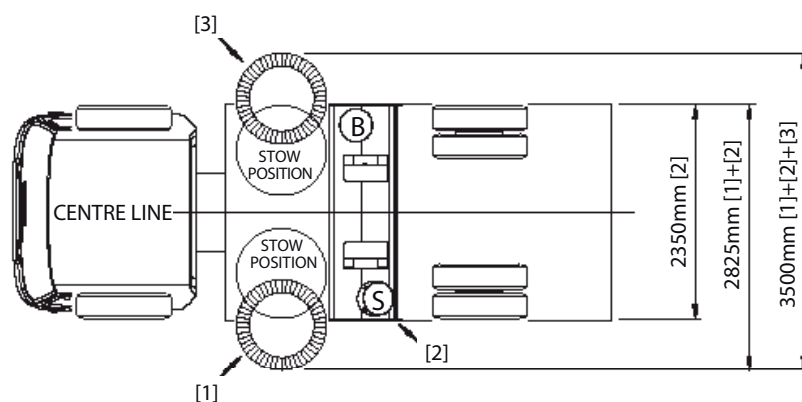
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Options:

Description
Extended Warranty 24 months 4,800 HRS
Driver Training (Number of days)
12V Power Supply
8" Boom Ext & Storage (Rear Door Mounted)
Air Blower - Incab
Air Horn
Auto Trans Temp Gauge
Beacons (With Guards)(NarvaTwin F/R)
Boom / Exhaust Deflector - Top Mtd- Full Range *
For Eductor. Top Mtd 8" Hyd Std, Option for 6"
Broom & Shovel Holder
Bullbar Front Mounted *
Camera System (Various Models/Positions)
Chain Curtain
Chassis Mtg Storage (Rear ToolBox RH)
Engine Bay Work Lamp (LED)
Floor Mats
Headlight Protectors
Internal Body Coating - Turret - K
Led Tail Lamps (Narva/Hella Lower/Upper/Lower)
Nozzle Spray, Under Hood
Nozzle Spraybar, Front

Description (cont'd)
Oil Pressure/Water Temp Guages (Aux Engine)
Paint - Cab Chassis
Rear Mounted Power Boom - 8" & Light Bar Options
Reverse Alarm (Ecco Smart)
Rotatilt - RH
Seat Covers (Cloth/Heavy Duty Canvas)
Signwriting
Stone Guard
Sunvisor
Supawash Detergent
Swept Distance Meter
Technical & Parts Manual - Paper Copy
Technical & Parts Manual Extra Copies - USB
Toolbox, In Cab (Behind RH Seat/Center with Tools) *
Voltmeter
Wash Down Hose
Weed Kill (LH Single LH/RH)
Window Tinting (Rear LH & RH)
Window Weathershields
Witches Hat Carrier
* Not Available for 11,000 kg GVM Chassis



[1] LEFT HAND CHANNEL BRUSH Ø1000
[2] PICK-UP HOOD. S-SUCTION DUCT. B-BLASTER

DUCT
[3] RIGHT HAND CHANNEL BRUSH Ø1000

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