



Product Brochure

VT 652 Road Sweeper

Bucher Municipal a strong partner at your side

Bucher Municipal is a world-leading manufacturer of municipal vehicles for street cleaning, waste collection and snow removal in public and private areas. Bucher Municipal stands for high-quality products and service excellence, as well as innovation, competency, reliability and sustainability. Our vehicles incorporate technically advanced solutions focusing on high performance, ease of use, low maintenance and cost-effective operation.

Bucher Municipal takes its responsibility towards society and the environment seriously. Our mission is to ensure that roads and private or public spaces are kept clean and safe. Bucher Municipal implements this mission by focusing on functional engineering, environmental integrity and driving comfort. Bucher Municipal has a worldwide sales and service network to ensure that it can offer service excellence close to its customers.



About Us

Company Overview

Bucher Municipal is one of the five core divisions of the global industrial group Bucher industries, and is today recognised as the leading provider of equipment to the Australian Waste Industry.

Bucher Municipal boasts an impressive product range including Side, Rear and Front loading refuse machines as well as Compact and Truck Mounted Road Sweepers and Vacuum Tankers.

Every Bucher Municipal machine is application engineered, manufactured in Victoria and supported by a passionate after sales support team that operates 24/7, 365 days a year.

Engineering

Bucher Municipal boasts a large, Australian based, Engineering Department covering Research & Development and Applications Engineering with a combined service of 160 years with the company.

The multi-discipline engineering team has all fields covered including mechanical, electrical, hydraulic, systems and applications engineering.

The team includes dedicated technicians within the R&D workshop for prototype builds and development.

Manufacturing

Bucher Municipal's manufacturing capability is world class and features:

Two Australian manufacturing facilities; Clayton & Scoresby in Victoria.

Ability to produce the complete range of refuse products on one production line.

State of the art paint facilities featuring:

- >> Climate controlled
- >> Dustless paint process
- >> Finished to Automotive standard
- >> OH&S initiatives such as Wall-Man ladder units

Flowing production lines, including line side inventory and tooling. Specific processes, parts and tools are located and performed at each station, improving labour efficiency and throughput.

All fabricated components are supported with 3D computer design models and corresponding jigs and fixtures to provide consistent quality and performance of products.

All designs are Finite Element (FEA) tested to ensure each machine is robust enough to stand the test of time while providing industry leading payloads for our customers.

Independent quality processes and auditing provide quality assurance and traceability.

After Sales Support

Bucher Municipal provides national after sales support, which is unsurpassed within the industry.

With their national branch network covering spare parts, service, warehousing and distribution, and their extensive fleet of service vehicles, Bucher Municipal can address all service requirements on location Australia wide.

Five State of the Art Retail Facilities located in Adelaide, Brisbane, Perth, Sydney and Melbourne

24/7 Field Service Support

9,000 Lines of Parts with Inventory located in every State

27 Service Vehicles

Factory Trained Technicians

Repair & Maintenance Packages

Bucher Municipal VT652

Worlds best selling truck mounted sweeper

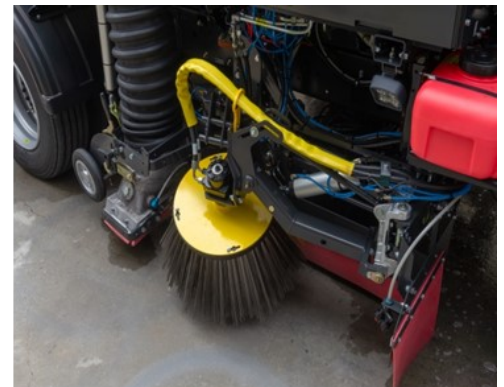


The V Range has established itself as Bucher's most reliable and dependable truck mounted sweeper. The Latest V Range sweepers have been developed from over 50 years of evolution and continuous improvement to meet customer requirements.

With sweepers tailored to operate in many specific environments, Bucher Municipal offers a wide choice of products and options, which ensures maximum performance is always achieved.

Fast Facts

- Available in three chassis configuration:
 - ISUZU FSR-140/260
 - Hino 1425 FE
 - Hino 1628 FG
- Top and rear mounted boom option
- Optimal sweeping speed of up to 16km/h
- Ergonomically positioned in cab controls
- 6.5m³ hopper
- 4-5 tonnes payload (chassis dependant)
- Sweeping width of up to 3.6meters

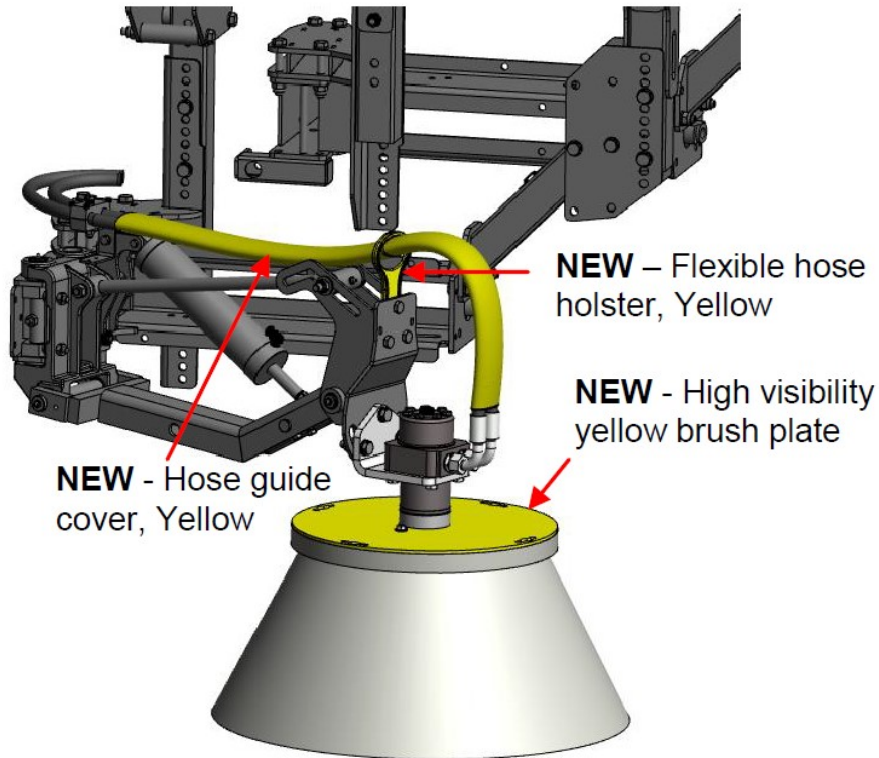


New and Improved Bucher VT652

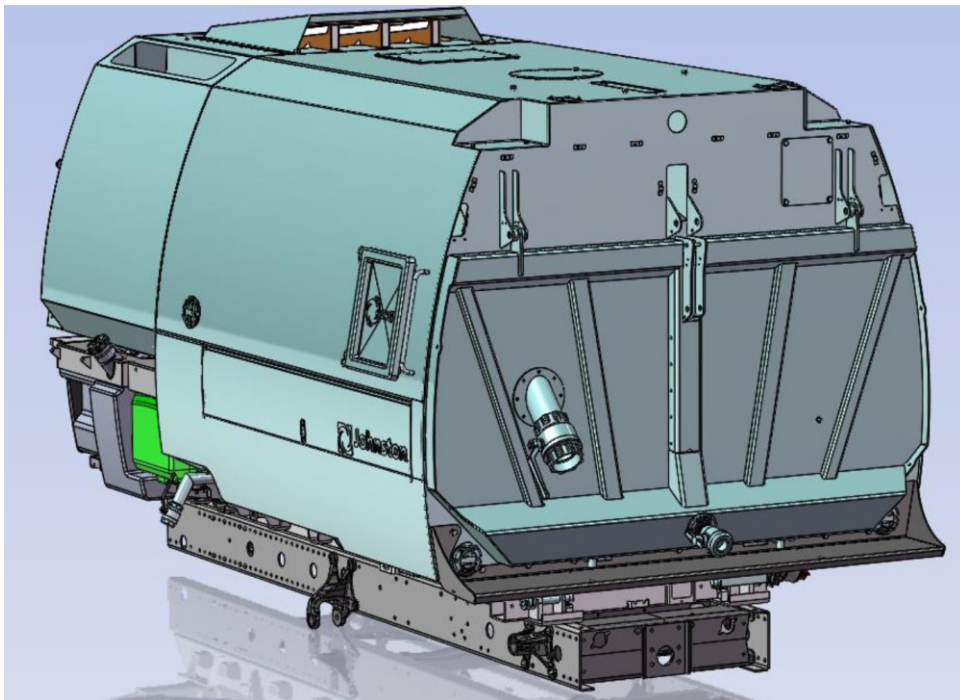
Bucher Municipal' number one priority is to ensure that our vehicles perform their tasks in the safest possible way to the community as well as the operators.

With the new VT652, there's been a number of standard safety features and changes to improve user experience that have been added:

- Increased visibility of channel brushes by introducing yellow plates and hose covers which will greatly increase

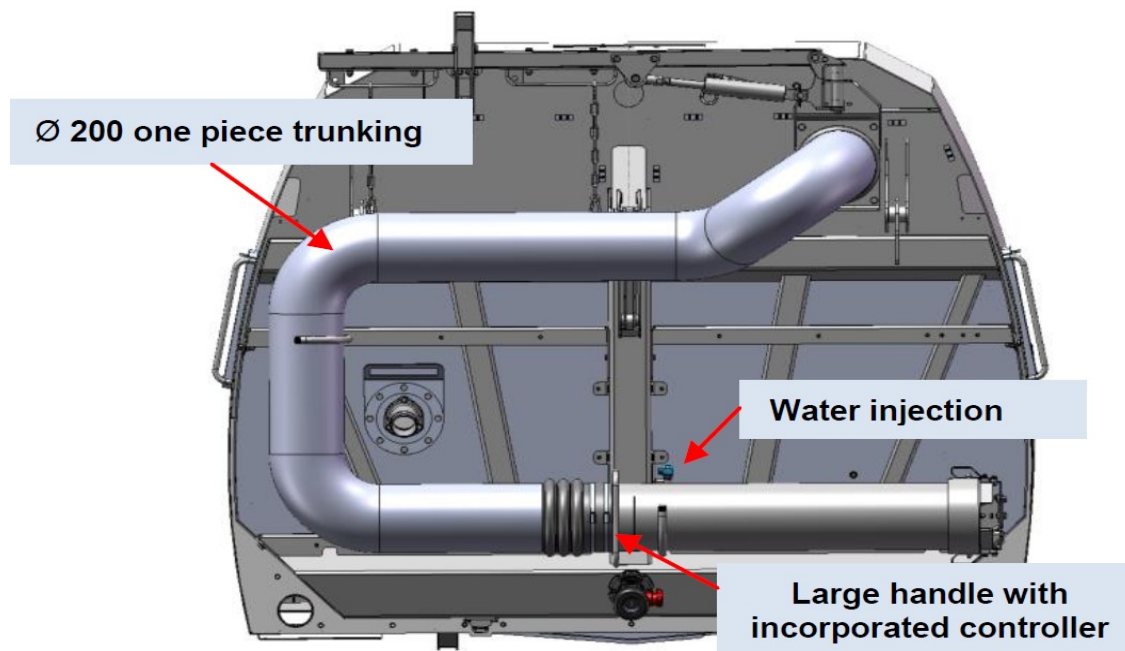


- Strengthened, continuously welded rear door for improved strength and seal retention.

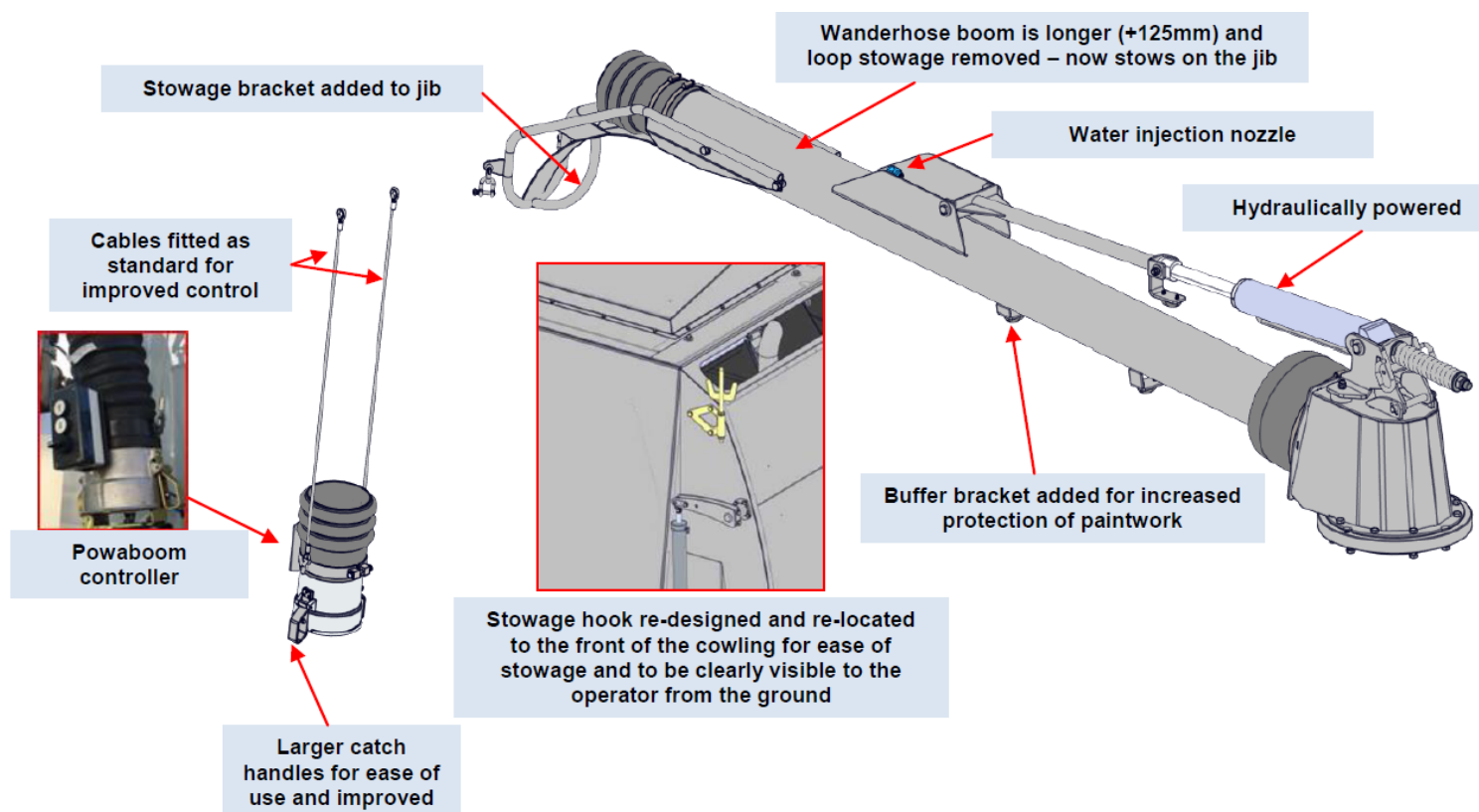


New and Improved Bucher VT652 contd.

- Redesigned rear mounted hose* - it is now a single piece with one additional extension as standard - LH or RH mounted.



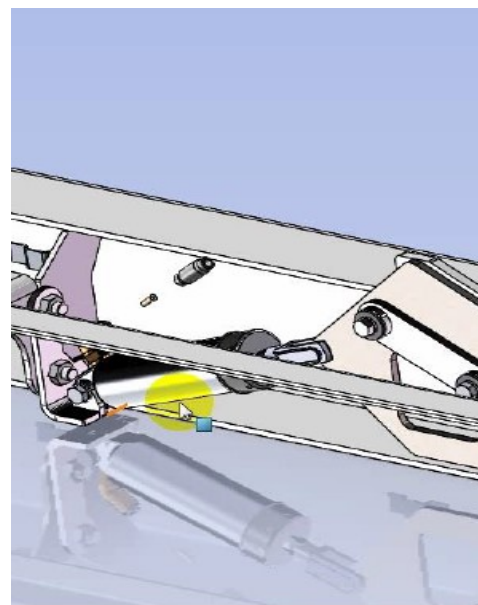
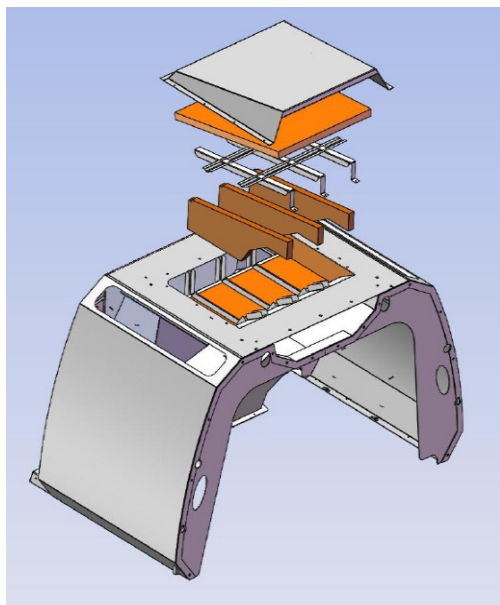
- Redesigned top mounted boom*



*additional cost applies

New and Improved Bucher VT652 contd.

- Low noise cowling - 3dBA noise reduction
- Wireless discharge controls
- Improved body prop release to prevent jamming



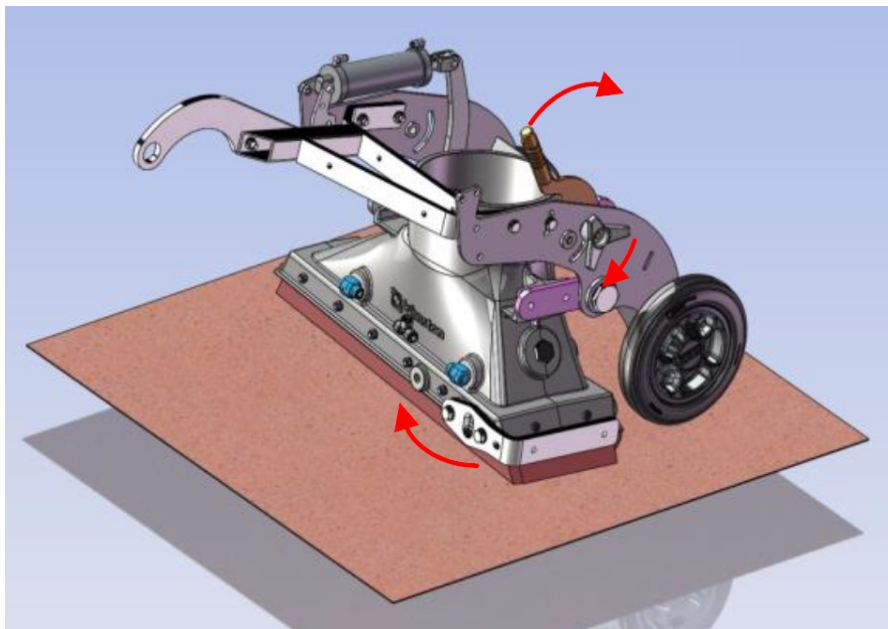
- Controller with added LED's for water operations enabling better control of features used.
- Corten Steel on all inlet ducts for improved durability. It has the same weight and thickness as mild steel with an added benefit of lasting 3x longer and increased corrosion resistance



*additional cost applies

New and Improved Bucher VT652 contd.

- Suction nozzle carriage has been redesigned which resulted in improved nozzle gap graduation and made the adjustments easier for the operator.
- Introduction of locking clamp. Release the clamp and adjust the lever to suit.



- Bucher Camera System*



Technical Specifications—General:

Capacity / Body	
Hopper voided volume	6.5m ³ nominal
Payload voided volume	5.6m ³ nominal
Payload capacity	4-5 tonnes Chassis dependant
Fuel tank	190 litres
Water tank	1554 litres
Material	4mm 4003 stainless steel hopper

General Data	
Chassis requirement	14-16 tonnes
Wheelbase	3730mm nominal
Discharge height	950mm
Discharge angle	54° nominal
Door opening angle	125° nominal
Filter Mesh area	1.05m ²

Standard Sweeping and Cleaning Equipment	
Channel Brush (CB)	Ø650mm
Wide Sweep Brush (WSB)	Ø406mm (Ø340 on 14t chassis)
Nozzle width and trunk diameter	750mm / Ø250mm
Nozzle Trunk Water Injection	Low pressure nozzles
High pressure water jet lance	“Supawash” - 100 bar
Optimal Sweeping Speeds	2-16 km/h

General Data cont.	
Dust spray pump output	Up to 35 l/min
Dust spray water pressure	3.5 bar
Hydraulic suction filtration	125 micron
Hydraulic return filtration	25 micron
Hydraulic pump displacement	16.85cc/rev max output 32 l

Technical Specifications—Engine:

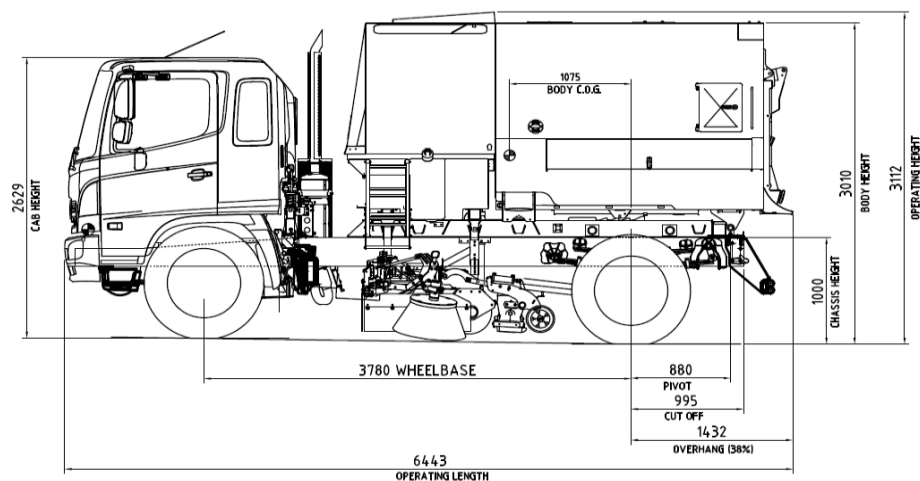
Engine data	
Model	JCB Dieselmax 444 Stage 3a
Cubic Capacity	4.4 litres
No. of cylinders	4
Gross Power	85 kW @ 2200 rpm
Max Torque	440 Nm @ 1300 rpm
Legislation compliance	NRMM Stage 3a EC directive 97/68
Operational RPM	Variable 1200-2000 rpm
Hydraulic system	55 litres

Standard Features:

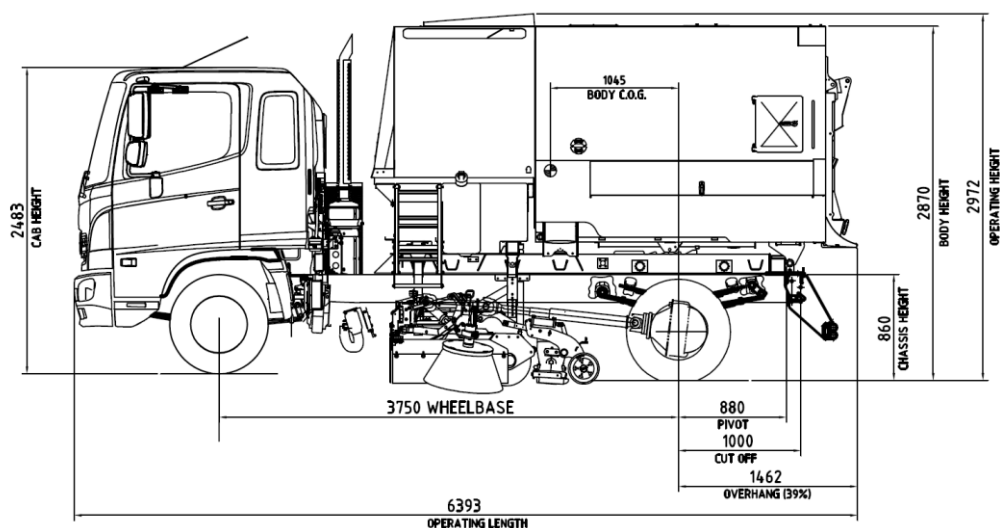
Safety	Body / Sweep gear / Water	Lighting
Automatic multi position body prop	4mm 4003 stainless steel hopper	Narva front and twin rear LED beacons
Hydraulic body prop release	Low noise cowling (3dBA noise reduction)	LED worklights
Narva reverse alarm	Tilting LH channel brush (Rotatilt)	Narva LED tail lights
Improved rear door locking sensor	Improved nozzle gap graduations	Body lift LED work light
Wireless pendant (body and rear door operation)	Hand lance and hose reel - 100 bar 32l/min "Supawash"	
High visibility brush plate and hose covers	12 months / 2500 hours warranty	
Weight overload indicator	Twin access door on LH and RH side of the body	
Under run bumper	Quick release channel brush	
Auxiliary engine access ladder	Twin access door on LH and RH side of the body	
Average In cab noise of approx. 68dBA		

Overall Dimensions:

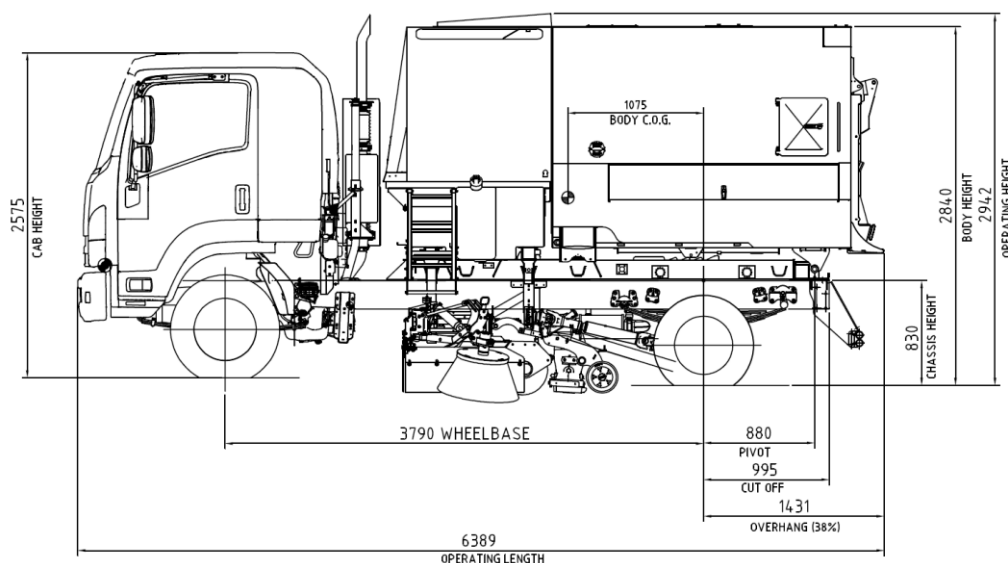
VT652 - Hino FG 1628



VT 652 - Hino FE 1426



VT 652 - Isuzu FSR 140-260



Comprehensive Range of Options and Accessories:

Description:	Description contd.
Extended Warranty	Rear door safety prop - automatic or manual
Driver training	Reverse alarm - ECCO smart
12V in cab power supply	Rotatilt - RH
Air Blower - in cab	Rust proofing
Air Horn	Seat Covers
Auto Trans Temp Gauge	Signwriting
Addition beacons	Stone Guards
Auto greasing systems	Sunvisor
Boom—Top / rear mounted	Supawash detergent
Bullbar	Swept distance meter
Camera systems	Technical & Parts manual - Paper copy or USB
Chassis mounted storage - toolboxes / broom and shovel holders	Toolbox - in cab. Various positions with or without tools
Directional Light bars - Arrow board and light bars	Variagap - LH and RH
Floor mats	Wash down hose
GPS interface	Weed kill (LH single or LH and RH option)
Hand wash facility with soap dispenser	Window tinting (Rear, LH and RH)
Headlight Protectors	Window weather shields
High capacity water filters	Witches hat carrier
Nozzle LED worklights	Wide sweep brush power scrub
Powapak Walkway	



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The current Bucher international locations.

