



ISAL 6000

THE NEW GENERATION SWEEPER

ONE SYSTEM FOR ALL SWEEPING NEEDS



Powerful

Mechanical/suction/filtering technology with load sensing electronic management

Ecological

Dry sweeping and PM1 certified Green filter

All-in-one

Best performance both in municipal and industrial operating

Saver

High speed sweeping to maximize the hourly yield. No water in the hopper = reduce the cost of waste disposal

Isal 6000 is the ideal choice for municipal cleaning of urban and suburban areas, ports and airports, and at the same time the most effective option for heavy duty sweeping of industrial plants (foundries, cement factories, mines) and for all the employments that requires the best sweeping performances without releasing dust in the air.



Performance and cost saving

ISAL 6000 is equipped with “automotive” hydrostatic traction, electronically controlled, with load sensing system to optimise power supply and energy saving in any working and driving condition.



ECO MODE FUNCTION ALLOWS TO SAVE UP TO 25% OF FUEL



Ease and functionality

All the driving and working functions of the machines are easily manageable through the control panel with colour display and function keys, installed next to the steering wheel.

Intuitive graphics and user-friendly controls make it easy and quick to learn to use and manage all the driving and sweeping operations.

Accuracy and effectiveness

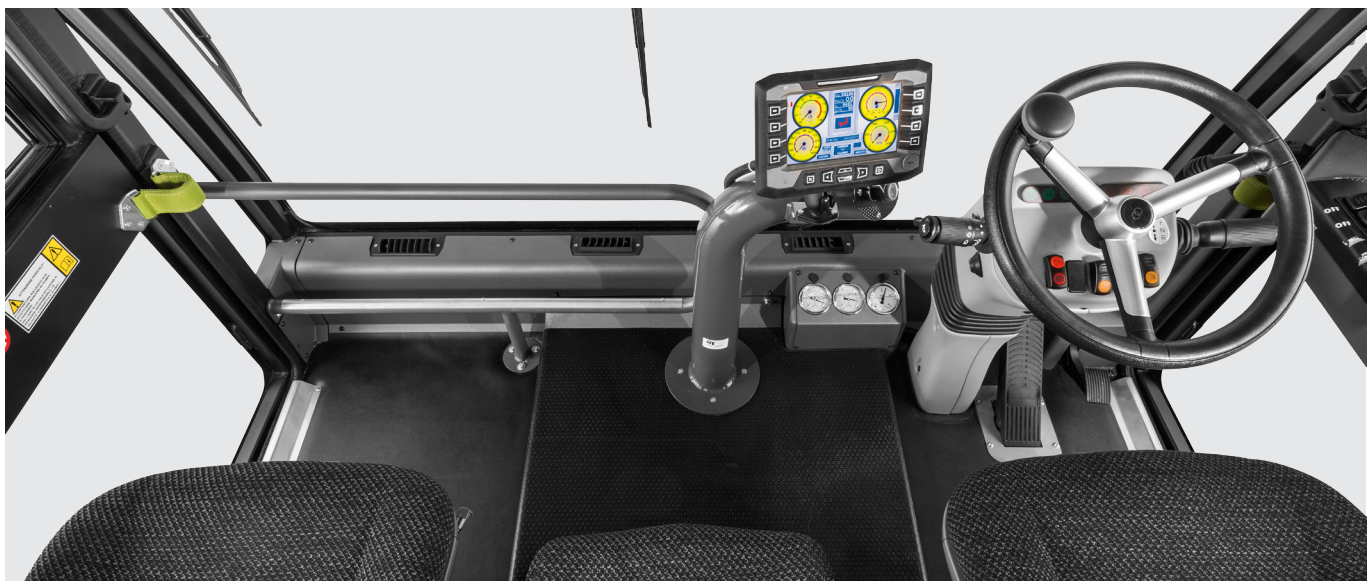
The ground pressure of the central brush is automatically controlled by means of a patented hydraulic system “CDS - Clever Detective System” which controls and adjusts the pressure of the central broom, keeping constant the load on the ground, regardless of the type of surface on ground dips. This ensures the best sweeping accuracy and the lowest wear of the broom.



Ergonomy and comfort

The cabin is designed to offer top level comfort and ease of driving, with the highest safety and ergonomic standards and full control of all the working phases.

The cabin has three type-approved seats and no central tunnel, for the best access of operators.

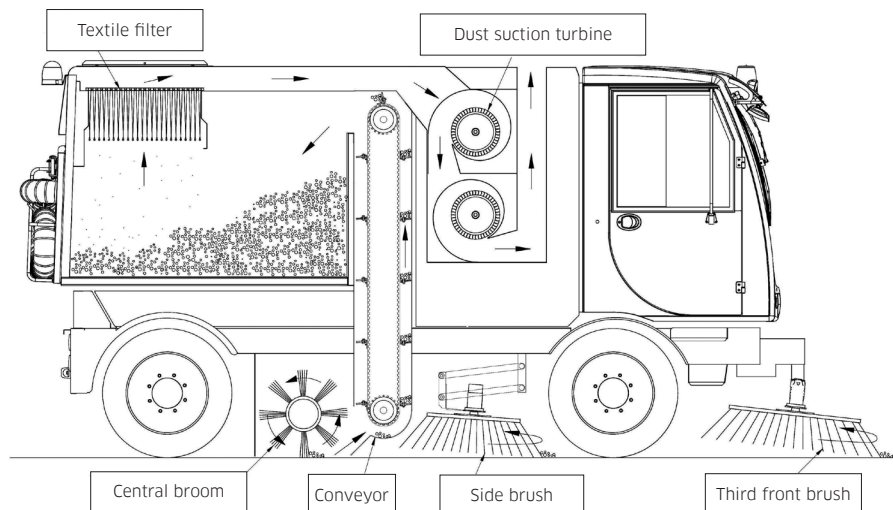


THE MOST EFFECTIVE SOLUTION

Mechanical, suction and filtering combined sweeping system.



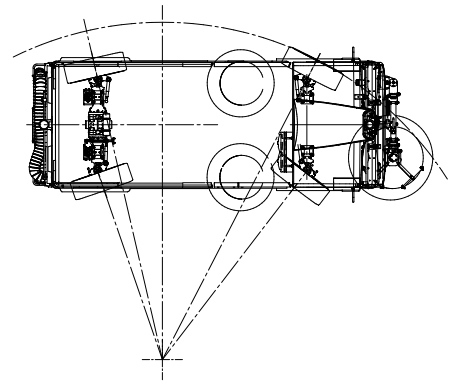
The combined **mechanical / suction / filtering** collection guarantees powerful and fast loading of any type of material from dust to leaves, as well as gravels and large debris. An effective suction system optimises the collection of dust and light materials and the filtering system, made up of a battery of polyester filters, captures fine dust particles up to PM10 under all operating conditions, by eliminating almost completely the introduction of pollutants into the atmosphere.



The collection of materials occurs mechanically by means of two hydraulically operated side brushes, which convey the debris to the centre of the machine where a broom transfers them at high speed on the blades of a vertical conveyor and then into the hopper.

4-wheel steering

The synchronized steering on both axes allows better manoeuvrability in all operating situations and maximum sweeping accuracy, even when turning.



High dump

6 m³ AISI 304 stainless steel waste hopper dumping high – 1,340 mm - 2,400 mm (optional)

Two automatic driving modes

Eco Mode: driving at maximum speed (42 km/h) at low rpm, to reduce fuel consumption up to 25%

Power Mode: driving at maximum speed (42 km/h) even fully loaded and while climbing. Always with best rates of fuel consumption.



Easy access to all mechanical and hydraulic parts for quick maintenance operations

THE MOST SUITABLE CONFIGURATION

Standard



- 3 seats cabin
- Full electronic management of operations
- Water dust control
- Textile filter
- Centralized greasing system
- Big diameter road tyres

Optional



- High dumping system up to h 2.400 mm
- 3rd front brush
- High pressure washing
- Wander hose
- Rear and working view cameras

- Brush covers
- Green microfiber filter
- Automatic greasing system
- Radio set
- Spare wheel

TECHNICAL DATA

Sweeping system

Mechanical - suction - filtering

Engine

Diesel engine "Mercedes" 4 cylinders 129 kW Stage 3A

Diesel engine "VM" 6 cylinder 115 kW - EURO 6

Traction

Hydrostatic traction on the front wheels, speed from 0 to 42 km/h

Steering

Power steering

Cabin

Pressurized with heating and air conditioning, three seats

Sweeping system

Central cylindrical broom + 2 side brushes

Vertical belt conveyor

Suction system

2 turbines, hydraulically controlled

Filtering system

Polyester filter, hydraulic filter shaker

Waste hopper capacity

6 m³

Waste hopper dump

High rear dump, height 1,340 mm (optional: height 2,400 mm)

Brakes

Front and rear hydraulics disc brakes

Sweeping path

Up to 3,600 mm

Double speed: power and economy

Working speed: 0 - 20 km/h

Displacement speed: 0 - 42 km/h

Dimensions 2,115 mm. x 5,924mm x 2,940 mm (width / length / height)*

Total weight 13,000 kg

*Depending on the version





Notes

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