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## Sweeper - CityFant 30

### Technical specification Bucher Cityfant 30

#### Hopper

Body and water tank in corrosion resistance stainless steel grade 430. Inspection door on either side of hopper. Hydraulic opening and closing of the self sealing rear door. Unique automatic locking device for tilting cylinder of hopper. Water level indication by water-pipe. Large debris-screen below hopper roof-top to prevent clogging of the air duct.

Pneumatically controlled lowering of debris-screen for easy cleaning. Encapsulated auxiliary engine to reduce noise during sweeping.

#### Engine

Hyundai D4BB, 4-cylinder in line diesel engine  
2'607 cm<sup>3</sup> displacement , 48 hp / 36 kW at 1'800 rpm

#### Transmission Exhauster drive:

Infinitely variable speed adjustment driven by multi V-belt drive and a special fugal clutch mounted on the engine flywheel.

#### Exhauster

HRV 300 heavy duty exhauster made of corrosion free stainless steel. Wear resistant multi blade execution with dynamically balanced impeller provided with maintenance flap.

Size and type of fan	Ø 610 mm / turbo
Air flow capacity	10'800 m <sup>3</sup> /h

#### Hydraulic

Gear pump 1: Driven by auxiliary engine for the broom motors and water pumps.

Gear pump 2: Driven by electro-mechanical motor or by chassis "gear box PTO" for tipping and tilting the hopper without auxiliary engine. Oil tank capacity 45 litre.

Oil cooler for hydraulic oil

#### Pneumatic :

Air is supplied by an independent compressor unit driven by the auxiliary engine.

The air is used for the actuation and lifting of various cylinders and valves.

Note: - Photos may show optional equipment and are only here as a sample



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## Water tank

Capacity	3.0 m3
Tipping angle	55°
Water tank	800 litre

## Water system

Water pump with cabin controlled solenoid valves for the water supply of spraying nozzles of the gutter brooms, main broom and suction nozzles.

"Automatic "water stop"" when lifting the sweeping equipment."

## Sweeping and Suction system:

Single sweeping system with either left or right suction nozzle and gutter broom.

Main roller brush and remote tilted suction nozzles for large material entry,

supported by heavy duty caster wheels. Trailed / pulled type gutter side broom for maximum cleaning performance. Unique automatic locking device for suction unit and main broom.

Side brushes.....	Ø 600 mm
Main broom.....	Ø 300 x 1'000 mm
Suction hose.....	Ø 200 mm
Suction nozzle.....	430x150 mm
Sweeping width.....	1'850 mm

## Electrical system :

24 volt fully water protected electrical system. Auxiliary engine is equipped with an alternator to supplement the truck system.

## Control panel

Bucher-Schörling "in cab" control panel to control and monitor auxiliary engine parameters, sweeping functions etc.

Infinitely variable rpm control for auxiliary engine and blower fan.

## Optionals

- Rear suction hose Ø 150 mm, 5 m long
- Cleaning hose incl. Spray nozzle, 10 m long

