

KOMFOVENT KOMPAKT RECU 4000

Technical data

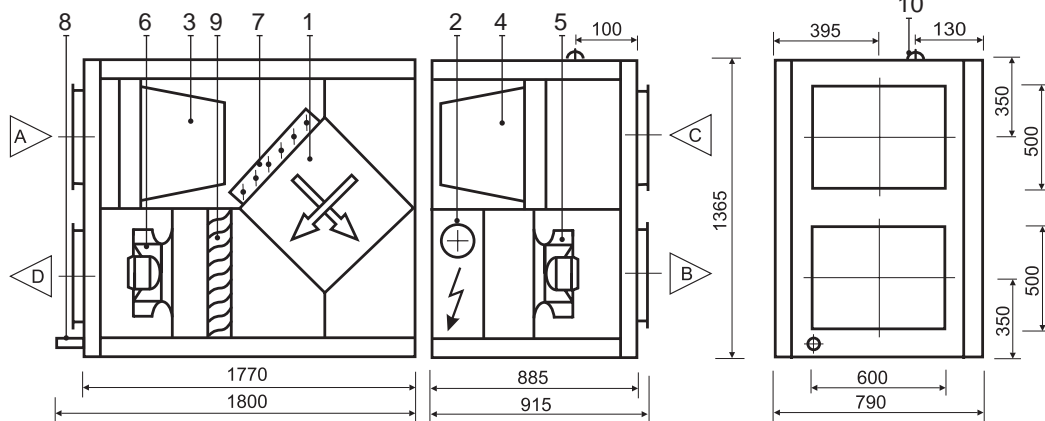
RECU 4000HE (horizontal)

Panel thickness	45 mm
Unit weight	605 kg
Nominal air flow	4000 m ³ /h
Supply voltage	3~ 400/50 V/Hz
Maximal operating current	44,4 A
Control system	KOMFOVENT C3

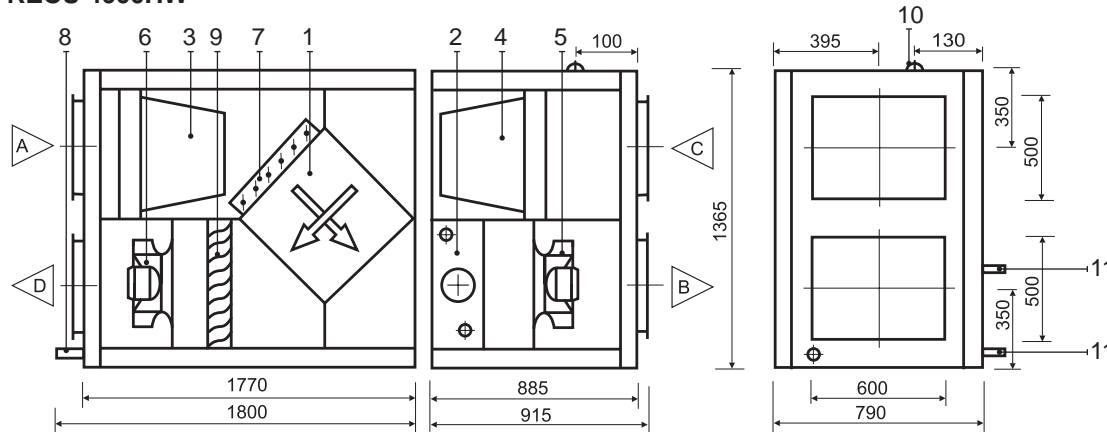
RECU 4000HW (horizontal)

Panel thickness	45 mm
Unit weight	605 kg
Nominal air flow	4000 m ³ /h
Supply voltage	3~ 400/50 V/Hz
Maximal operating current	10,1 A
Control system	KOMFOVENT C3

RECU 4000HE



RECU 4000HW



- A Outdoor intake
- B Supply air
- C Extract indoor
- D Exhaust air

Design:

1. Plate heat exchanger
2. Electric or hot water air heater
3. Supply air filter
4. Exhaust air filter
5. Supply fan
6. Exhaust fan
7. Air by-pass damper
8. Condensate drain (the water trap must be installed)
9. Drop eliminator
10. Connection of main cable
11. Fluid connection tube

Thermal Efficiency (4000 m³/h)

Parameters	Supply	Exhaust	Unit
Intake			
Temperature	-5	0	20 °C
Relative humidity	82	82	45 %
Supply			
Temperature	7,5	10	°C
Relative humidity	31	41	%

Acoustic Data

Supply air flow (into air ducts)	Unit
Intake	72
Supply	86
Exhaust air flow (into air ducts)	
Intake	73
Supply	86
Surrounding	57

LWA dB(A)
LWA dB(A)
Lp3 dB(A)

Parameters	Supply	Exhaust	Unit
Nominal air flow	4000	4000	m ³ /h

Air Filters

Filter class	F5	G4	
Type	Bag filter	Bag filter	
Dimensions b x h x l	592x592x360	592x592x360	mm

Fans Motors

Input power	1500	1500	W
Rotation speed	2890	2890	rpm
Protection level	IP 55	IP 55	IEC 34-5

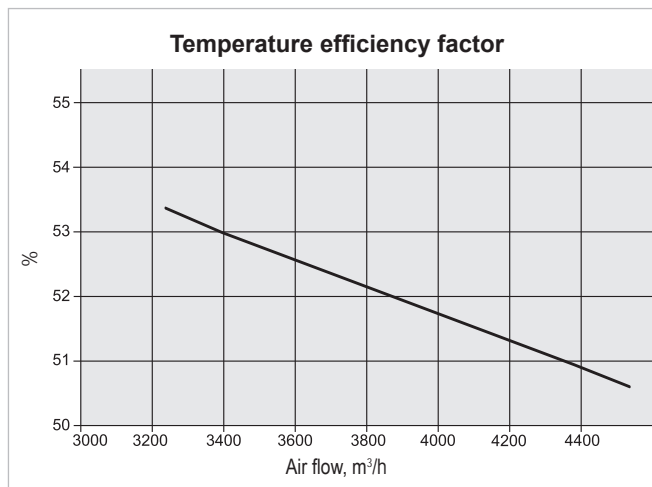
Plate Heat Exchanger

Thermal efficiency	53,2		%
Energy recovery	21,4		kW
Air temperature in/out	-10/6	20/6,8	°C
Relative humidity in/out	82/23	45/89	%

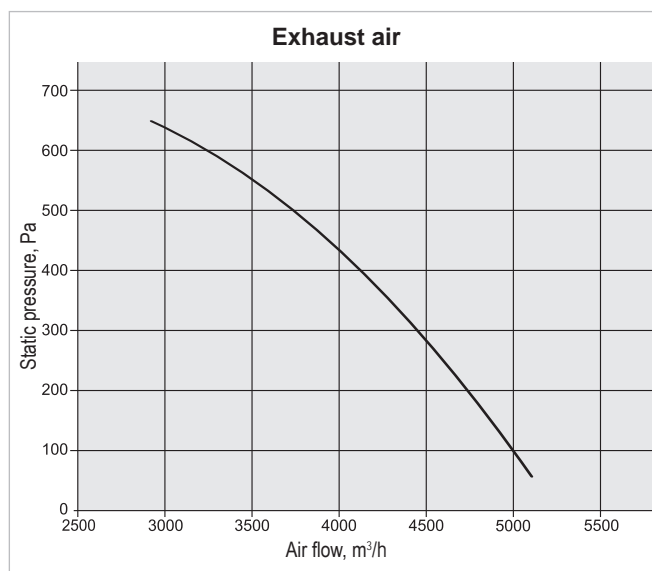
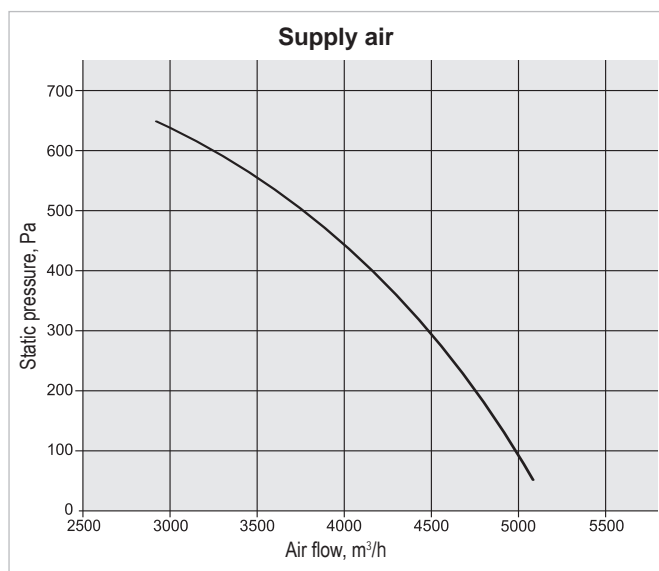
Electric Air Heater

Capacity	24		kW
Air temperature in/out	1,5/20		°C

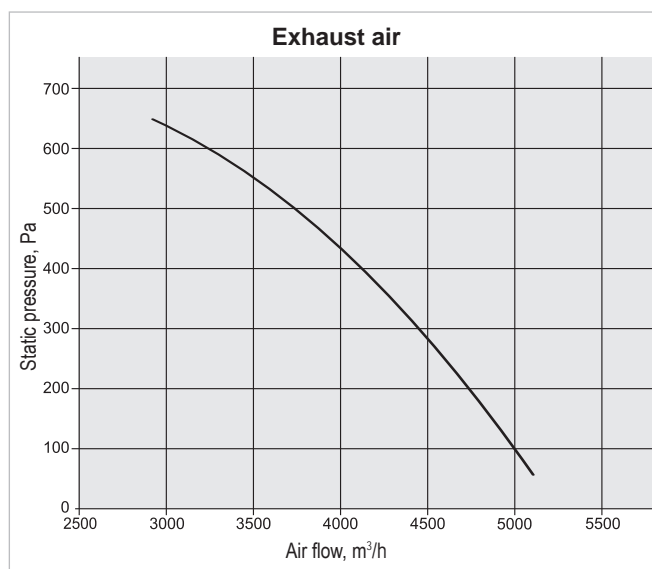
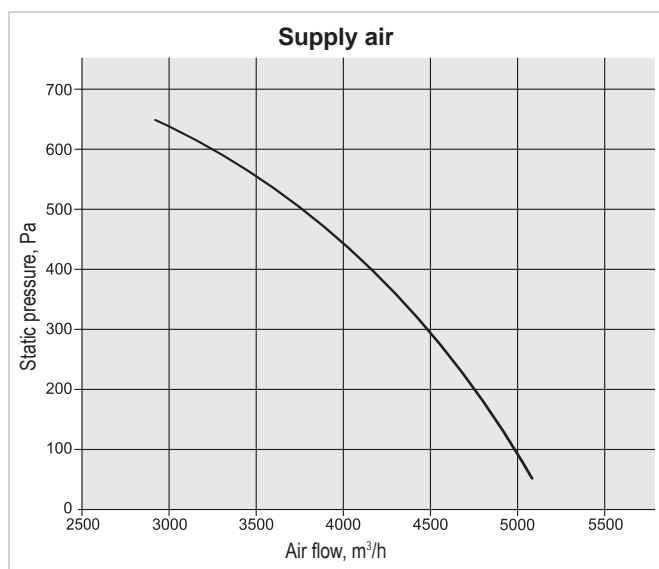
Parameters				Unit
Hot Water Air Heater				
Water temperature in/out	90/70	80/60	70/50	°C
Capacity	48	41,8	35,7	kW
Flow rate	2114	1833	1555	dm ³ /h
Pressure drop	23	18	13	kPa
Connection	1			"
Air flow 4000 m ³ /h temperature in/out	-5/30,6	-5/26,1	-5/21,5	°C



Performance RECU 4000HE



Performance RECU 4000HW



Correction factor for F7 class filter approximately – 70 Pa.