

# Inverter Monoblock Unit mod. 350TA

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Year 2025

Technical Sheet  
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Deep Hygiene



Silent



Safe



Eco Friendly



Practical



Versatile

# Inverter monoblock unit mod. 350TA.

**Users:** 3 simultaneous operators

**Work area:** 2000-4000 m<sup>2</sup>

Advanced technology and high-level performance are enclosed in a single compact unit, combined with reduced energy consumption thanks to the inverter system.

The turbine's output and corresponding power consumption continuously adjust based on the type of surface being cleaned and the number of operators using the system, enabling energy savings of up to 50%.

**Installation:** Easy to install thanks to the self-supporting frame with adjustable feet. Simply place the unit in the designated room, connect the air inlet and outlet pipes, plug it into a socket, and the central unit is ready to be used.

**Power On/Off:** Standard configuration allows connection to the low-voltage line of the vacuum inlets. Alternatively, it can be connected to the patented IWS system, enabling remote control via the wireless handle, with no low-voltage wiring required between the various vacuum inlets.

**Side-Channel Vacuum Turbine:** Placed in a soundproofed upper section of the monoblock unit. Wide modulation range from 30 to 86 Hz. The turbine is coupled with a brushless electric motor (no sliding parts), requiring no maintenance. Double impeller for increased stability. Average life: approximately 40,000 hours.

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**Inverter Management:** The turbine's performance and power consumption continuously adapt to the kind of surface being cleaned and the number of simultaneous user are using the system, resulting in energy savings of up to 50% and an extended lifespan of the suction unit.

**Pressure Transducer:** Integrated sensor for real-time depression monitoring.

**Self-Cleaning filter:** Equipped with an electro-pneumatic self-cleaning system with programmable rimings, dedicated compressor and air tank. The filter is kept clean by jets of compressed air along its internal surface, freeing it from dust which then falls into the dust bag. Ensures constant vacuuming performance, restricting the maintenance times. Washable polyester filter.

**Removing of dust container:** Quick-release handle of dust container removal with wheels.

**Two frontal quick buttons:** One for maintenance reset; one for manual self-cleaning filter.

**Front Quick Button:** Button for maintenance reset.

- Galvanized steel components for the air exhaust line included in the packaging:
  - 1 Steel silencer Ø100 for exhaust noise reduction
  - 1 Steel elbow MM 90° Ø100
  - 1 Steel sleeve FF Ø100
- Also included: 2 rubber sleeves Ø100 with 4 metal clamps and 1 dust bag.

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**Display LCD Panel:** A user-friendly interface that allows intuitive visualization of the Monoblock Unit's parameters and settings (inverter, self-cleaning, maintenance, and alarms), with customizable favorites and self-cleaning times based on the final user needs. The panel can also be remoted via UTP Cat. 5e RJ-45 cable.



## Technical information.

Technical data		Mod. 350TA
Users*		3
Work area	m <sup>2</sup>	2000-4000
Self-cleaning		YES
Inverter		YES
Soundproof box for turbine		YES
Metal Silencer for air exhaust		YES
Dimensions		
Container capacity	l	120
Diameter	cm	Ø55
Filter Surface Area	m <sup>2</sup>	3,6
Inlet/Outlet Diameter	mm	Ø100
Height	cm	182
Width	cm	74
Depth	cm	81,5
Weight	kg	159
Performance technical data		
Operating airflow at 160 mbar	m <sup>3</sup> /h	400
Maximum Airflow	m <sup>3</sup> /h	530
Operating Vacuum – Setpoint	mbar	160
Maximum operating vacuum setting	mbar	220
Maximum Vacuum	mbar	420
Maximum Noise Level**	dB A	66
Electrical technical data		
Motor Power	Kw	5
Power Supply	V	380
Supply Frequency	Hz	50/60
Current Draw	A	12,6
Motor Thermal Protection		YES
Overcurrent Protection		YES
Maximum Frequency	Hz	86
Protection Rating		IP20
Electrical Insulation		

\* The number of operators may vary depending on the type of application

\*\*Noise level measured in accordance with UNI EN ISO 3744 standard

General D'Aspirazione

Since 1974 pioneers in the Italian market  
in the centralized vacuum cleaning sector.



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### OPTIONAL

**BMS Interface:** Ready to be equipped with a four-output relay module allowing connection to the building's BMS to receiving signals such as motor ON, general fault, container monitoring, and filter control.



**Vortex Pre-Separator:** Keeps over 98% of vacuumed dust through cyclonic motion, without any internal filter to clean. Protects the vacuum unit, significantly improving self-cleaning performance in environments with large quantities of fine dust. Can be integrated into existing systems and it is recommended where fine dusts are prevalent.

**Vortex Pre-Separator with automatic discharge:** Maintains all features and benefits of the standard Vortex, with the addition of an automatic discharge system. Ideal for vacuuming large volumes of material where collected product needs to be directed into dedicated containers. Support frame customizable to specific needs.

## General D'Aspirazione

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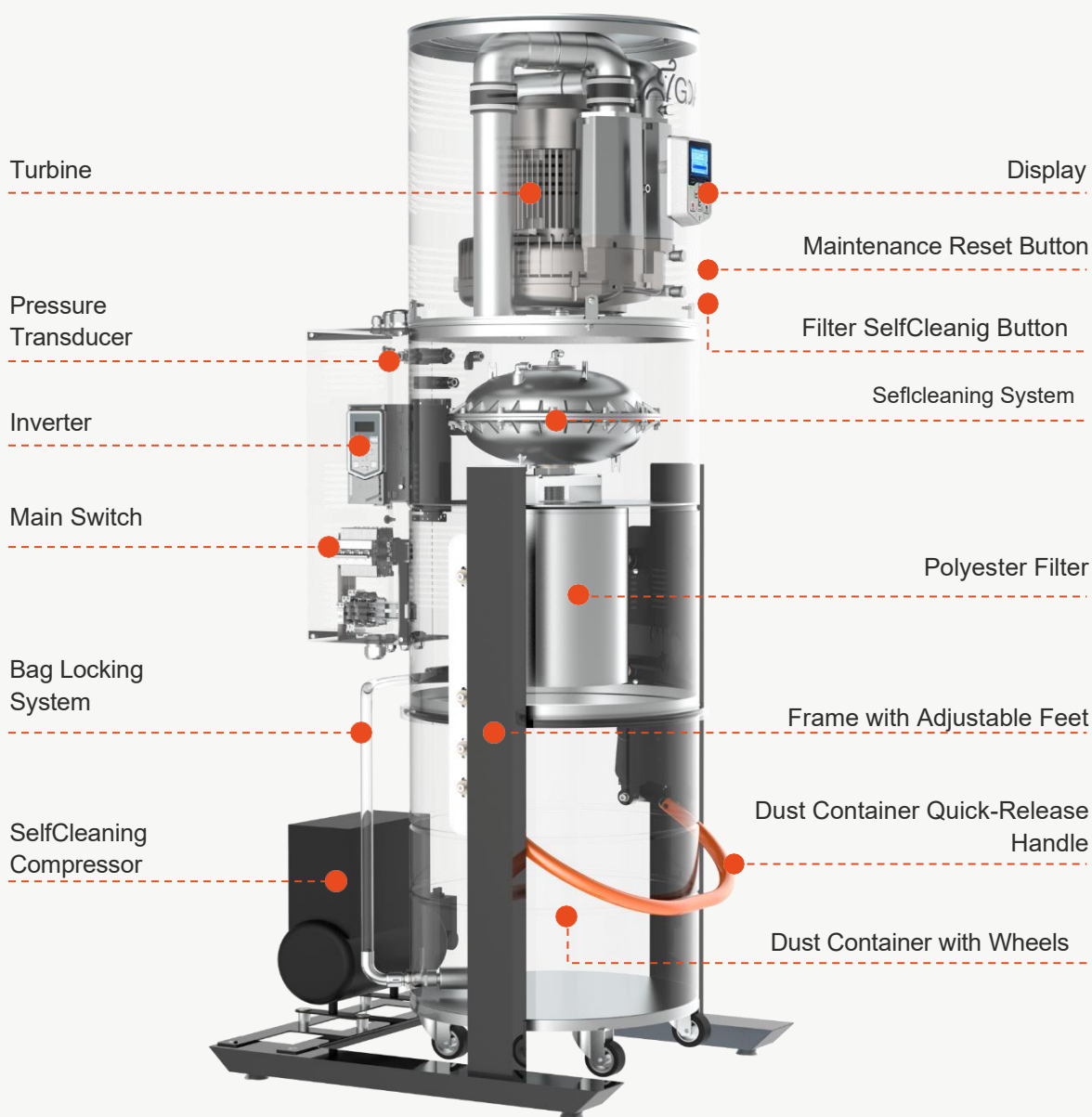


Pre-Separator Vortex



With Automatic Discharge







OLK/



**General D'Aspirazione s.a.s.**

generaldaspirazione.com  
+ 39 0541 931012

Del Lavoro street, 9/11 - San Mauro Pascoli - 47030 (FC) Italy