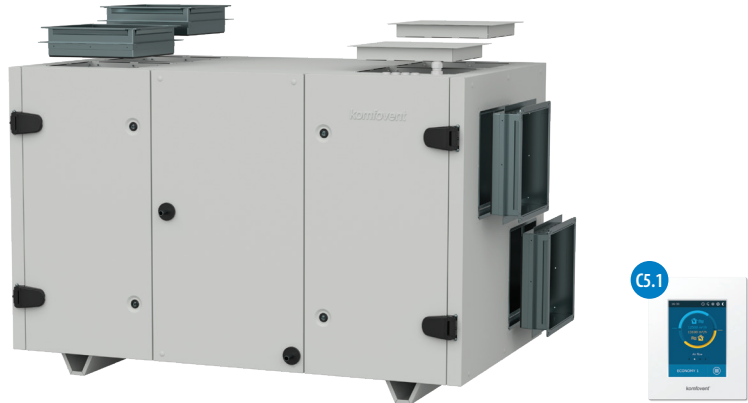




RHP 1200 U C5

Nominal air flow, m ³ /h	1300
Nominal air flow, l/s	361
Electric air heater capacity, kW / Δt, °C	2 / 4,5
Supply voltage, V	3~400
Maximal operating current, A	8,8
Electric power input of the fan drive at maximum flow rate, W	288
Filters dimensions BxHxL, mm	805x400x46
Unit dimensions BxHxL, mm	905x905x1505
Panel thickness, mm	45
Maintenance space, mm	800
Refrigerant R134 A, kg	3,4
Unit weight, kg	270



Acoustic data

A-weighted sound power level L_{WA} , dB(A) at reference flow rate

Supply inlet	68
Supply outlet	78
Exhaust inlet	68
Exhaust outlet	78
Casing	55

A-weighted sound pressure level L_{pA} , dB(A)

10 m² normally isolated room, distance from casing – 3 m.

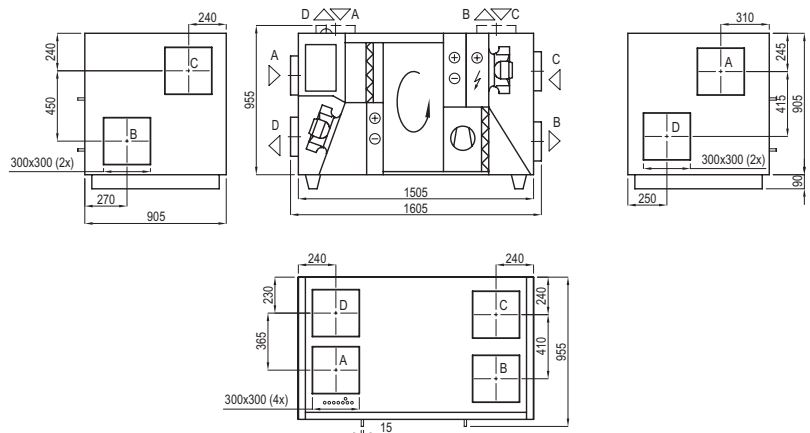
Surroundings	45
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Temperature efficiency

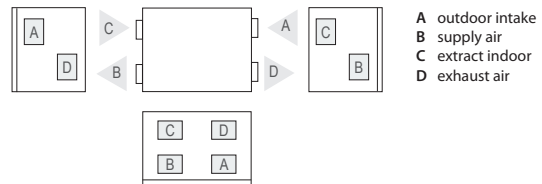
Outside temperature, °C	Winter					Summer		
	-23	-15	-10	-5	0	25	30	35
After heat exchanger, °C	13,5	15,0	15,9	16,9	17,8	22,6	23,5	24,5

indoor +22°C, 20 % RH.

Shown as right (R1)



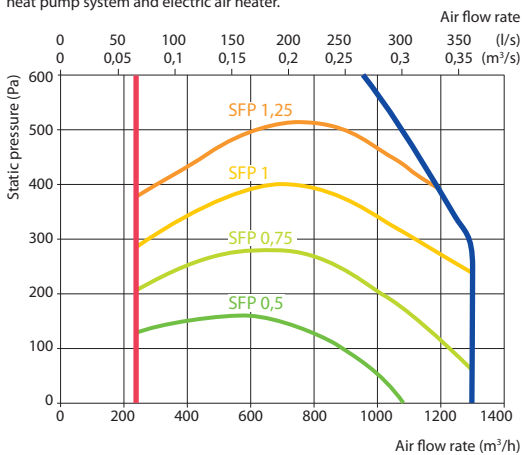
Shown as left (L1)



- A outdoor intake
- B supply air
- C extract indoor
- D exhaust air

Performance

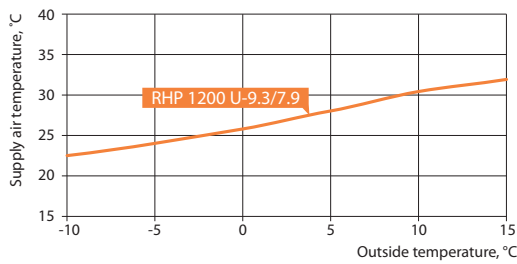
Filters ePM1 55 % / ePM10 50 %, rotary heat exchanger L, heat pump system and electric air heater.



Accessories

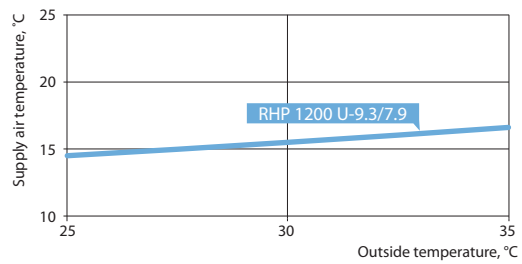
Closing damper	SRU-M-300x300+LF24/LM24
Silencer	A/D AGS-315-100-900-M
	B/C AGS-315-100-1200-M

Heating mode



Application: 20°C, RH 45% indoor.

Cooling mode



Application: 24°C, RH 55% indoor
Total (heating and cooling) – rotary heat recovery + heat pump.

Heat pump parameters

	RHP 1200 U 9.3/7.9				
	Heating			Cooling	
Outdoor temperature, °C	7	2	-7	35	27
Outdoor air related humidity, %	86	84	74	40	45
Indoor air temperature, °C	20	20	20	27	21
Indoor air related humidity, %	50	50	45	40	50
Supply air temperature, °C	29,1	27,0	23,9	17,1	12,2
Heat pump heating/cooling power, kW	5,11	4,61	3,92	5,31	5,11
Heat pump heating/cooling power consumption, kW	0,97	0,89	0,82	1,51	1,24
System SCOP ^{1,2,3} , Average climate / System SEER ^{1,2,3}	10,45			4,08	
COP/EER	5,27	5,17	4,75	3,51	4,13

¹ Rotary heat exchanger wave size "L"

² Rotary heat exchanger + heat pump

³ According to EN 14825 standard