

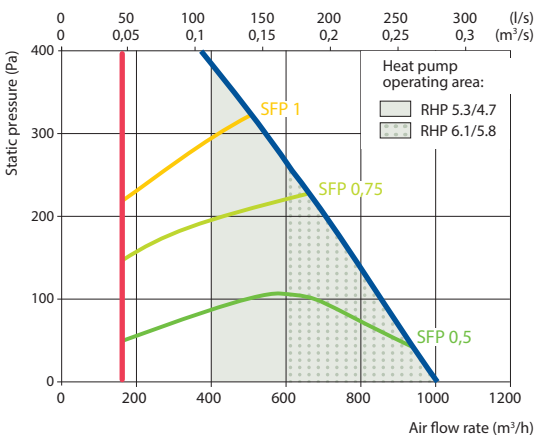
RHP 800 U C5

Nominal air flow, m ³ /h	860
Nominal air flow, l/s	239
Electric air heater capacity, kW / Δt, °C	2 / 6,8
Supply voltage, V	3~400
Maximal operating current, A	8,6 (RHP 5.3/4.7)
Maximal operating current, A	8,6 (RHP 6.1/5.8)
Power supply cable, mm ²	5×1,5
Electric power input of the fan drive at maximum flow rate, W	155
Noise power level, L _{WA} , dB(A)	53
Noise pressure level, L _{PM} , dB(A) (3 m)	42
Filters dimensions B×H×L, mm	750×400×46
Unit dimensions B×H×L, mm	910×986×1505
Panel thickness, mm	50
Maintenance space, mm	800
Refrigerant R134 A, kg	3,1
Unit weight, kg	255



Performance

Unit with standard equipment

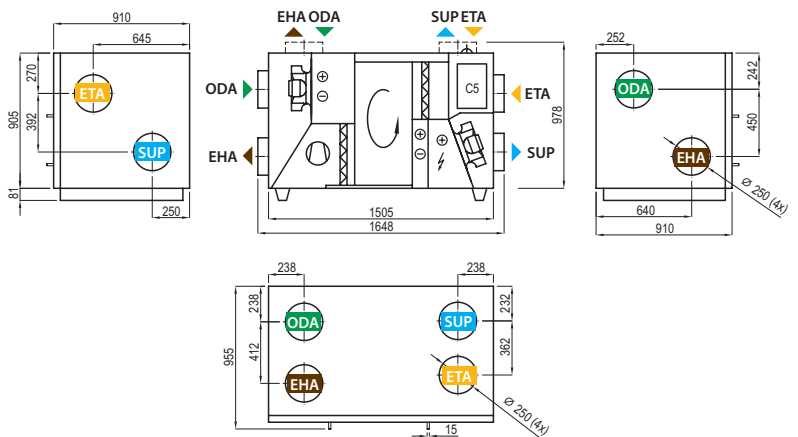


Temperature efficiency

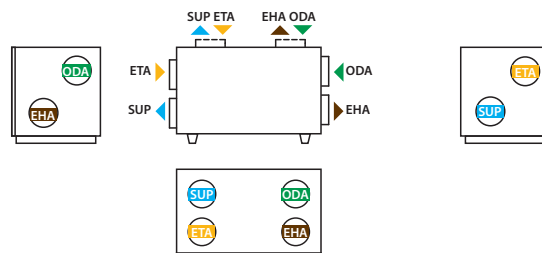
	Winter					Summer		
Outside temperature, °C	-23	-15	-10	-5	0	25	30	35
After heat exchanger, °C	14,2	15,6	16,5	17,3	18,2	22,5	23,4	24,2

Indoor +22°C, 20 % RH

Shown as right (R1)



Shown as left (L1)

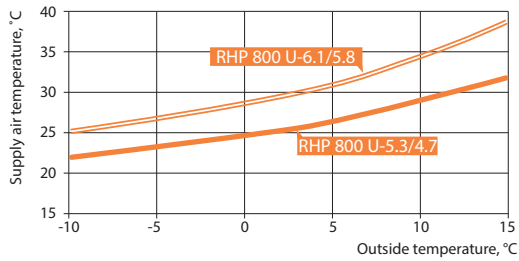


▶ ODA – outdoor intake ▶ SUP – supply air ▶ ETA – extract indoor ▶ EHA – exhaust air

Accessories

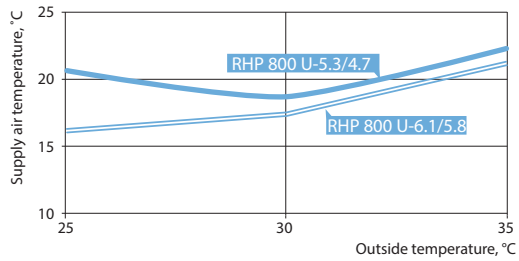
Closing damper	AGUJ-M-250+LF24/CM24
Silencer	ODA/EHA AGS-250-50-600-M SUP/ETA AGS-250-50-900-M

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 800 U-5.3/4.7					RHP 800 U-6.1/5.8				
	Heating			Cooling		Heating			Cooling	
Outdoor temperature, °C	7	2	-7	35	27	7	2	-7	35	27
Outdoor air related humidity, %	86	84	74	40	45	86	84	74	40	45
Indoor air temperature, °C	20	20	20	27	21	20	20	20	27	21
Indoor air related humidity, %	50	50	45	40	50	50	50	45	40	50
Supply air temperature, °C	26,7	25	21,6	19,1	13,3	29,6	27,5	24	17,1	11,8
Heat pump heating/cooling power, kW	2,51	2,35	1,77	2,73	2,55	3,48	3,11	2,47	3,33	3,27
Heat pump heating/cooling power consumption, kW	0,54	0,46	0,47	0,65	0,55	0,75	0,7	0,7	0,98	0,84
System SCOP ^{1,2,3} , Average climate / System SEER ^{1,2,3}	12,82			4,76		9,54			4,71	
COP/EER	4,69	5,1	3,77	4,22	4,68	4,65	4,41	3,51	3,41	3,89

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