komfovent

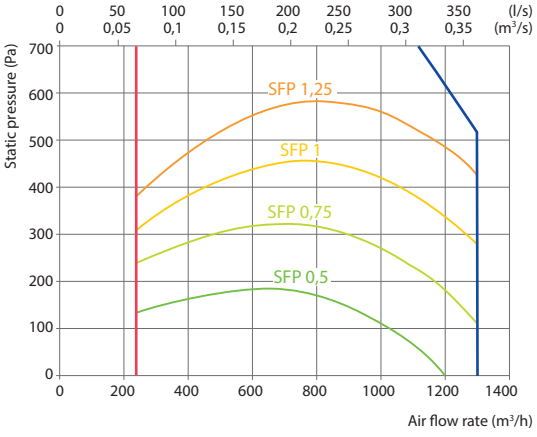
RHP 1200 U C5

Nominal air flow, m³/h	1300
Nominal air flow, l/s	361
Electric air heater capacity, kW / Δt, °C	3 / 6,7
Supply voltage, V	3~400
Maximal operating current, A	12,8
Power supply cable, mm²	5×2,5
Electric power input of the fan drive at maximum flow rate, W	295
Noise power level, L_{WA}, dB(A)	51
Noise pressure level, L_{PA}, dB(A) (3 m)	41
Filters dimensions B×H×L, mm	805×400×46
Supply filter class	ePM1 60 (F7)
Exhaust filter class	ePM10 50 (M5)
Unit dimensions B×H×L, mm	905×905×1505
Panel thickness, mm	45
Maintenance space, mm	850
Refrigerant R454C, kg	1,6
Unit weight, kg	270

EXV BLDC C5.1

Performance

Unit with standard equipment

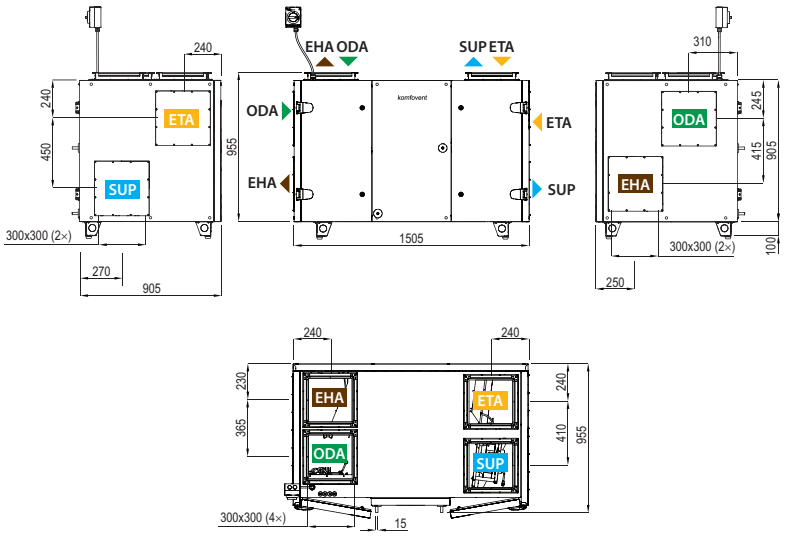


Temperature efficiency

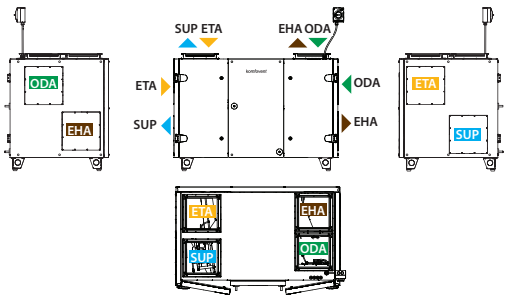
	Winter					Summer		
Outside temperature, °C	-23	-15	-10	-5	0	25	30	35
After heat exchanger, °C	14,3	15,7	16,5	17,4	18,2	22,5	23,4	24,2

Indoor +22°C, 20 % RH

Shown as right (R1)



Shown as left (L1)

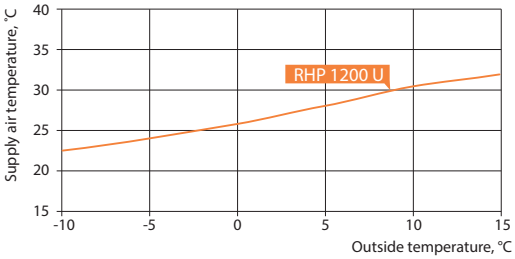


Accessories

Closing damper		SRU-M-300x300+LF24/CM24
Silencer	ODA/ETA	AGS-315-100-900-M
	SUP/EHA	AGS-315-100-1200-M
Siphon		HL136.N DN40

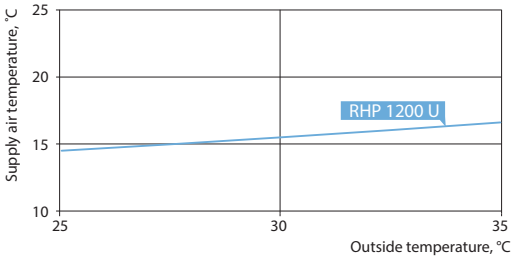
ODA – outdoor intake **SUP** – supply air **ETA** – extract indoor **EHA** – exhaust air

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

	Heating			Cooling	
Outdoor temperature, °C	7	2	-7	35	27
Outdoor air related humidity, %	86	84	74	40	45
Indoor air temperature, °C		20		27	21
Indoor air related humidity, %	50	50	45	40	50
Supply air temperature, °C	29	27,1	23,9	17	12
Heat pump heating/cooling power, kW	4,97	4,48	3,77	5,21	5,07
Heat pump heating/cooling power consumption, kW	0,93	0,87	0,79	1,48	1,24
System SCOP [1,2,3], Average climate / System SEER [1,2,3]		10,45		4,08	
COP/EER	5,32	5,18	4,8	3,53	4,09

[1] Rotary heat exchanger wave size "ML"
[2] Rotary heat exchanger + heat pump
[3] According to EN 14825 standard