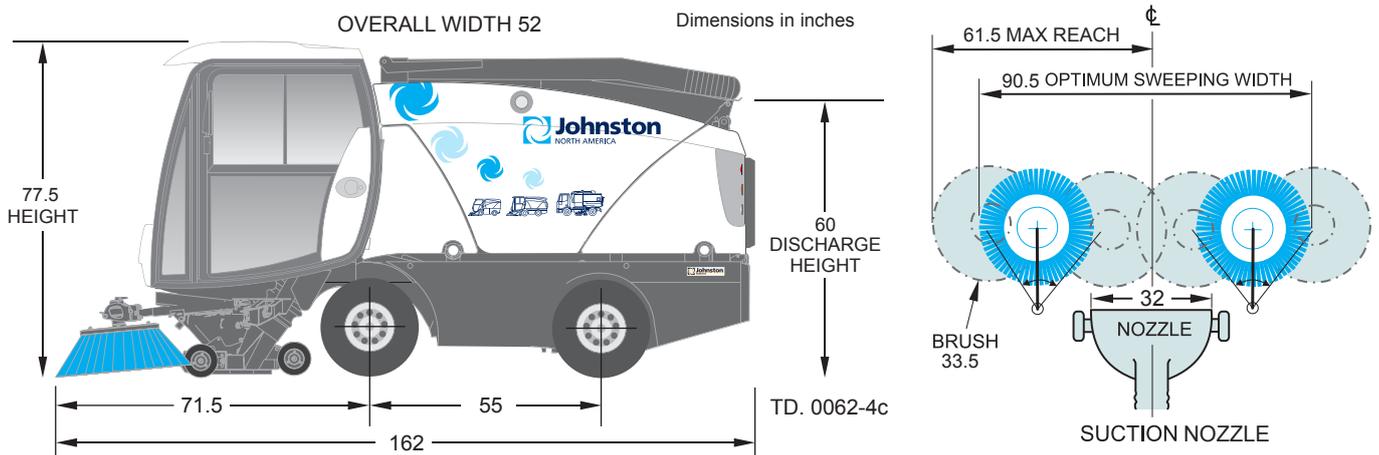


# Specification Sheet

# C201 SWEEPER

**SERIES** C201 Tier 3 US EPA Flex  
**SUBJECT** Technical Information and Data

Sheet 1 of 2  
 Revision Number: 1A  
 Date: 04/01/2014  
 Reference: JNA 412014



## Data and Performance Information

Sweeping Equipment	
Brush diameter	33.5 ins
Brush speed	Variable up to 125 rev./min.
Nozzle width	32 ins.
Hopper discharge height	59 ins. (1.5 m)

Engine Option Stage 3a	
Model	VM D754 TE3 83C/4 Direct injection, turbocharged diesel engine
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
Legislation compliance	Tier 3 US EPA

Capacities	
Hopper voided volume	2.3 yds <sup>3</sup> , 4003 stainless steel hopper
Payload capacity	2850 lbs
Fuel tank	13.5 gallons
Clean water tank	40 gallons
Recirculation system	66 gallons
Total water systems	106 gallons

Performance	
Unladen Weight	5950 lbs
GVMR	8800 lbs
Payload	2850 lbs *Dependent on options
Maximum travel speed	Up to 25 mph
Sweeping speed	1 to 10 mph
Sweep rate/output	396,110 ft <sup>2</sup> /hr (theoretical max)
Gradeability forwards	Up to 30%
Sweeping operational rpm	1100 - 1480 rpm
Transit operational rpm	Up to 1750 rpm

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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 25 mph. Sweeping speeds up to 10 mph.

## 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.

## 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 14 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 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 71-73 dB(A), depending on operating speed.  
External: Maximum  $L_{WA}$  of 103 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 and fresh air blend heater with adjustable 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, stereo CD/radio and CANview screen. A rear console containing ignition switch, tipping controls, suction fan and water switches. A new arm rest containing all sweeping related controls for brushes, engine speed, brush balance, cruise control etc., is ergonomically positioned near the driver.

## Standard machine features:

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

Beacon: Standard rotating 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.  
Hydrant hose, standpipe & key.  
Leaf flap on nozzle for ingestion of leaves.  
Radio/CD upgrade.  
Rear towing attachment.  
Spare wheel & jack.  
Supawash: High pressure washing hand lance and pump (2.5 gallons/min @ 1100 PSI self-recoiling hose reel and 33 ft hose).  
Sweep performance monitor - provides information on total distance travelled, distance travelled and hours while sweeping.  
Wanderhose: Roof mounted, 12 ft reach.  
Third brush assembly.