

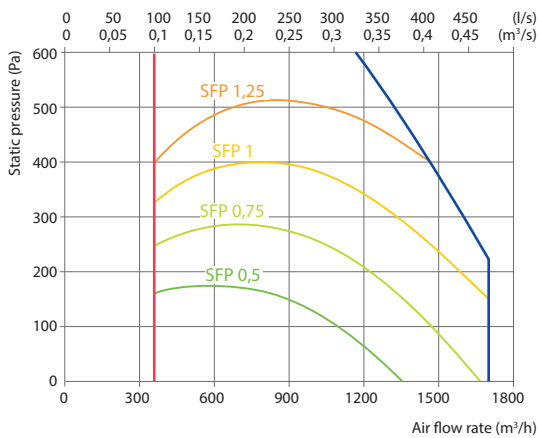
RHP 1600 U C5

Nominal air flow, m ³ /h	1700
Nominal air flow, l/s	472
Electric air heater capacity, kW / Δt, °C	3 / 5,2
Supply voltage, V	3~400
Maximal operating current, A	12,2
Power supply cable, mm ²	5x2,5
Electric power input of the fan drive at maximum flow rate, W	393
Noise power level, L _{WA} , dB(A)	50
Noise pressure level, L _{pM} , dB(A) (3 m)	41
Filters dimensions BxHxL, mm	805x400x46
Supply filter class	ePM1 60 (F7)
Exhaust filter class	ePM10 50 (M5)
Unit dimensions BxHxL, mm	905x905x1505
Panel thickness, mm	45
Maintenance space, mm	850
Refrigerant R134A, kg	3,4
Unit weight, kg	270



Performance

Unit with standard equipment

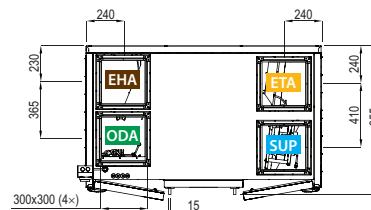
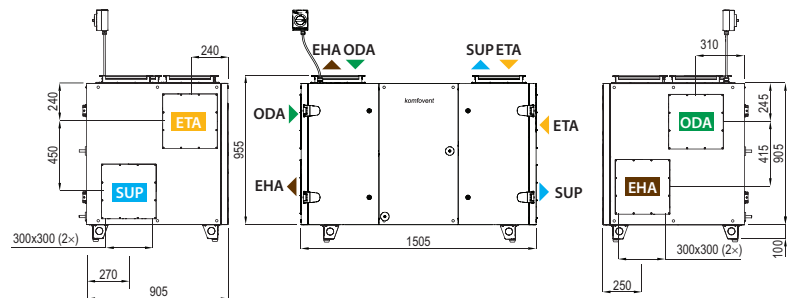


Temperature efficiency

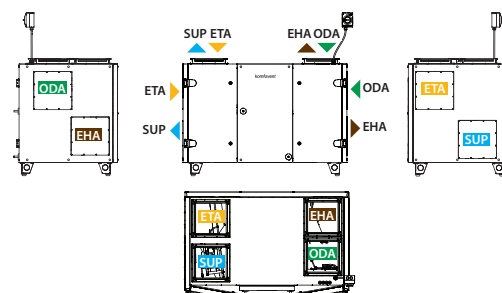
	Winter				Summer			
Outside temperature, °C	-23	-15	-10	-5	0	25	30	35
After heat exchanger, °C	13,4	14,9	15,9	16,8	17,8	22,6	23,5	24,5

Indoor +22°C, 20 % RH

Shown as right (R1)



Shown as left (L1)

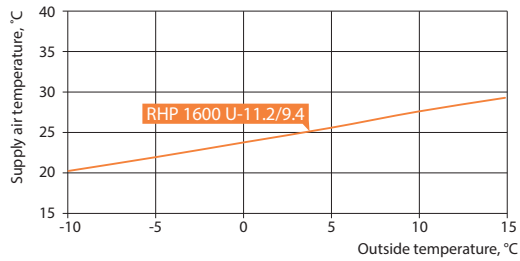


▶ ODA – outdoor intake ▶ SUP – supply air ▶ ETA – extract indoor ▶ EHA – exhaust air

Accessories

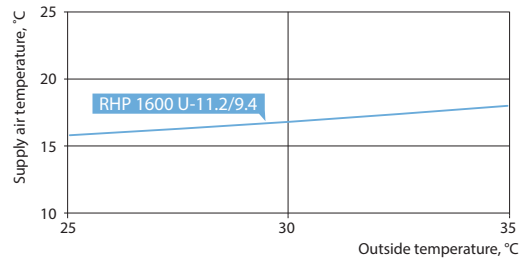
Closing damper	SRU-M-300x300+LF24/CM24
Silencer	ODA/EHA AGS-315-100-900-M
	SUP/ETA AGS-315-100-1200-M

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 1600 U 11.2/9.4				
	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	26,3	24,7	21,5	18,9	13,4
Heat pump heating/cooling power, kW	5,06	4,67	3,81	5,64	5,42
Heat pump heating/cooling power consumption, kW	0,84	0,82	0,71	1,41	1,15
System SCOP ^{1,2,3} , Average climate / System SEER ^{1,2,3}	11,9			4,1	
COP/EER	6	5,73	5,41	3,99	4,7

¹ Rotary heat exchanger wave size "ML"

² Rotary heat exchanger + heat pump

³ According to EN 14825 standard