

KOMFOVENT KOMPAKT RECU 3000

Technical data

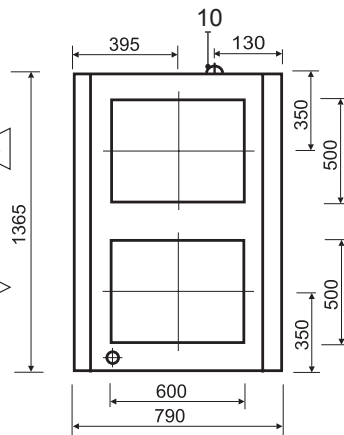
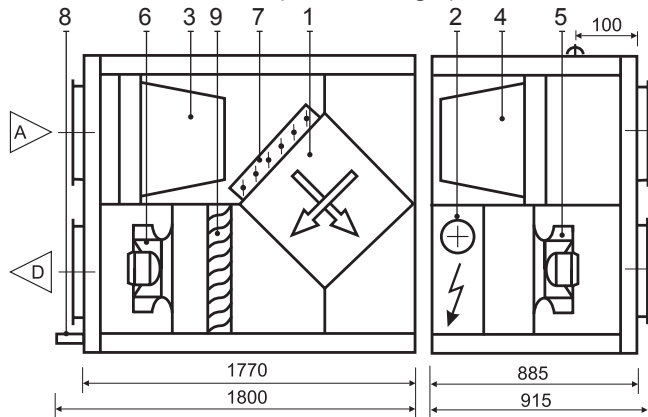
RECU 3000HE-AC/EC (horizontal)

Panel thickness	45 mm
Unit weight	530 kg
Nominal air flow	3000 m ³ /h
Supply voltage	3~ 400/50 V/Hz
Maximal operating current	34,7/29,9 A
Control system	KOMFOVENT C3

RECU 3000HW-AC/EC (horizontal)

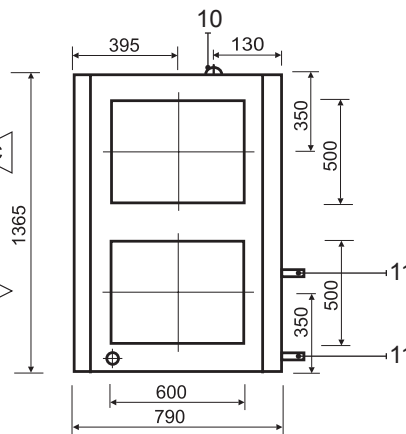
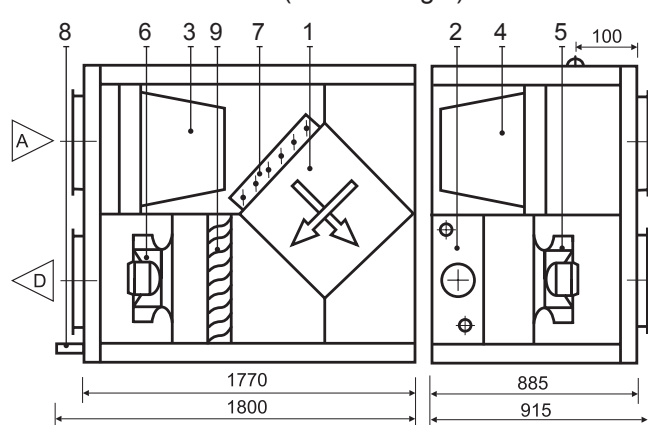
Panel thickness	45 mm
Unit weight	540 kg
Nominal air flow	3000 m ³ /h
Supply voltage	3~ 400/50 V/Hz
Maximal operating current	8,1/3,9 A
Control system	KOMFOVENT C3

RECU 3000HE-AC/EC (shown as right)



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

RECU 3000HW-AC/EC (shown as right)



Design:

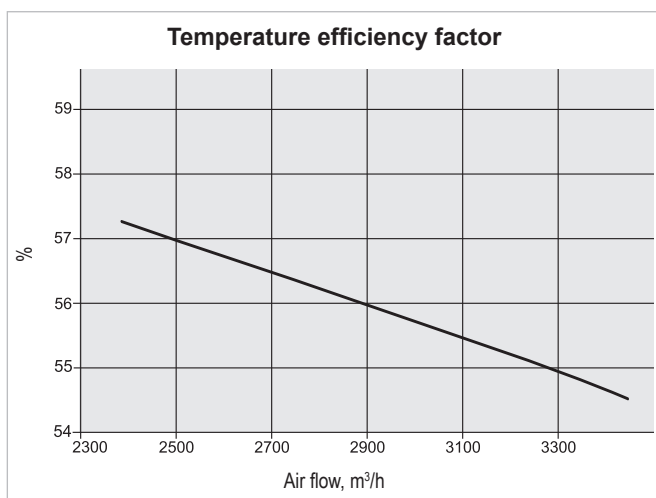
1. Plate heat exchanger
2. Electric or hot water air heater
3. Supply air filter
4. Exhaust air filter
5. Supply fan
6. Exhaust fan
7. Air by-pass damper
8. Condensate drain (the water trap must be installed D=28 mm)
9. Drop eliminator
10. Connection of main cable
11. Fluid connection tube

Thermal Efficiency (3000 m³/h)

Parameters	Supply	Exhaust	Unit
Intake			
Temperature	-5	0	20
Relative humidity	82	82	45
Supply			
Temperature	8,9	10,9	
Relative humidity	29	38	

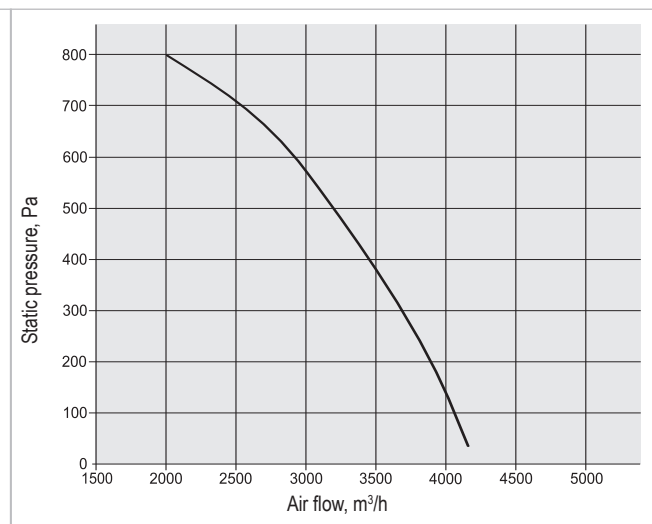
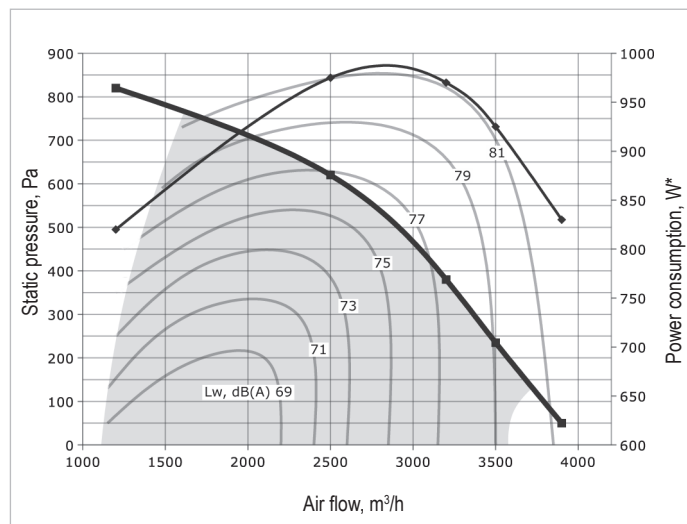
Parameters	Supply	Exhaust	Unit
Nominal air flow	3000	3000	m ³ /h
Air Filters			
Filter class	F5	G4	
Type	Bag filter	Bag filter	
Dimensions bxxhxl	592x592x360	592x592x360	mm
Fans Motors			
Type	AC/EC	AC/EC	
Input power	1100/990	1100/990	W
Rotation speed	2850/2580	2850/2580	rpm
Protection level	IP 55/54	IP 55/54	IEC 34-5
Plate Heat Exchanger			
Thermal efficiency	55,5		%
Energy recovery	16,7		kW
Air temperature in/out	-10/6,6	20/6,4	°C
Relative humidity in/out	82/22	45/91	%
Electric Air Heater			
Capacity	18		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	25,4	21,76	18,2	kW
Flow rate	1117	953	792	dm ³ /h
Pressure drop	4	3	2	kPa
Connection	1			"
Air flow 3000 m ³ /h temperature in/out	0/25,1	0/21,5	0/18	°C



Performance RECU 3000HE-EC / RECU 3000HW-EC

RECU 3000HE-AC / RECU 3000HW-AC



■ - air handling unit working zone.

* - fans' one motor.

Correction factor for HW approximately – 30 Pa at 3000m³/h.

Correction factor for F7 class filter approximately – 70 Pa at 3000m³/h.