

ICC 2 D ECO 2SB STAGE IIIa

City sweeper with an area performance of 37.600 m²/h. Interesting primarily for communes. This machine is especially for cleaning streets, parking and fair grounds.

Standard accessories:

- Power steering
- Heater
- Traction drive hydraulic
- Bulk waste flap
- Hydraulic container lift
- Container 1500 l
- 4-wheel chassis
- Ergonomic power steering
- Water tank 300 l

Order number: 1.183-123.0



Technical data

Drive	4-stroke diesel engine / VM, Stage IIIa certified
Drive – power	58 kW / 79 PS
Max. area performance m ² /h	33600
Working width (mm)	-
Working width (2)	-
mm	-
Sweeping width variable (mm)	1500-2100
Container (l)	1500
Load capacity (kg)	1480
Water tank (l)	300
Hill climbing ability (%)	25
Travel speed (km/h)	40
Operating speed (km/h)	16
Turning circle (m)	3.1
Hydraulic container lift (m)	1.55
Operating hours on one tankful (h)	18
Euro 3 emissions standard	-
Weight (kg)	2140

City sweepers

ICC 2 D ECO 2SB STAGE IIIa



Technical data

Dimensions (L x W x H) (mm)

3850x1130x1900

-

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Details

Description

The ICC 2 D Eco 2 SB Stage IIIa is a diesel-engine street sweeper used for the disposal of waste in communal and industrial areas.

TECHNICAL DESCRIPTION

Drive:

Water cooled 4 cylinder VM Stage IIIa diesel engine with direct injection and electric start (58 kW), reduced number of revolutions for high durance.

Infinitely variable hydraulic drive forward and backward.

Sweeping unit:

2 big side brushes with variable number of revolutions for leading the waste to the suction hose. Swinging suction hose with hydraulic lifting. Vertical standing suction turbine (patent) for reducing the height (1900 mm), with corrosion free high-grade steel body.

Waste container:

Corrosion free high-grade container with 1500 l capacity

Hydraulic container lift up to 1550 mm

Electrical equipment:

Lighting to German licensing regulations with floodlight, direction indicator, reversing light and beacon. ABE, TÜV, GS. Multifunctional display. Reverse travel signal as warning system. Safety ignition switch, operating hour meter, electric generator 12 V, 750 W, 62,5 Ah, battery 12 V-88 Ah.

Other:

Robust steel chassis with cabin

Water recycling system

Adjustable, cushioned seat

Hydraulic drum brake for the front wheels

Brake strengthening with vacuum pump

Hydraulic brake for the back wheels

Steering servo assisted

Application

Big area sweeping for outskirt areas e.g. footways, bikeways, streets, pedestrian zones, car parks, trade fair areas, industry and logistic centres.

Period of use is about 12-18 hours; about 200.000 - 450.000 m² can be swept.

Features & Benefits

300 l plastic watertank integrated in driver cabin, monitoring system inside the cabin.

Long working intervals without refilling, tank has noise damping function.

2 hydraulic driven side brushes, swinging from 1500 - 2100 mm working width, hydraulic liftable, protection and water jet.

Very flexible use, protected of damages, water jet for dust formation.

Outgoing air filter with grill for holding back light waste (e.g. leaves)

No leaving of sweeping waste when sweeping mode on

Outgoing airflow to the back of the machine

Working position stays clean, free from dust and outgoing air

Drive: Water cooled VM 4 cylinder diesel engine

Quiet, appropriate for multi-shift operation, eco-friendly, diesel engine with emission level Stage IIIa

All brushes steerable independent from each other and variable in gradient

Adaptable to different areas, e.g. possibility of sweeping kerbs

Ca. 1,5 m³ high-grade steel waste container, payload 1480 kg

Very high volume, robust and corrosion free

Electrical shiftable, hydraulic driven, vertical suction turbine (patent)

Collecting waste with suction hose, very quiet as there are no shredder sounds

Straight suction pipe divided in the middle above the inflection point (patent), easy to reach when container is necked

No danger of blockage, easy to maintain, no wearout of a suction pipe

Wide space operator cabin with adjustable, cushioned seat, adjustable steering column

Big legroom, optimal adaptation to wishes of the user, very comfortable

Overall height max. 1900 mm (without suction hose mounting kit)

No problems with underground parking lots or road signs

Hydraulic liftable suction system with water jet, driven on wheels in sweeping mode, bulk waste flap

Optimal sweeping performance on different conditions (floor, waste), good intake of abrasive waste.

Hydraulic container lift (maximum lifting height 1550 mm)

Direct cleanout in big waste container, no manual contact with waste, no health risk

Hydraulic 2x45° articulated-frame steering (servo-steering), turn radius 3.1 m, very agile, easy to operate, perfect directional stability when driving around corners

Hydraulic traction drive on the back wheels with hydraulic differential, driving pedal, braking pedal and handbrake

Maintenance-free and comfortable traction drive, driving brake via hydraulic and additionally via foot brake on both front wheels, parking interlot

Sweeping system: Sweeping and soakage of the waste

Good for intake of large volume waste (packages, tins, leaves)

Engine hour meter and operating hour meter (optional)

Control of service intervals, optimization of service intervals, reduction of empty drive

Emergency pump (manuel) for lifting the container for service operations when container can't be lifted hydraulically

Powder-coated tube frame chassis, 4-wheel-drive, air tires, spring mounted front axis, big 16" wheels

Comfortable even at 40 km/h and robust, curbs up to 13 cm are no problem for this machine

High-pressure pump (90 bar) with belt drive for water supply of the spray nozzle on the side brushes and in the suction tube, switchable to use it as high-pressure cleaner

Permanent water spray to bond the dust and clean the suction tube, as high pressure cleaner for manuel cleaning of smaller clinging dirt in case of cleaning and maintenance of the ICC 2

Center of mass of the lifted container is behind the axis

Accessories

Air conditioning / heating

Heating

For comfortable, fatigue-free operation in any weather

Order number 2.640-265.7



Air conditioning with heating

For comfortable, fatigue-free operation in any weather

Order number 2.639-614.7



Miscellaneous

Radio

With aerial and loudspeaker, dashboard-mounted

Order number 2.639-615.7



Deluxe seat

For comfortable and fatigue-free operation

Order number 2.639-618.7



Two rear view mirrors, heated

Ensure good rear view, even in cold weather

Order number 2.639-619.7



Miscellaneous

Central lubricating system

Fully automatic lubrication

Order number 2.639-635.7



Special paint finish

For front, rear, incl. side flaps, cover, waste container in desired colour

Order number 2.639-638.7



Roof window

Hinged art front and rear, made of Plexiglas

Order number 2.639-640.7



Reversing camera, incl. monitor

Makes reversing safer

Order number 2.639-641.7



Filling hose bracket

Bracket for filling hose, mounted behind left-hand side flap, including hose.

Order number 2.639-645.0



Speed limiter, max. 25 km/h

Legal requirement in some countries

Order number 2.639-825.7



Miscellaneous

Windscreen washer

For an unhindered view at all times

Order number 2.639-837.0



Warning strips

Reflecting warning strips for more safety in road traffic

Order number 2.639-869.0



Advertising panels

Space for an advertisement on the machine. Factory-installed only

Order number 2.640-603.7



Side brush mirror

For better view of the brushes

Order number 2.640-766.0



Hydraulic bypass

Deactivates hydraulic drive for easy recovery of machine

Order number 2.641-197.7



Brush relief, hydraulic

Minimizes brush wear

Order number 2.850-816.7



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Miscellaneous

Jack

Mobile hydraulic jack (up to 2000 kg) for lifting the machine when changing a wheel

Order number 6.369-518.0



Chock

To protect the machine against rollback on inclination

Order number 6.439-103.0



Cleaning rod

For cleaning the suction intake and intake duct

Order number 6.997-279.0



Side brush, soft

Side brush, extra soft

Sweeps fine dirt on all surfaces, for indoors and outdoors, Ø 600mm

Order number 6.906-733.0



Sweeping/Vacuuming

Suction hose for picking up leaves

With a water system. Suction hose mounted on right of waste container, water nozzle in handle

Order number 2.640-171.0



Warning beacon

Rotating warning beacon, rear

Additional rotating warning beacon on rear

Order number 2.639-672.0



Water spraying system

Spray nozzle control, can be activated separately on left and right

Adjustment of water flow to spray nozzles for dust suppression

Order number 2.640-216.7



Spray nozzle control, activates both sides

Adjustment of water flow to spray nozzles for dust suppression

Order number 2.640-217.7

