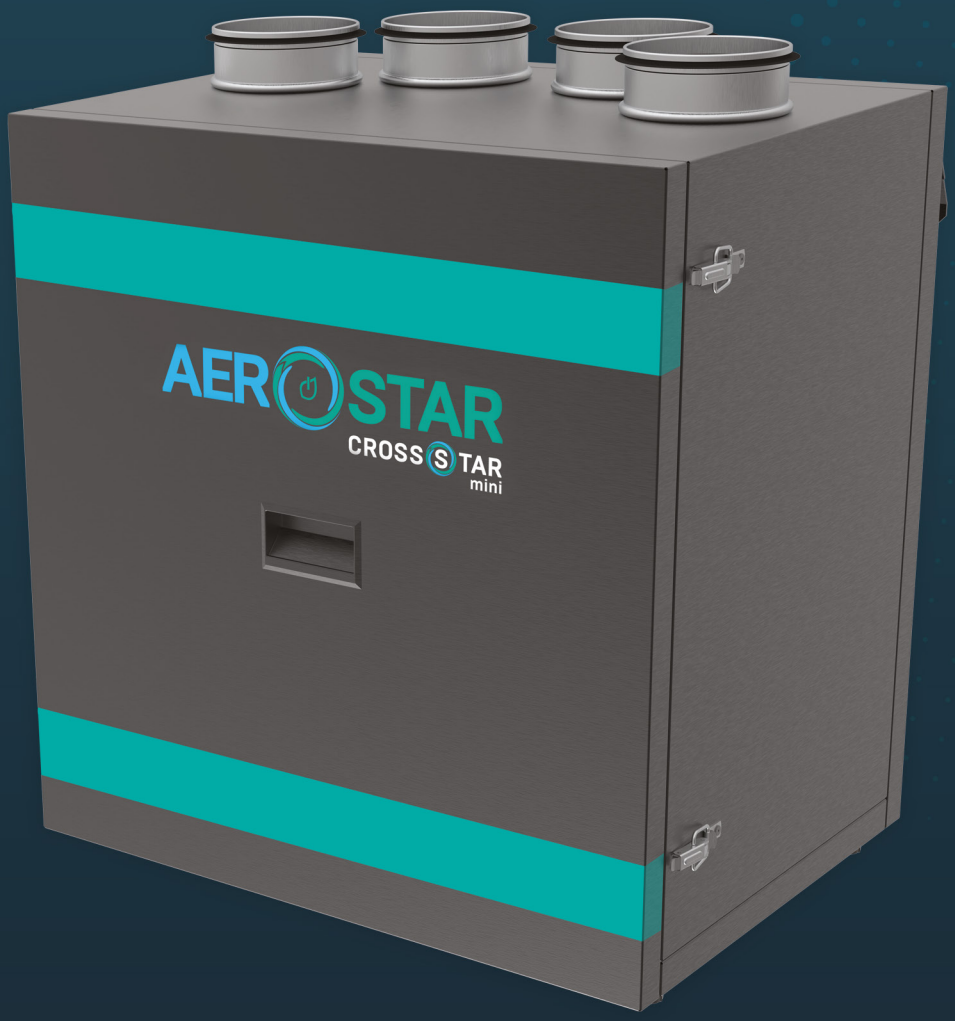
AEROSTAR

CrossStar mini 200 EC XV

Multifunctional Air Handling Unit

AIRFLOW RATE – 50-200 M³/H



eco



TYPE OF UNIT

Energy-saving supply and exhaust unit with rotary heat exchanger

AIRFLOW RATE

50-200 m^3/h

APPLICATION

- Private houses and multi-room apartments
- Small offices or premises requiring general ventilation and kitchen exhaust

FEATURES:

Control the unit anytime from anywhere in the world using any convenient device. Just connect the unit to the power supply and install the air duct system.

Efficient energy use due to highly energy-efficient components.

Ultra-compact housing.
No commissioning required (plug-and-play installation).

Suitable for installation in any technical room.



INSTALLATION

- This unit has vertical air duct connections.
- Designed for indoor installation.
- Can be installed on the floor or as a suspended unit (equipped with adjustable feet and a special bracket on the rear panel).

ADDITIONAL OPTIONS:

- Option to apply lacquer coating on the inner panel surfaces for additional protection.
- Option to paint in any RAL palette color.
- Air duct connection Ø 125 mm.

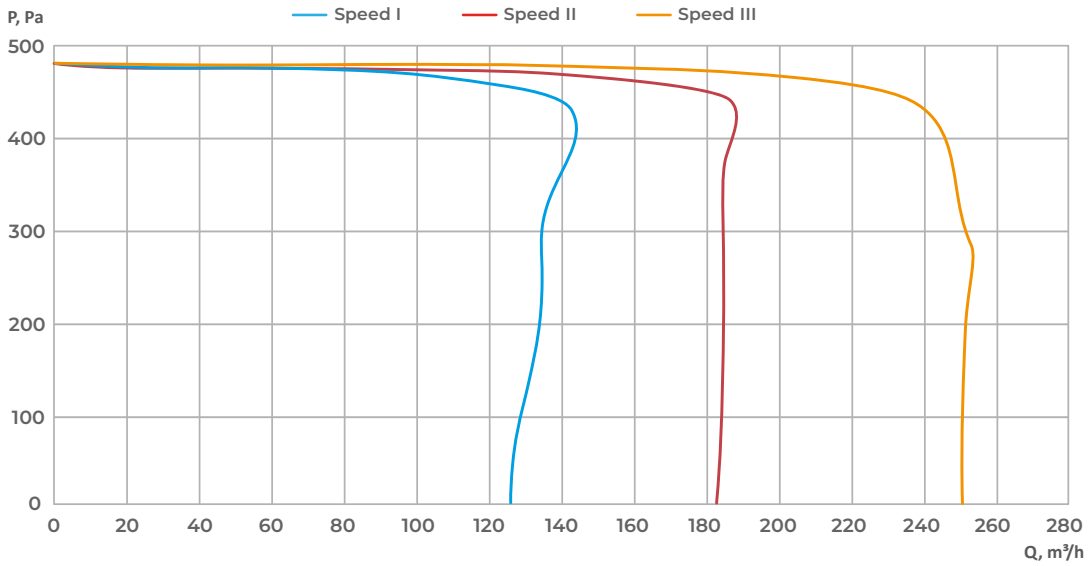
* Airflows:
A – Fresh air intake from outside
B – Supply air to the room
C – Exhaust air from the room
D – Exhaust air discharge to outside

Width:	mm	450	Height:	mm	700
Total depth:	mm	600	Total weight:	kg	51
			Rated power consumption: 0.1 kW		
Unit dimensions, weight and configuration are preliminary and can be optimized upon request.					

FANS:

EC FANS

Direct-drive fan assembly. The impeller is mounted directly on the motor shaft, which **increases the fan's efficiency.** This unit uses two EC fans. Across a wide operating range, they maintain a constant airflow even as filters become clogged, consistently supplying the user with the required amount of fresh, clean air.



- EC motors offer higher reliability.
- The integrated electronic control system allows speed adjustment according to airflow requirements while maintaining high efficiency.

FILTERS:



CASSETTE FILTER

- Durable galvanized metal frame.
- Filter media is fixed on a mesh.
- Made of polyester fibres.

Filter energy efficiency class: D

G4 - (ISO Coarse 70%)
M5 - (ISO ePM10 85%)
F7 - (ISO ePM1 70%)
F9 - (ISO ePM1 85%)



POCKET FILTER

- Pocket design **increases filtration area** and ensures maximum efficiency.
- The frame is made of durable PVC plastic.

Filter energy efficiency class: D

G4 - (ISO Coarse 70%)
M5 - (ISO ePM10 85%)
F7 - (ISO ePM1 70%)

RECUPERATOR

The recuperation system allows the reuse of exhaust air energy from the room for heating or cooling incoming outdoor air. Using the recuperator allows for the **regeneration of up to 85% of the exhaust air's energy.**



- Condensation
- Enthalpy

ROTARY RECUPERATOR

In rotary recuperators, heat transfer from exhaust air to supply air is carried out using a rotating matrix with different types of coatings.

The matrix of the rotary recuperator consists of two layers of aluminum foil, smooth and corrugated, applied one over the other. The efficiency of heat recovery may vary depending on the height of the corrugated tape and the rotation speed of the wheel.

In the CrossStar mini 200 unit, operation with a kitchen hood is provided. When the controller receives a signal to turn on the kitchen hood, the dampers of the supply and exhaust air channels open, and the unit's fans change speed. The supply fan switches to maximum, while the exhaust fan reduces speed. Optional control of the kitchen hood damper drive — open/close — is available.



Convenient control of the unit from a smartphone using the Aerostar APP



Gives you the ability to:

- monitor the operating parameters of the equipment
- change settings
- receive notifications about emergencies
- consult with the AEROSTAR service team

FOR ANDROID DEVICES

FOR IOS DEVICES

- individual settings
- all units on one screen
- personal schedule
- reports
- instant emergency notifications
- customer support

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