



# The Johnston C201

Compact sweeper



## Small and perfectly formed

The Johnston C201 compact sweeper is the latest evolution of Johnston's class leading compact design.

Designed around three key objectives as required by our customers, the C201 achieves high productivity, low cost of ownership and minimal environmental impact - all delivered in one package.



Certificate No. FM 83396



Certificate No. EMS 533329



Certificate No. OHS 54760

TOP  
Wanderhose option

BOTTOM  
Brushes and nozzle  
visible through glass  
floor panel

# Operator Environment

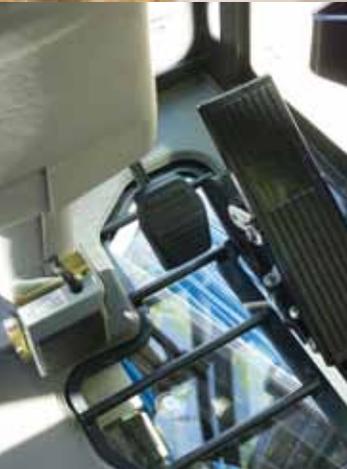
Johnston understands that the correct balance of operator comfort and equipment performance is key to achieving high productivity, so with the C201, ease of operation, maneuverability and ergonomics are central to the design.

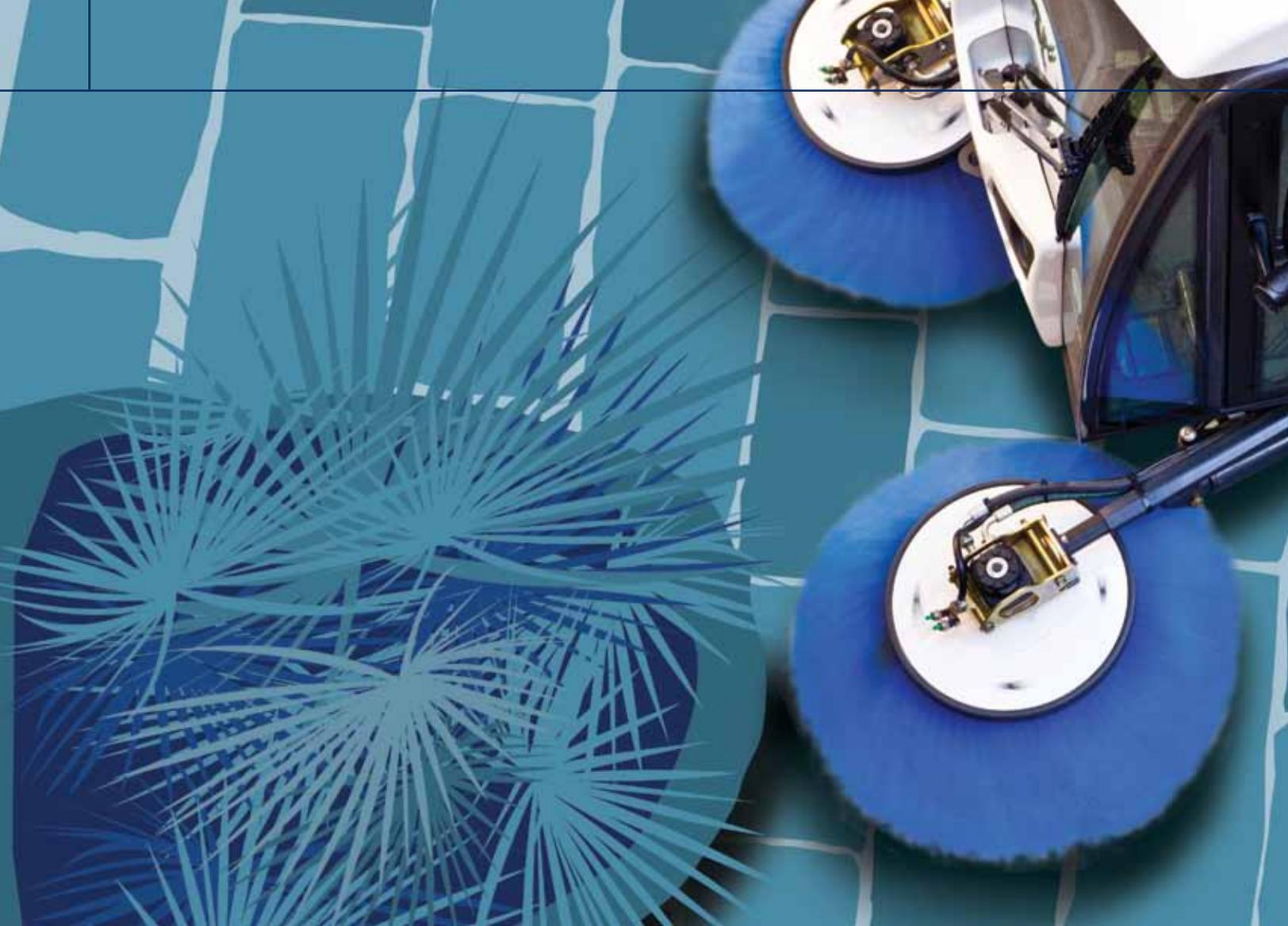
**MIDDLE**  
Finger tip control panel

**RIGHT**  
Front facing brushes



- Adjustable air suspended seat with adjustable back support
- Adjustable steering column for height and rake
- A choice of options for in-cab temperature control of either air conditioning or climate control
- Illuminated nozzle box provides improved visibility for night time sweeping
- Hydrostatic power steering
- Easy reach/use control panels
- Radio with sockets for both SD Cards and MP3 player
- Walk-through cab giving access from either side of the sweeper
- Glide II suspension design for improved sweeper ride, further reducing whole body vibration and driver fatigue
- Armrests fitted to both cab doors for improved comfort in transit





## High Performance

- Four-wheel-steer option, allows the smallest turning circle in its class, and superlative maneuverability
- Wide view floor-to-roof heated windshield with unrestricted all-round vision
- Johnston's traditional sweeper brush configuration
- Enlarged glass floor panels on both sides of the cab to view brushes and nozzle box
- A back-up alarm for safe reversing, with standard Night Silent switch
- Brushes have variable speed, and both have independent pressure control



LEFT  
Brushes cleaning around  
street furniture

TOP  
Wide sweeping width

MIDDLE  
Wide adjustable  
nozzle box

BOTTOM  
Optional in-cab rear  
view camera



### **Intelligent Hydrostatic Control**

The Johnston Electronic Transmission Control allows seamless intelligent transition between Work Mode and Transit Mode while on the move. The dynamic hydrostatic braking system provides safe and smooth operation in both vehicle modes giving the driver greater control. The advanced 4WS Steering System is fully integrated into the transmission control software providing intuitive and precise steering control.

### **J-Plex II control system**

The C201 sweeper is equipped with a sophisticated large view color screen connected to a J-Plex II control system to effectively monitor running costs and productivity. This important information can be downloaded to a USB for convenient office use.

### **Integrated rear view camera**

The large view color screen also incorporates the rear view camera option, streamlining in-cab equipment, and giving safe and accurate reversing guidance.

### **Low noise**

Low noise levels (73 dB(A)) at maximum rpm's in-cab, provides a comfortable all day working environment.

# High Productivity



We understand operating costs are as important as the initial purchase price, which is why the new C201 has been designed to have the highest possible uptime levels with the lowest number of service intervals.

Designed to cope with the toughest environments the C201 hopper is manufactured from stainless steel. Major components are shot blasted with an aluminium oxide abrasive providing an excellent key for the painting process and 2 part epoxy paint, baked on to provide a hard wearing coating. In addition, all the gray parts are shot blasted, primed and electrostatically powder coated for a tough finish, ensuring your sweeper retains a high residual value and longer in-service life.

## **Fuel efficient**

The C201 is the most fuel efficient sweeper of its type, using up to 40% less fuel in 'work mode' than other sweepers in its class – a significant financial and environmental consideration for fleet operators. This efficiency can help to save 22,000 lbs of carbon per 2000 operated hours, and with the on board technology as standard, fuel savings can be easily monitored.

## **Water capacity**

Equipped to carry 40 gallons of clean water and 66 gallons of water in the recirculation system, giving 106 gallons of water, the C201 reduces refilling costs and extends on-station time.

The C201 can be equipped with a hydrant hose, saving the operator time by refilling water tanks from a street hydrant giving further productivity.

## **On-board technology**

The C201 J-Plex II control system comes with a USB portal so the system can be upgraded quickly and easily. Service intervals are highlighted on the 7" colour display system to ensure the equipment is serviced at the required intervals.

Alongside this information, Johnston Sweepers has incorporated an Advance Data Capture system; using the integrated USB socket, information can be downloaded, giving both operators and managers information from which they can calculate accurate running costs for each individual sweeper. Daily fuel usage, mileage, sweeping hours and engine performance can be analyzed to achieve continuous cost savings.

# Low cost of ownership – low environmental impact



## Four-wheel steer option

A C201 Compact with the 4-wheel steer option reduces the turning circle to a class leading 148" curb to curb.

## Leaf nozzle box

The C201 comes with an option of heavy duty castors which complement the four wheel steer, also giving faster, smoother direction changes without affecting suction performance.

## Tires

The C201 compact is fitted with Continental RV20 tires, for heavy duty working, designed to reduce whole life tire cost while improving comfort. The design is ideal for curb climbing and gives a large footprint, allowing the sweeper to operate over a range of paved surfaces.

## Independent brush control

The C201 features independently controlled front brushes. From the high visibility cab, an operator has unrivalled control of the brush speed, position and ground pressure.

## Low level of brush arms

The unique sweep-gear configuration and reverse sweeping feature ensures efficient cleaning around obstacles with complete cleaning of 90° corners and enclosed spaces.

## Wanderhose

The Wanderhose option is a 12 ft suction hose for extended cleaning reach. Turntable mounted for maneuverability and access to areas next to the roadway.

## High pressure hand lance

The C201 high-pressure hand lance option has a 33 ft recoiling hose for convenient operation. The hand lance is also equipped with both a fan and a pencil nozzle to deal with all types of dirt.

## Dumping

The 2.3 yd<sup>3</sup> (hopper volume) capacity and 5 ft discharge height is ideal for dumping into dumpsters.

Also with high visibility automatically engaging safety props fitted as standard, the hopper reaches its dump height in complete safety.

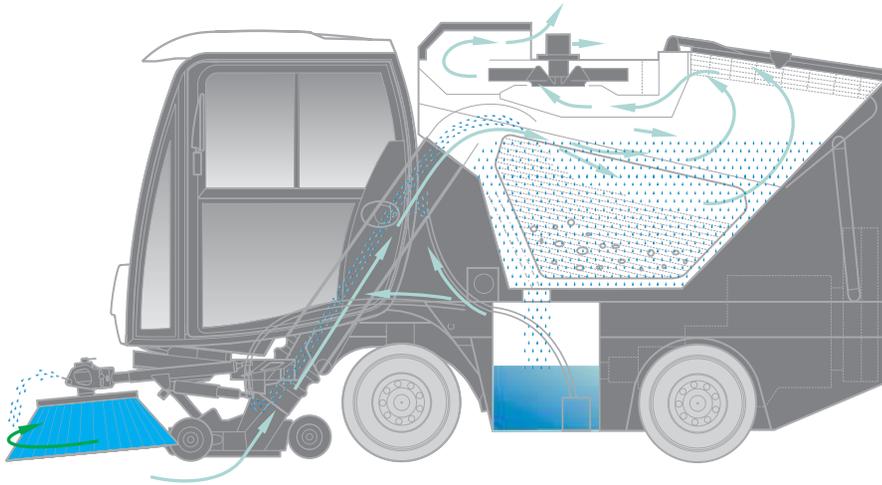
## Impact protection

To avert potentially expensive impact damage, the articulated brush arms include forward impact shock absorbers and side impact hydraulic dampening. A replaceable 'Shear Pin' which can be easily replaced by the operator, protects the brush arms even further.

LEFT  
High pressure spray lance option

RIGHT  
Brushes cleaning around street furniture

# A compact package that packs so much more



As part of Johnston Sweepers' commitment to minimum downtime, key components of the C201 are easily accessible for efficient maintenance. Simple components and systems facilitate rapid servicing, making it one of the easiest machines in its class to maintain.

With a service and maintenance network covering all of North America, and a worldwide distributor network in over 120 countries, Johnston help is always at hand.

## Dust suppression

The C201 Johnston water curtain dust suppression system achieves the industry's highest PM10 and PM2.5 standards. Using small nozzles next to the brushes to project a fine water spray ahead of the sweep gear, fine particles are trapped and brushed in the path of the nozzle box. The dust and debris is then contained with fans of water. Two jets of water, one in the nozzle box and one in the suction tube, ensure all dust is soaked before being sucked into the body. The water curtain, now containing all the dust and debris, falls safely into the hopper, the water is then continuously re-circulated to ensure virtually all dust, PM10 and PM2.5 is contained in the sweeper.

Low noise levels, low ground pressure, water recirculation and sustainable manufacturing techniques - the Johnston C201 helps you achieve the highest productivity at the lowest cost to your budget and the environment.

## Optional features:

- Four-wheel steer
- In-cab air conditioning, or In-cab climate control
- High pressure lance and 33 ft recoiling hose with fan & pencil nozzles
- Turntable mounted Wanderhose
- Rear mounted camera system

A comprehensive range of additional options is also available. Ask for details.

LEFT + RIGHT  
Advance Data  
Capture system





# Sweeping Configurations

## Outline Specification C201

**Engine:** VM R754 EU5 05D/9 common rail direct injection turbocharged & intercooled diesel

**Length:** 162" **Maximum speed:** 25 mph

**Width:** 52" **Brush diameter:** 33.5"

**Height:** 77.5" **Brush speed:** Variable up to 125 rpm

**Unladen weight:** 5950 lbs **Gradeability:** 30% fully laden

**Payload:** 2865 lbs - Dependant on options **Clean water tank capacity:** 40 gallons

**GVWR:** 8800 lbs **Recirculating water system:** 66 gallons

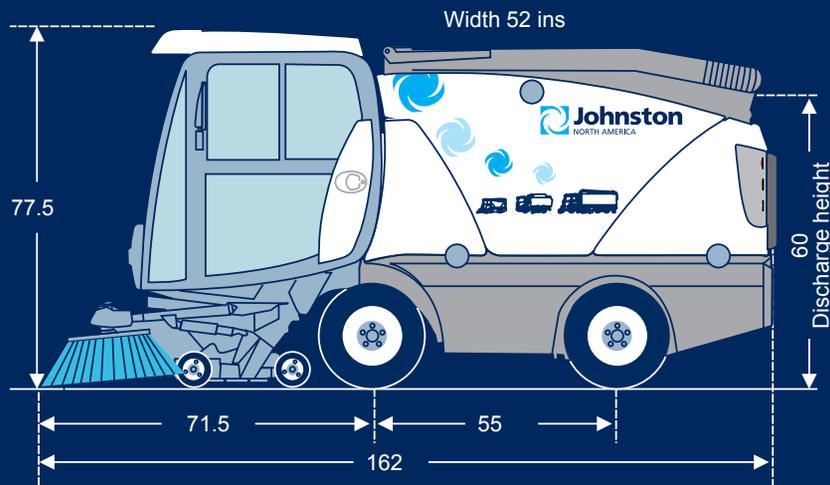
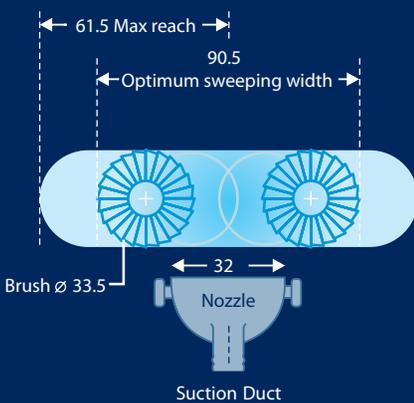
**Hopper volume:** 2.3 yd<sup>3</sup> **Sweep rate/output:** 396,110 ft<sup>2</sup>/hr (theoretical max)

LEFT  
Slimline width for narrow  
and congested sweeping

MIDDLE  
Nozzle box lights

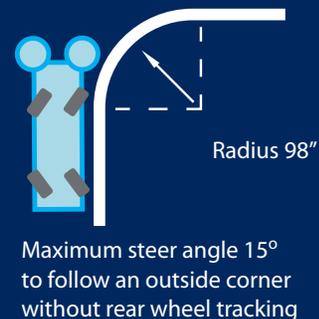
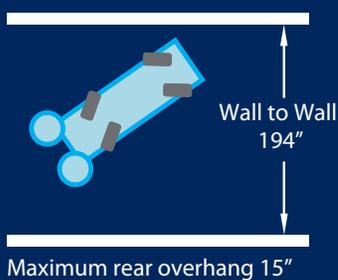
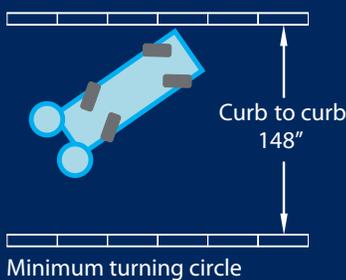
RIGHT  
In-cab controls

Visit our websites for more information on the Johnston C201 and details of your nearest distributor:  
USA - [www.johnstonnorthamerica.com](http://www.johnstonnorthamerica.com) Rest of the world - [www.johnstonsweepers.com](http://www.johnstonsweepers.com)



Dimensions in inches

## Turning circle (Four Wheel Steer Option)



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