

Specification Sheet

VT605 Sweeper

Series VT605 Suction Sweeper
Hino FG

Subject Technical Information & Data

Sheet: 1 of 2
Date: September 2009



Capacity	
Hopper voided volume	5.6m ³ nominal
Payload void	4.9m ³ nominal
Payload capacity*	Up to 4600 kg
Fuel tank	190 litres
Water tank	1300 litres
Hydraulic system	75 litres

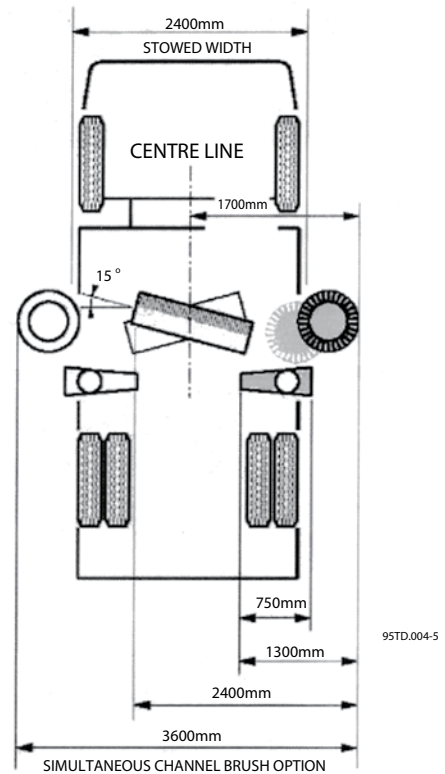
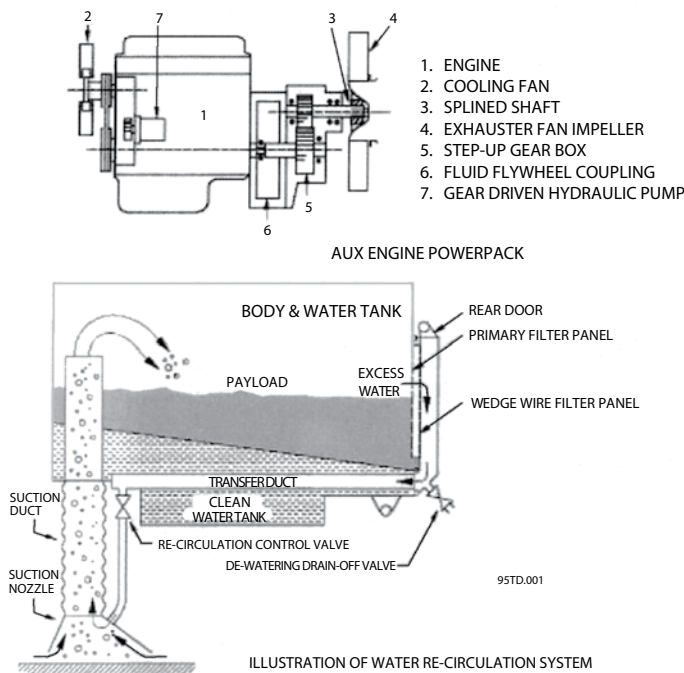
Sweeping Equipment	
Channel brush (CB)	ø 700mm
Wide sweep brush	ø 406mm
CB life expectancy	80 accumulated working hours (nom)
WSB life expectancy	150 accumulated working hours (nom)
Nozzle trunking diameter	ø 250mm
Nozzle width	750mm

Engine Data	
Model	Iveco N45 ENTX
Cubic capacity	4.5 litres
No. of cylinders	4
Gross rated power	104kW @ 2200rpm
Maximum torque	560Nm @ 1400rpm
Legislation compliance	Stage 3a NRMM Certified
Operational rpm	Variable between 1200 ~ 2000rpm
Sump capacity	10 litres
Ambient temperature	50°C world wide approval
Cold start capability	-15°C

General Data	
Chassis requirement	15000 kg
Wheelbase	3780mm nominal (chassis dependant)
Dump angle	54°
Door opening angle	125°
Filter mesh area	1.05m ²
Dust spray pump output	28 l/min
Dust spray water pressure	3.5 bar
Hydraulic suction filtration	125 micron
Hydraulic return filtration	25 micron
Hydraulic pump displacement	16.8 cc/rev. max output 32 litres

*Subject to loading conditions and waste type.

Technical Specification



Base Specification

Performance data

Exhauster fan

Heavy duty, dynamically balanced impeller with multivane corrosion resistant blades.

Operational speed variable between 2400rpm – 3500rpm to suit operation. Driven by auxiliary engine via step-up gearbox and fluid flywheel coupling.

Step-up gearbox ratio: 1.79:1

Channel brush

Quick release brush system with variable speed up to 200rpm (cab controlled).

Nozzle

Low noise suction system with 250mm diameter inlet, tool free adjustment.

Wide sweep brush

Quick release brush system with a nominal 160rpm rotation speed.

Dust suppression system

Dust suppression sprays located at suction nozzle(s), channel brush(es), and across front of vehicle.

Pressadrain water purging system.

Electrical system

24 volt

All external loom connections are full automotive IP67 rated.

Controls

Cab mounted master control panel housing sweep controls condition status indicator lamps, including:

- Raised hopper warning
- Auxiliary engine hour counter
- Equipment fuel gauge
- Low level lost water
- Engine tachograph meter
- Low level hydraulic oil indicator

In cab noise

<75 dB(A) (dependent on chassis selection)

Exterior noise

78 dB(A) nom at 7.5 metres from the axis of the machine.

Sound power level

L_{wa} 112 dB(A) for turbocharged engine measured in accordance with EC directive 2000/14/EC.

Body

Comprises of hopper, Integral water tank and engine cowl. Fabricated from heavy duty stainless steel plate.

Cowling is lined with frequency matched sound proofing material.

Water tank incorporates anti-surge baffles and filled via a type 'A' water hydrant fill. Water tight twin lock rear door latching system with de-watering function. Two body side access doors.

Standard Features

- Screen vibrators
- Supawash-handlance & hose reel only

Options

- Water recirculation
- Powaboom (Diam. 150mm)
- Powaboom (Diam. 203mm)
- Supawash-handlance, hose reel, full width front and nozzle spraybars
- Cowl/engine bay mounted additional work lamp
- Broom/shovel holder
- Electric mirrors
- Directional flashing light bar