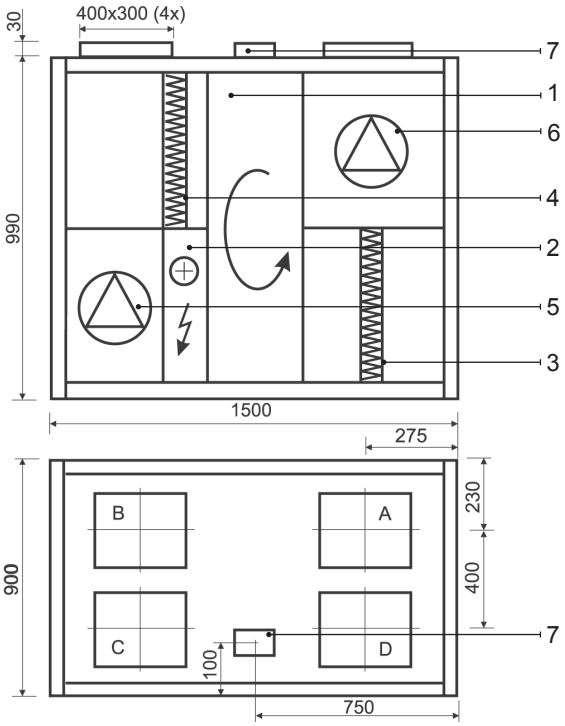
KOMFOVENT KOMPAKT REGO 2000

REGO 2000VE-EC



Technical data

REGO 2000VE-EC (vertical)	
Panel thickness	45 mm
Unit weight	285 kg
Nominal air flow	2000 m³/h
Supply voltage	3~ 400/50 V/Hz
Maximal operating current	17,2 A
Control system	KOMFOVENT C3

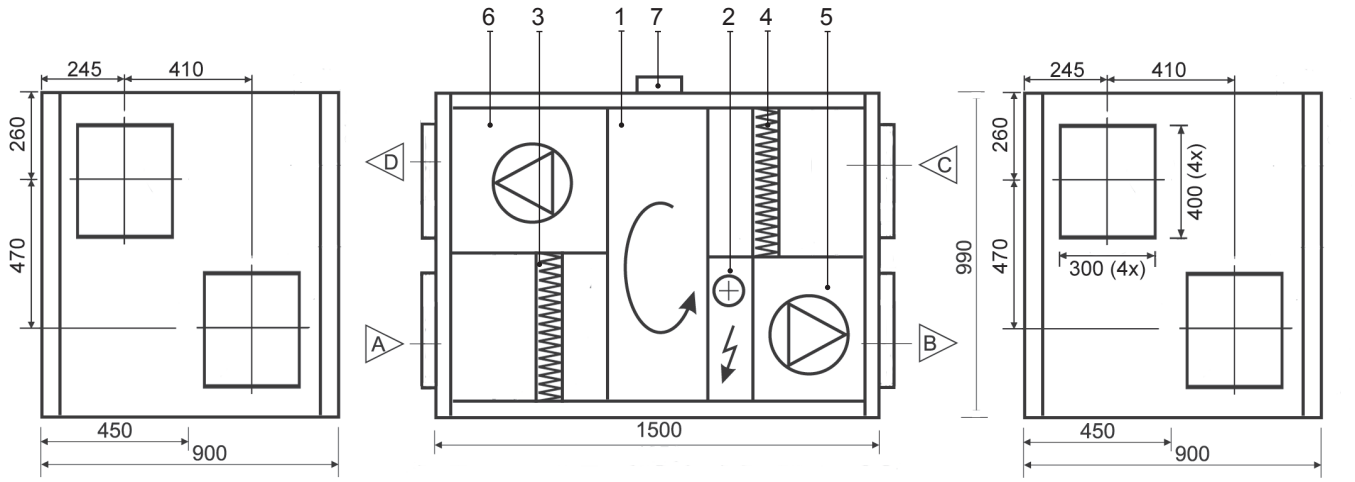
REGO 2000HE-EC (horizontal)	
Panel thickness	45 mm
Unit weight	290 kg
Nominal air flow	2000 m³/h
Supply voltage	3~ 400/50 V/Hz
Maximal operating current	17,2 A
Control system	KOMFOVENT C3

Design:

1. Rotary heat exchanger
2. Electric air heater
3. Supply air filter
4. Exhaust air filter
5. Supply fan
6. Exhaust fan
7. Main switch

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

REGO 2000HE-EC



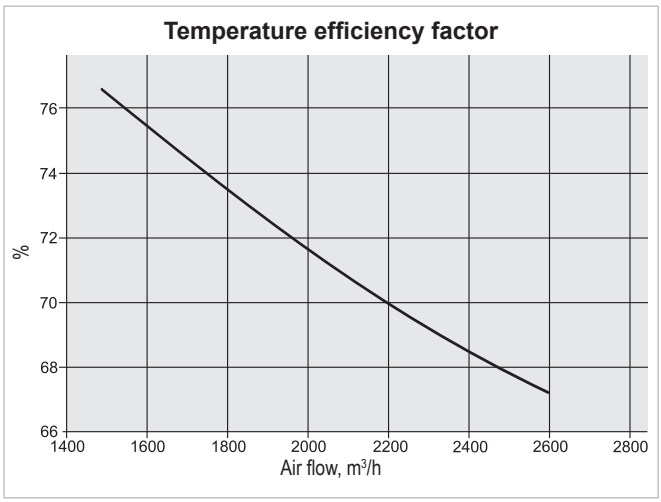
Thermal Efficiency (2000 m³/h)

Parameters	Supply				Exhaust	Unit
Intake						
Temperature	-15	-10	-5	0	20	°C
Relative humidity	82	82	82	82	45	%
Supply						
Temperature	10,1	11,9	13,2	14,6		°C
Relative humidity	64	54	46	41		%

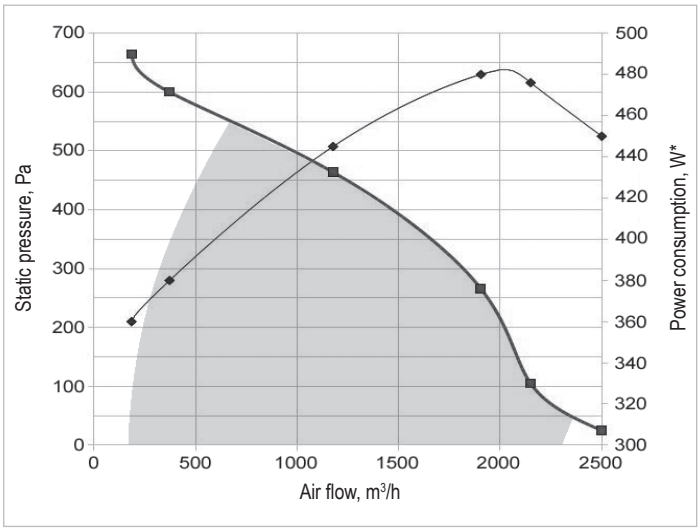
Acoustic Data (maximal air flow)

		63	125	250	500	1000	2000	4000	8000	dB (A)
Supply	Inlet	56	59	61	61	55	48	42	36	60,7
	Outlet	58	65	67	67	62	54	50	45	67,0
Exhaust	Inlet	56	59	61	61	55	48	43	37	60,8
	Outlet	58	65	67	67	62	54	50	45	67,0
Surrounding at 3m		46	50	49	40	35	28	20	15	43,3

Parameters	Supply	Exhaust	Unit
Nominal air flow	2000	2000	m³/h
Air Filters			
Filter class	F5	F5	
Type	Panel	Panel	
Dimensions bxhxl	800x450x46	800x450x46	mm
Fans Motors			
Type	EC	EC	
Input power	480	480	W
Rotation speed	2300	2300	rpm
Protection level	IP 54	IP 54	IEC 34-5
Rotary Heat Exchanger			
Thermal efficiency	72,9		%
Energy recovery	21,1		kW
Air temperature in/out	-23/8,4	20/-11,4	°C
Relative humidity in/out	82/71	40/98	%
Electric Air Heater			
Capacity	7,5		kW
Air temperature in/out	7,8/19,2		°C



Performance REGO 2000VE-EC / REGO 2000HE-EC



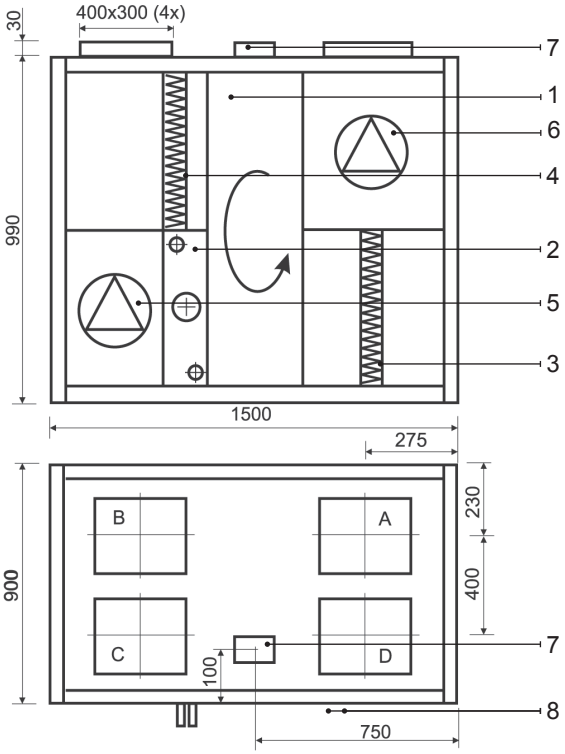
- air handling unit working zone

* - fans' one motor

Correction factor for F7 class filter approximately – 70 Pa.

KOMFOVENT KOMPAKT REGO 2000

REGO 2000VW-EC



Technical data

REGO 2000VW-EC (vertical)	
Panel thickness	45 mm
Unit weight	285 kg
Nominal air flow	2000 m³/h
Supply voltage	1~ 230/50 V/Hz
Maximal operating current	6,8 A
Control system	KOMFOVENT C3

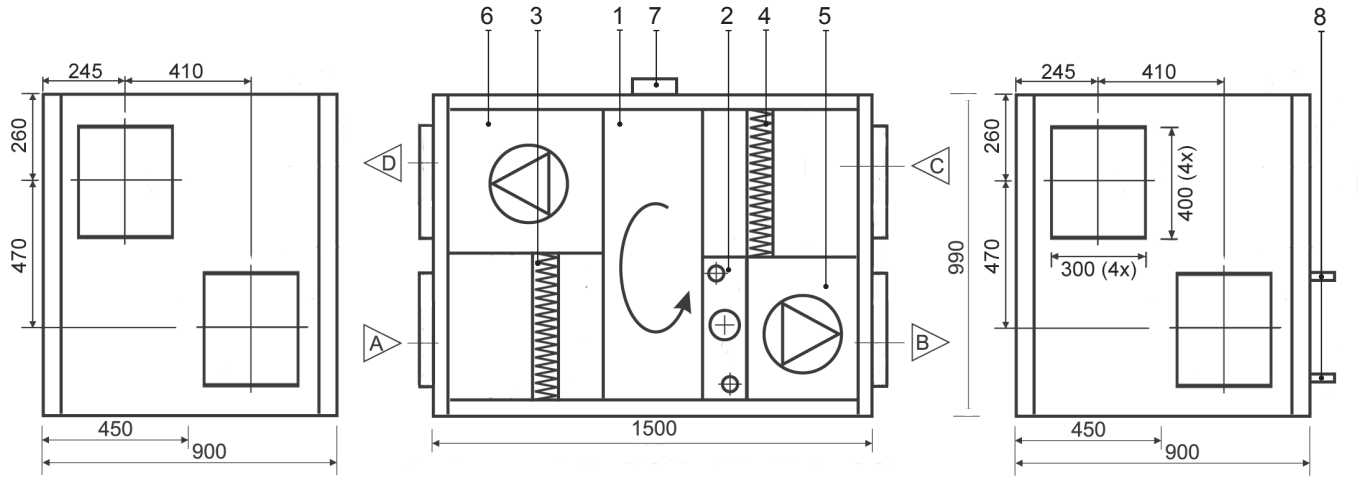
REGO 2000HW-EC (horizontal)	
Panel thickness	45 mm
Unit weight	290 kg
Nominal air flow	2000 m³/h
Supply voltage	1~ 230/50 V/Hz
Maximal operating current	6,8 A
Control system	KOMFOVENT C3

Design:

1. Rotary heat exchanger
2. Hot water air heater
3. Supply air filter
4. Exhaust air filter
5. Supply fan
6. Exhaust fan
7. Main switch
8. Fluid connection tube

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

REGO 2000HW-EC



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Intake						
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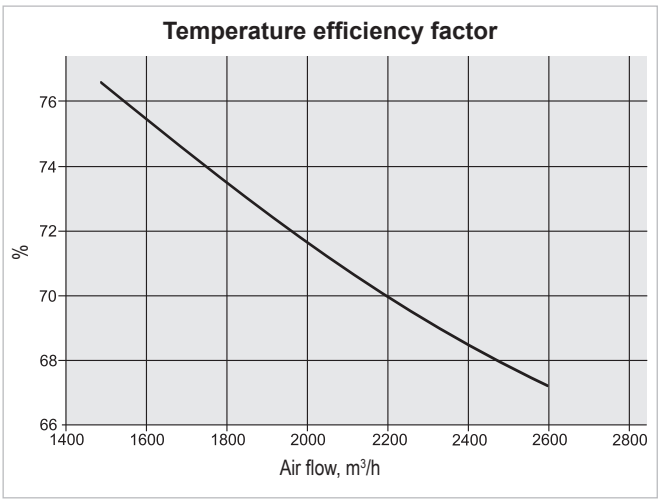
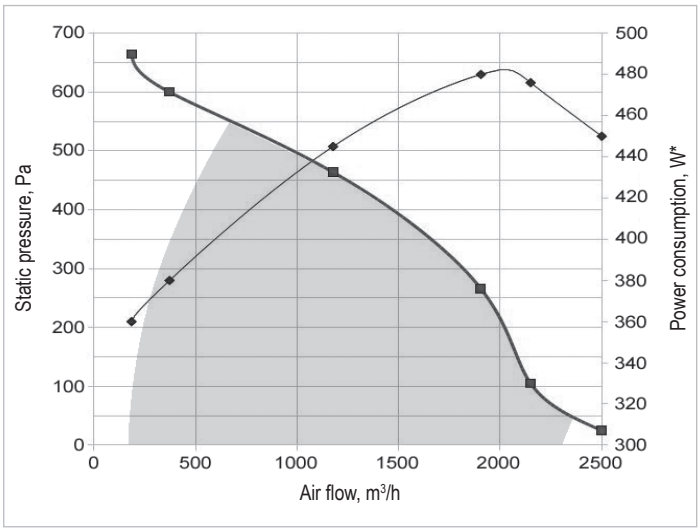
Rotation speed	2300	2300	rpm
Protection level	IP 54	IP 54	IEC 34-5
Rotary Heat Exchanger			
Thermal efficiency	72,9		%
Energy recovery	21,1		kW
Air temperature in/out	-23/8,4	20/-11,4	°C
Relative humidity in/out	82/71	40/98	%

Parameters							Unit
Hot Water Air Heater							
Water temperature in/out	90/70	80/60	60/40	45/35	7/12	7/12	°C
Capacity	10,85	10,49	10,61	10,53	12,81	11,12	kW
Flow rate	479	461	463	914	2199	1908	dm^3/h
Pressure drop	0,4	0,4	0,4	1,3	7,4	5,7	kPa
Connection	1						”
Air flow 1600 m^3/h temperature in/out	7-22,7	7-22,2	7-22,4	7-22,3	30/50 - 18,5/80	26/70 - 18,2/88	°C



Performance REGO 2000VW-EC / REGO 2000HW-EC



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