

KOMFOVENT KOMPAKT RECU 4000

Technical data

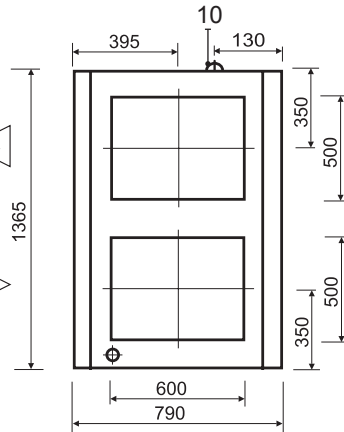
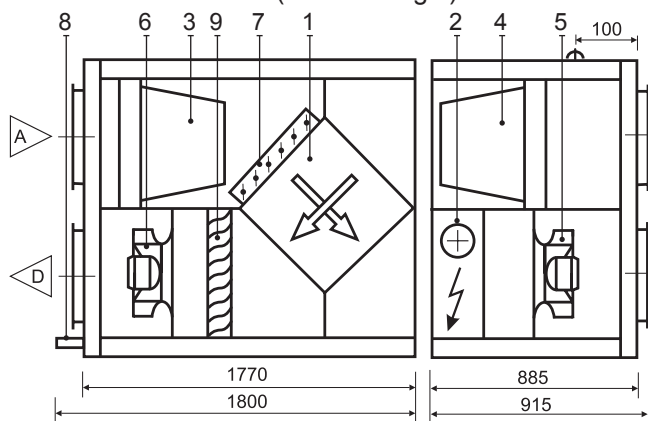
RECU 4000HE-AC/EC (horizontal)

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	44,2/38,2 A
Control system	KOMFOVENT C3

RECU 4000HW-AC/EC (horizontal)

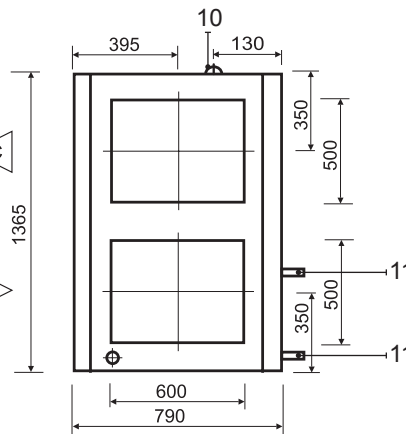
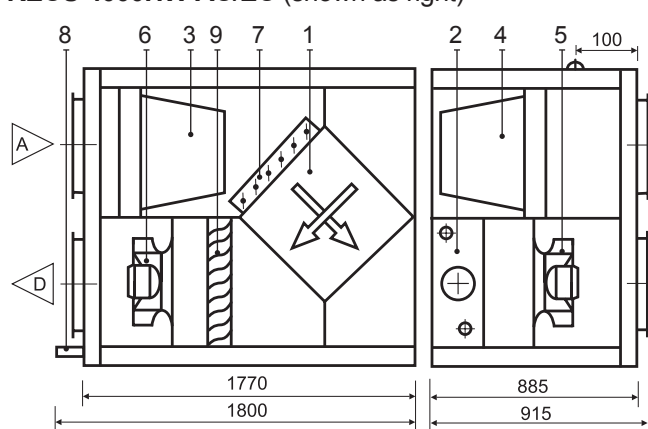
Panel thickness	45 mm
Unit weight	620 kg
Nominal air flow	4000 m ³ /h
Supply voltage	3~ 400/50 V/Hz
Maximal operating current	9,4/3,9 A
Control system	KOMFOVENT C3

RECU 4000HE-AC/EC (shown as right)



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

RECU 4000HW-AC/EC (shown as right)



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 D=28 mm)
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
Relative humidity	82	82	45
Supply			
Temperature	7,5	10	
Relative humidity	31	41	

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

Air Filters

Filter class	F5	G4	
Type	Bag filter	Bag filter	
Dimensions bxxhxl	592x592x360	592x592x360	mm

Fans Motors

Type	AC/EC	AC/EC	
Input power	1500/1000	1500/1000	W
Rotation speed	2890/2140	2890/2140	rpm
Protection level	IP 55/54	IP 55/54	IEC 34-5

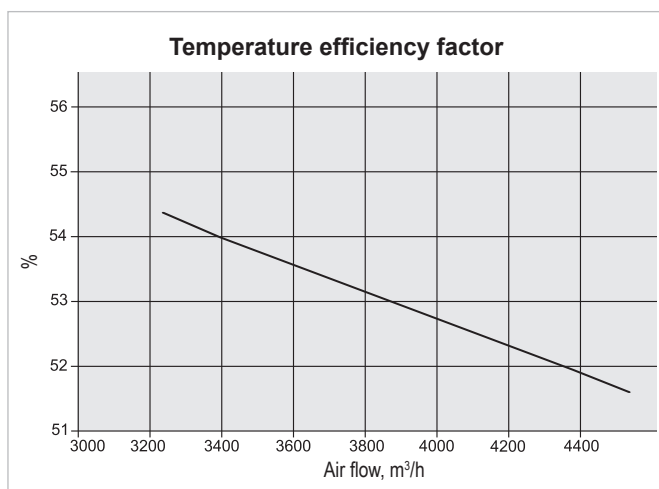
Plate Heat Exchanger

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

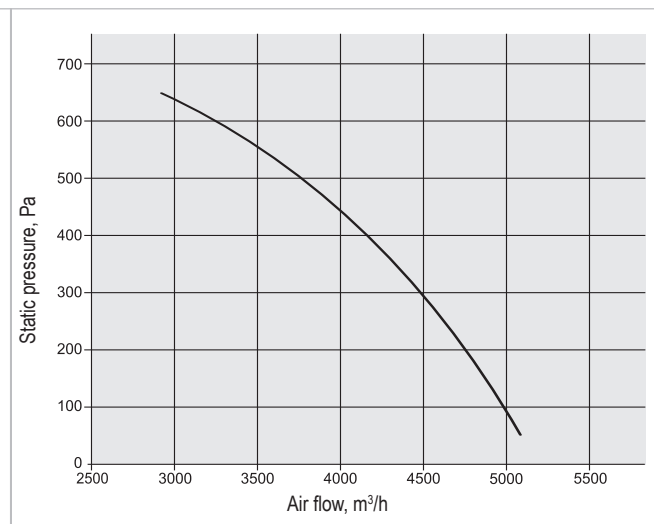
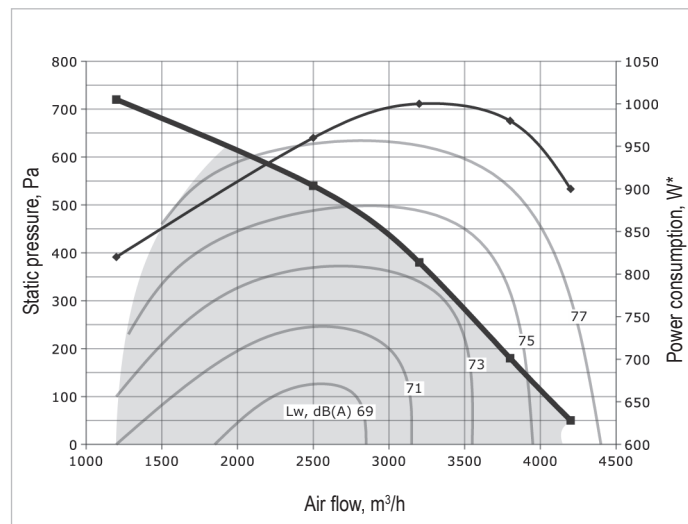
Capacity	24		kW
Air temperature in/out	1,5/20		°C

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-EC / RECU 4000HW-EC

RECU 4000HE-AC / RECU 4000HW-AC



■ - air handling unit working zone.

* - fans' one motor.

Correction factor for HW approximately – 30 Pa at 4000m³/h.

Correction factor for F7 class filter approximately – 70 Pa at 4000m³/h.