

RT655 Sweeper

SERIES RT655

ISSUE NUMBER 08-17

REFERENCE JNA 0817



113" CA

178" WB

296"

113.5"

92"

FRONT MOUNTED STORAGE BOX ADDS 16" • REAR CATCH BASIN CLEANER ADDS 10"

Data & Performance

Sweeping Equipment

Gutter broom	44"; forward-facing, unhandled design
GB life expectancy	80 accumulated working hours
Pick up hood width	93" with 2" wide carbide skids
Nozzle trunking diameter	Flexible rubber, steel reinforced
Pressure hose	14" dia, 3/8" thick
Suction hose	14" dia, 3/8" thick

Engine Data

Model	John Deere 4045 HF285
Cubic capacity	275 ⁱⁿ³ (4.5 litres)
Gross rated power	115 HP @ 2200 RPM (86 kW)
Maximum torque	387 ^{LB/FT} @ 1500 RPM (525Nm)
Legislation compliance	Tier 3 US EPA A Flex
Operational RPM	Variable between 1200-2000RPM
Sump capacity	2.5 gallons
Ambient temperature	120°F
Cold start capability	-4°

Capacities

Hopper usable volume	8.5 yd ³
Hopper construction	9 gauge stainless steel LIFETIME WARRANTY NO PRORATION
Fuel tank	50 gallons
Water tank	253 gallons
Hydraulic system	20 gallons

General Data

Chassis requirement	33,000-35,000 LB
Wheelbase	164" - 178" (chassis dependent)
Dump height	39" (chassis dependent)
Dump angle	55° nominal
Door opening angle	125° nominal
Filter mesh area	2500 ⁱⁿ²
Water pump output	Up to 9.2 GPM
Dust spray water pressure	50.75 PSI
Hydraulic suction filtration	125 micron
Hydraulic return filtration	20 micron
Hydraulic pump displacement	Max output 8.7 GPM
Sweeping speeds	1-10 MPH (debris dependent)

We are **THE ONLY** sweeper manufacturer to offer an all-inclusive warranty (2 years/2,000 hours) and an "entire debris hopper" constructed of stainless steel as a standard with a **LIFETIME WARRANTY**.



Endless Sweeping Solutions

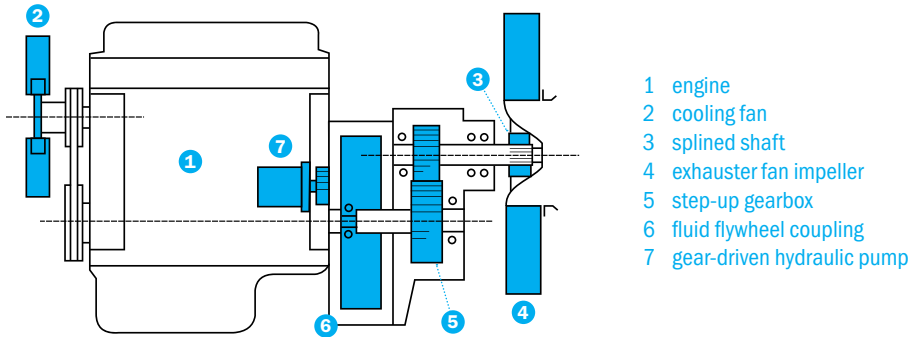
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Technical Specifications

AUX ENGINE STEP-UP GEAR BOX SYSTEM



Fan System

Heavy-duty stainless steel dynamically balanced impeller with backward-curved multi-vane blades

Operational speed variable between 2400 - 3500 RPM to easily adapt to application.

Driven from the auxiliary engine via fluid coupler and step-up gearbox. **5 YEAR WARRANTY**

Set-up gearbox ratio - 1:1.79

Gutter Broom

44" forward-facing digger-style, unhandled design

In-cab down pressure and variable speed controls (0-135 RPM).

Three preset lateral working positions (*narrow/standard/extended*).

Pick up Head

93" forward and reverse debris pick-up low-noise suction system with 14" diameter suction and pressure hoses.

In-cab variable control vacuum enhancer

144" sweep path with (2) gutter brooms

Dust Suppression System

Dust suppression water nozzles located in suction tube (2), gutter brooms (8), inside of hopper (2) and front-mounted chassis spray bar (4).

H.D. Twin diaphragm water pump driven hydraulically from a direct-coupled motor; self-priming and able to run dry without damage.

Water winterization purge system.

Electrical System

All internal and external wiring conforms to IP65 and IP67 standards-waterproof and dustproof.

12 v system is integrated with the truck chassis for easy troubleshooting.

Electric over hydraulic backup system.

Debris Body LIFETIME WARRANTY

8.5 yd³ hopper and full auxiliary engine cowling. Fabricated from heavy duty 9 gauge stainless steel.

Access doors fitted on both sides with safety grab handle and step to allow for screen and body load inspection.

Separate polyethylene water tank incorporates anti-surge baffles and filled via water hydrant.

Rear discharge chute and twin rear LED beacons with guards.

Single lock rear door latching system with (2) de-watering drain ports.

Hopper deluge and dust separator washout system.

Automatic deploying multi-position body propping mechanism.

Service ladder and platform.

Hydrant hose & wrench with lockable storage basket.

Controls

In-cab mounted master switch panel housing sweep controls condition status indicator lamps, including:

- Raised hopper warning
- Auxiliary engine hour counter
- Equipment fuel gauge
- Low-level lost water
- Engine tachograph meter
- Low level hydraulic oil indicator
- Recall sweep-sweep pause & resume
- Reverse auto sweep interrupt

In Cab Noise

<75 dB(A) - (chassis dependent)

Exterior Noise/ Sound Power Level

L_{WA} 110 dB(A) for turbo-charged engine measure in accordance with EC directive 2000/14/EC.

Options

- Camera monitoring system
- Pneumatic hopper screen shakers
- Rear-mounted hydraulic power-assisted 8" wanderhose
- Rotatilt in-cab gutter broom tilt
- Rear LED work lights
- Supawash - high pressure washing system
8.5 gallons/min @ 1500 psi bar. Handlance & hose reel, front-mounted high pressure spray bar optional .
- Gutter broom extension override (GEO)
Infinitely variable lateral positioning. Allows operator to sweep anywhere from retracted in front pick-up head to maximum extended positions.
Eliminates need for broom in head.
- PM 10 certified
- Bonded intake components

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