



komfovent®
domekt

NEW!

KOMFOVENT DOMEKT RECU 500PECF-EC-C4

KOMFOVENT KOMPAKT RECU 500PECF-EC-C4
with a high efficient plate heat exchanger and
electronically commutated motors EC.

Air volume is up to 650 m³/h.

Exclusive advantages:

- Energy efficiency – 92%.
- Energy efficient motors EC.
- Compact thin casing.
- Extremely quiet unit operation.

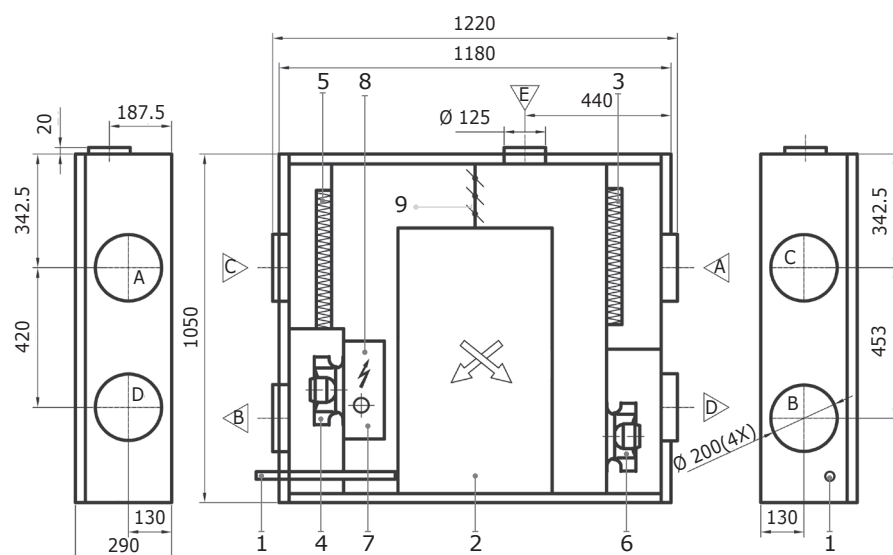
Unit is developed and designed to create mechanical ventilation and heat recovery in flats, apartments or other residential premise up to 200 m².

High-efficient plate heat exchangers and EC motors guarantee the most effective and economical unit operation: up to 92% of energy required for supplied air heating is recovered and used from the exhausted air.

Unit is produced with a fully integrated automatic control C4 with the wall mounted panel which is handy and simple in use and ensures the most economical unit functioning and necessary control.



**ENERGY
efficiency
92%**



Explication

- 1 Drainage
- 2 Plate heat exchanger
- 3 Supply air filter
- 4 Supply fan
- 5 Exhaust air filter
- 6 Exhaust fan
- 7 Electric air heater
- 8 Automation control system
- 9 By-pass damper

- A Outdoor intake
B Supply air
C Extract indoor
D Exhaust air
E By-pass – extraction without heat recovery



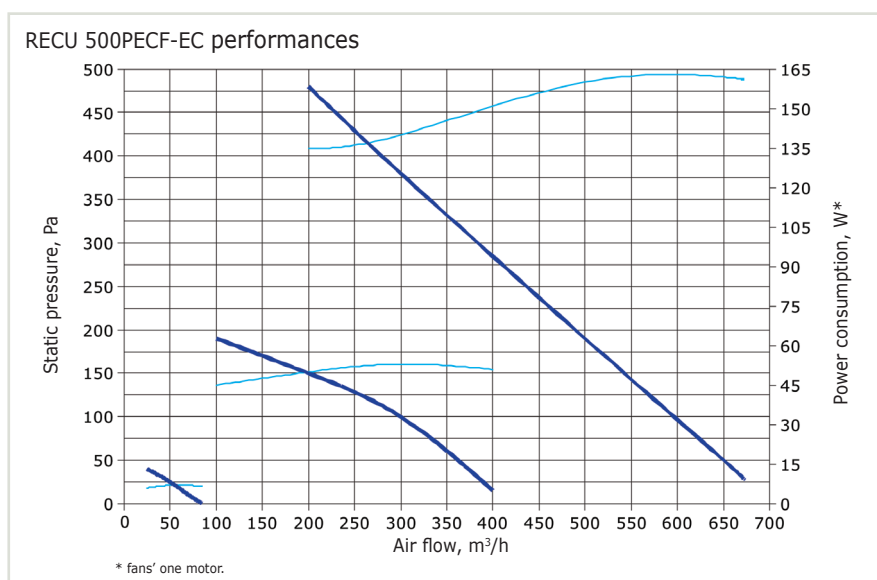
komfovent®
domekt

Construction features:

- 2 ventilation systems in 1 unit:
Ventilation of premise + extraction of used air through an additional diffuser, extraction without heat recovery.
- High performance of high efficiency plate heat exchanger from plastic – fully separated air flows, by-pass.
- Plate exchanger's energy effective freezing protection using bypass.
- F5 class air filters.
- Extremely compact dimensions.
- Unit's special design with an extremely low height of 290 mm gives us possibility to mount the unit horizontally – hiding by the false-ceiling.
- Inspection doors with locks and with removable hinges for easier mounting of the unit.

Performance features:

- Fully integrated automatic control with a wall mounted control panel.
- User-friendly, easy and convenient unit control.
- Individual control of ventilation intensity.
- Possibility to connect a wall mounted control panel C4 PLUS with a touch screen.
- Choice of economical mode operation: summer/winter.
- Summer by-pass operation.
- Possibility to connect unit to the "Smart house" system.



Technical data		500PECF-EC-C4
Nominal air flow	m³/h	500
Supply voltage	V/Hz	~230 / 50 / 1 phase
Maximal operating current	A	6.9
Fan power	W	2 x 165
Electric heater capacity	kW	1
Thermal efficiency of plate heat exchanger up to	%	~92
Energy recovery of plate heat exchanger	kW	~6.6
Unit dimensions (L x B x H)	mm	1050 x 1180 x 290
Ductwork connection	mm	Ø 200
Supply air filter	mm	410 x 200 x 46-F7
Exhaust air filter	mm	410 x 200 x 46-F7
Unit weight	kg	70
Thickness of the unit panels	mm	25
Unit color		RAL 7035