

C201 Sweeper

SERIES C201 Tier 3 US EPA Flex

ISSUE NUMBER 08-17

REFERENCE JNA 0817



Data & Performance

Sweeping Equipment

Brush diameter	33.5"
Brush speed	Variable up to 125 RPM
Nozzle width	32"
Hopper discharge height	61"

Engine Option Stage 3a

Model	VM D754 TE3 83C/4 Direct injection, turbocharged diesel engine (Tier 3 US EPA Flex)
Cubic capacity	2.970 litres
No. of cylinders	4
Gross rated power	78 BHP (58 kW) @ 2300 RPM
Maximum torque	202 LB.FT. (274 Nm) @ 1800 RPM

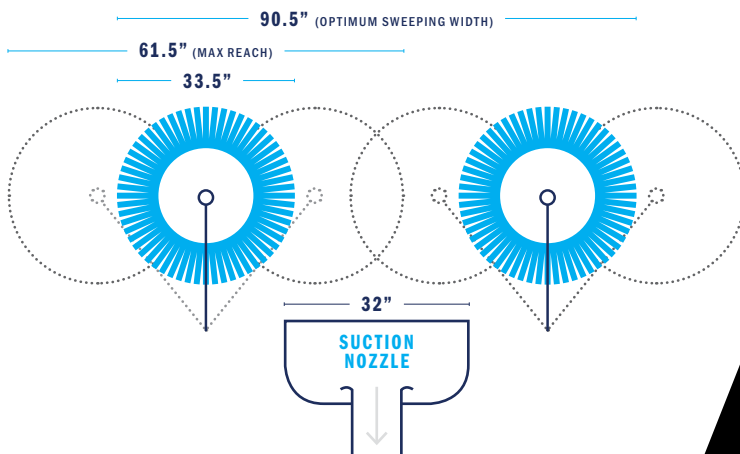
Capacities

Hopper usable volume	2.3 yd ³ 4003 stainless steel hopper
Payload capacity	2755 LB
Fuel tank	13.5 gallons
Clean water tank	40 gallons
Recirculation system	66 gallons
Total water systems	106 gallons

Performance

Unladen Weight	6060 LB
GVMR	8800 LB
Payload	2755 LB
Maximum travel speed	Up to 25 MPH
Sweeping speed	1 to 10 MPH
Gradeability forwards	Up to 30%
Sweeping operational RPM	1100 - 1480 RPM
Transit operational RPM	Up to 2000 RPM

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**.



 **Johnston**
NORTH AMERICA

Endless Sweeping Solutions

105 Motorsports Road, Mooresville, NC 28115

T 704.658.1333 F 704.658.1377

E info@johnstonnorthamerica.com

Technical Specifications

Transmission

Full hydrostatic transmission with closed loop circuit and variable angle swash plate piston pump. Maximum transit speed up to 25 MPH. Sweeping speeds up to 10 MPH.

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 105 amp alternator.

Glide Suspension Standard

Four wheel coil spring suspension with gas over oil dampers and a front mounted anti-roll bar.

Steering

Full hydraulic power steering.
Turning Circle 16.5 FT curb to curb

Tire Size

Front: 6.50 R10 Radial tires
Rear: 225/75 R10 Radial tires
Wide profile tires give low ground pressure.

Brakes

Front: Servo-assisted hydraulic drumbrakes with dual circuits between front and rear for added braking security.
Rear: Hydraulic drum brakes with integral parking brake.

Noise

In cab: Noise between 67-75 dB(A), depending on operating speed.
External: Maximum LWA of 103 dB(A) measured in accordance with Directive 2000/14/EC.

Impeller

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

Cab

Heater: Recirculating and fresh air blend heater with adjustable vents.

Visibility: Unrestricted 180° visibility of work area
Fully glazed with tinted safety glass.
Electrically heated "Quick-clear" windscreen. Twin speed 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, stereo, MP3 player and 7" full color JVM screen.

A rear console containing ignition switch, tipping controls, suction fan and water switches.

An arm rest containing all sweeping related controls for brushes, engine speed, brush balance, cruise control etc., ergonomically positioned near driver.

Standard machine features

JVM Display System: Alerts the driver in the event of a system problem, also records engine hours.

Beacon: Standard LED with knock down feature. Independent brush control.

Stereo Radio MP3 Player c/w USB interface with 45 watt dual cone speakers.

Reverse warning: Audible warning device with night silent override.

Self-steering wheeled nozzle: With non-marking replaceable rubber tires.

Options

- Air Conditioning
- Autolube grease system
- CCTV reverse camera system
- Leaf flap on nozzle for ingestion of leaves
- Stereo upgrade
- Rear towing attachment
- Spare wheel & jack
- High Pressure Wash Down System:
Head lance with fan & jet nozzles;
2.5GPM @ 1200PSI water pump;
33ft recoiling hose reel
- Wanderhose: Roof mounted, turntable design
with 12 FT reach
- Third brush assembly

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