



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, manoeuvrability and ergonomics are central to the design.

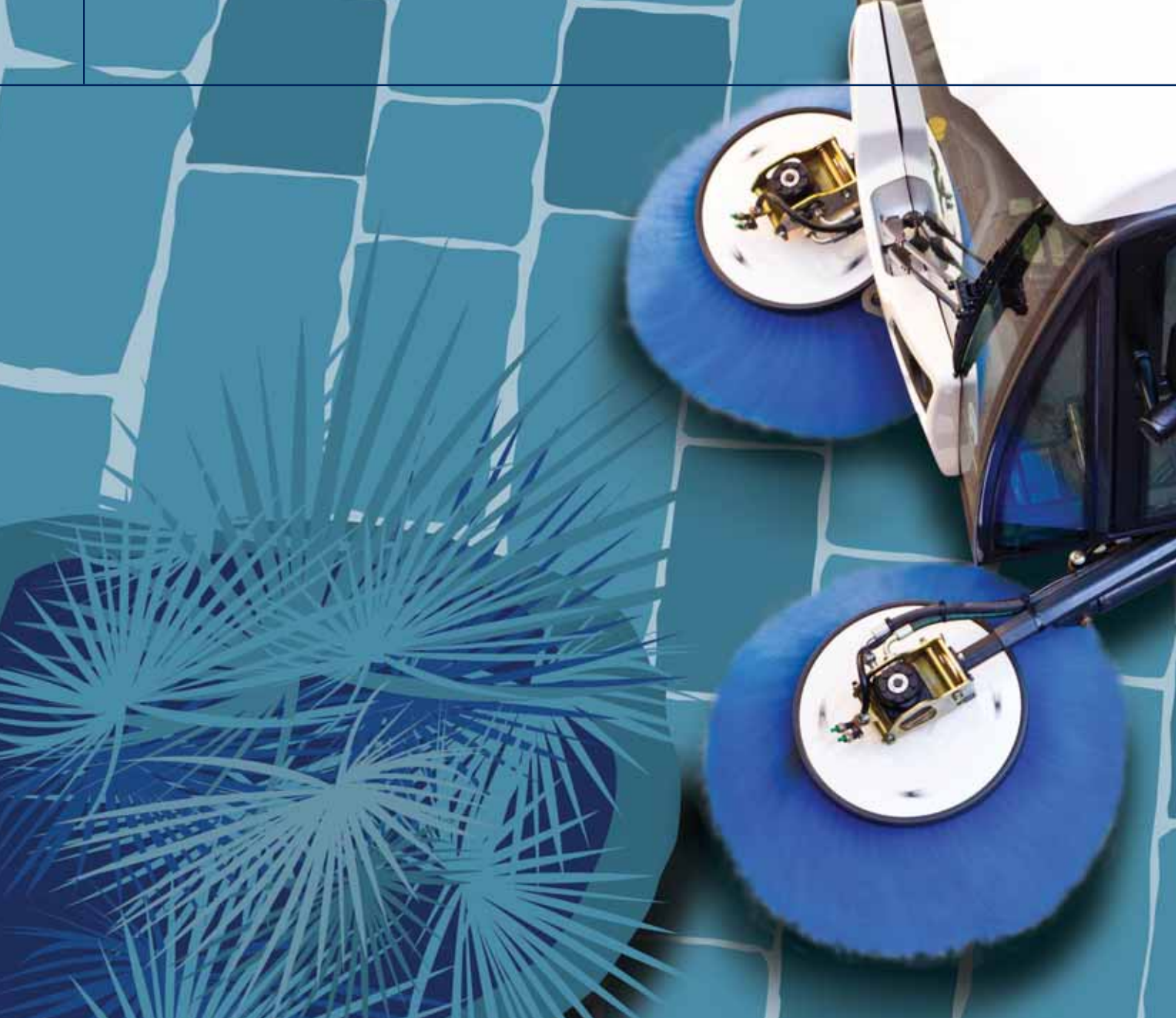
MIDDLE
Palm rest control panel

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 manoeuvrability
- Wide view floor-to-roof heated windscreen 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
- An audible signal 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
In-cab rear view camera



Intelligent Hydrostatic Control

The Johnston Electronic Transmission Control allows seamless intelligent transition between Work Mode and Transit Mode whilst 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 colour 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 colour screen also incorporates the rear view camera option, streamlining in-cab equipment, and giving safe and accurate reversing guidance.

Low noise

Low noise levels (73dB(A)) at maximum revs 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 4003 stainless steel. Major components are shot blasted with an aluminium oxide abrasive providing an excellent key for the painting process. An acid etch primer is applied followed by two coats of 2 pack epoxy paint, stoved off to provide a hard wearing coating. In addition, all the grey 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 any other sweeper in its class – a significant financial and environmental consideration for fleet operators. This efficiency can help to save 10,000kg 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 152 litres of clean water and 250 litres of water in the recirculation system giving 402 litres of water, the C201 reduces refilling costs and extends on-station time.

The C201 can be equipped with a hydrant hose, standpipe and key, 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 analysed 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 3760mm kerb to kerb.

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.

Tyres

The C201 Compact is fitted with Continental RV20 tyres, for heavy duty working, designed to reduce whole life tyre cost whilst improving comfort. The design is ideal for kerb 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 3.7m suction hose for extended cleaning reach. Turntable mounted for manoeuvrability and access to areas next to the roadway.

High pressure hand lance

The C201 high-pressure hand lance option has a 10m 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.

Tipping

The 1.8m³ (hopper volume) capacity and 1.5m discharge height is ideal for tipping into skips or bins.

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

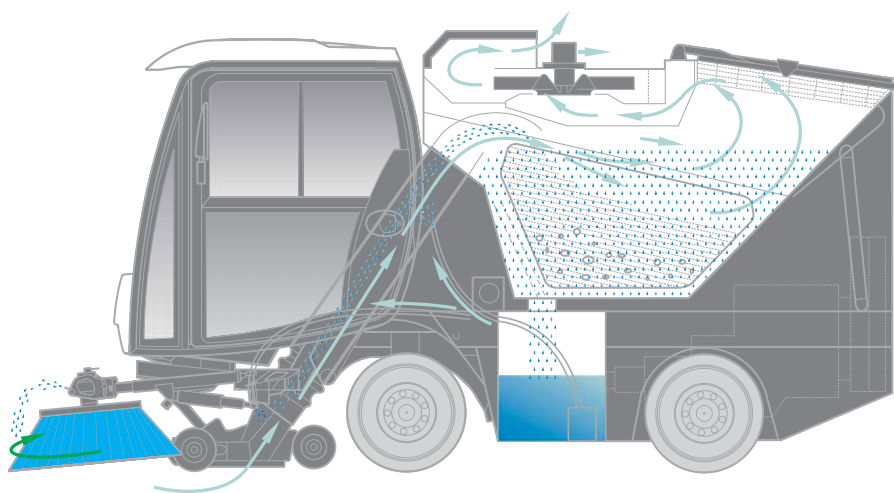
Impact protection

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 servicing and maintenance network covering the whole of the UK, 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 travelling at 200 miles per hour. 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 10m 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

LEFT
Slimline width for pavement sweeping

MIDDLE
Nozzle box lights

RIGHT
In-cab controls

Outline Specification C201

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

Length: 4120 mm **Maximum speed:** 50 km/h

Width: 1315 mm **Brush diameter:** 800 mm

Height: 1965 mm **Brush speed:** Variable up to 125 rpm

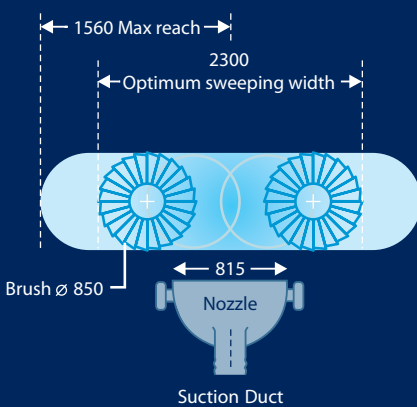
Unladen weight: 2700 kg **Gradeability:** 30% fully laden

Payload: 1300 kg - Dependant on options **Clean water tank capacity:** 152 litres

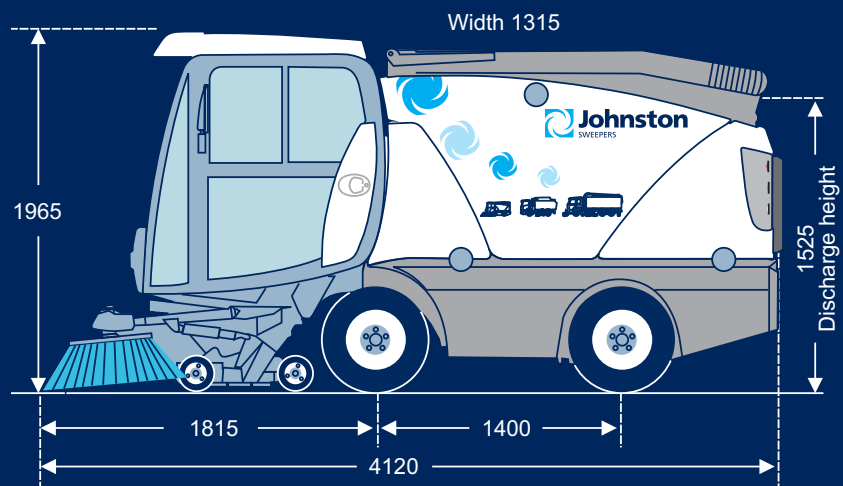
GVM: 4000 kg **Recirculating water system:** 250 litres

Hopper voided volume: 1.8 m³ **Sweep rate/output:** 36,800 m²/hr (theoretical max)

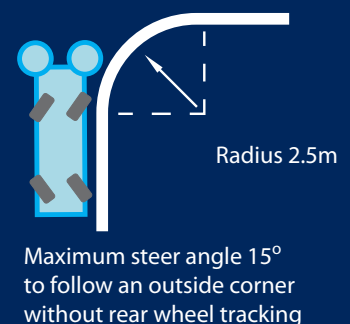
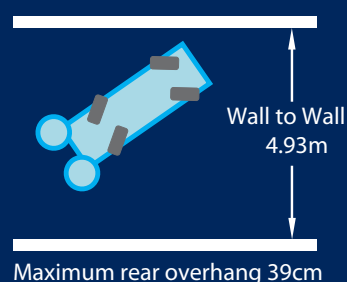
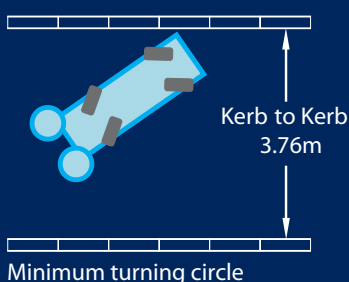
Visit our websites for more information on the Johnston C201 and details of your nearest distributor:
United Kingdom - www.johnstonsweepers.co.uk Rest of the world - www.johnstonsweepers.com



Dimensions in mm



Turning circle (Four Wheel Steer Option)



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