

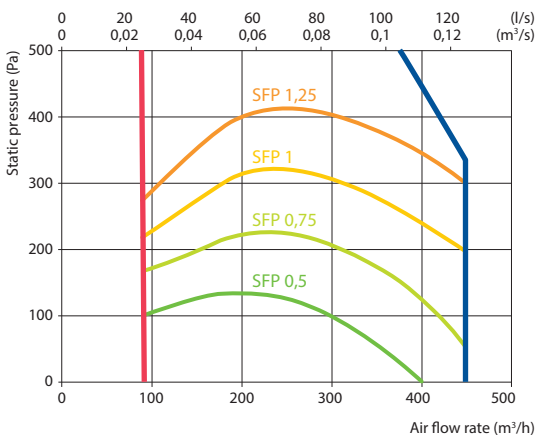
RHP 450 V C5

Nominal air flow, m ³ /h	450
Nominal air flow, l/s	125
Electric air heater capacity, kW / Δt, °C	1/6,5
Supply voltage, V	1~230
Maximal operating current, A	10,8
Power supply cable, mm ²	3×1,5
Electric power input of the fan drive at maximum flow rate, W	104
Noise power level, L _{WA} , dB(A)	54
Noise pressure level, L _{PA} , dB(A) (3 m)	43
Filters dimensions B×H×L, mm	540×185×46
Unit dimensions B×H×L, mm	645×1050×830
Panel thickness, mm	45
Maintenance space, mm	700
Unit weight, kg	121



Performance

Unit with standard equipment

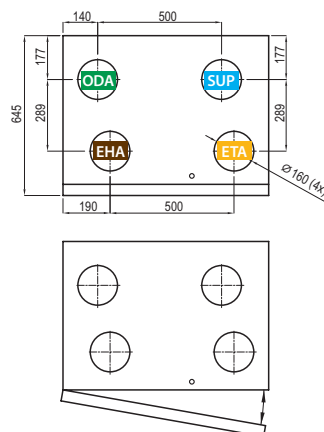
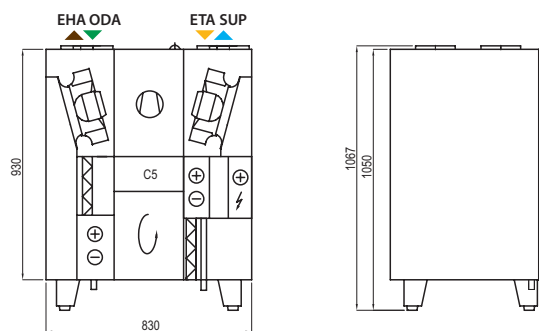


Temperature efficiency

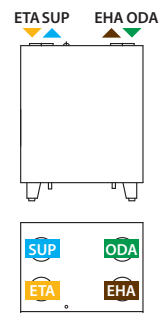
Outside temperature, °C	Winter					Summer		
	-23	-15	-10	-5	0	25	30	35
After heat exchanger, °C	12,5	14,2	15,3	16,3	17,4	22,6	23,7	24,7

Indoor +22°C, 20 % RH

Shown as right (R1)



Shown as left (L1)

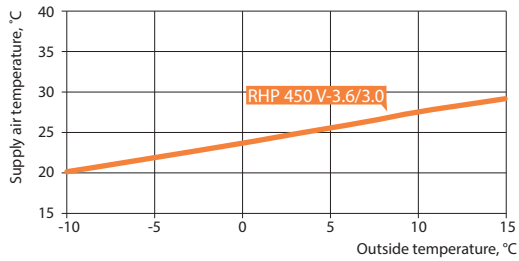


Accessories

Closing damper	AGUJ-M-160+LF24/CM24
	ODA/EHA AGS-160-50-600-M
Silencer	SUP/ETA AGS-160-50-900-M

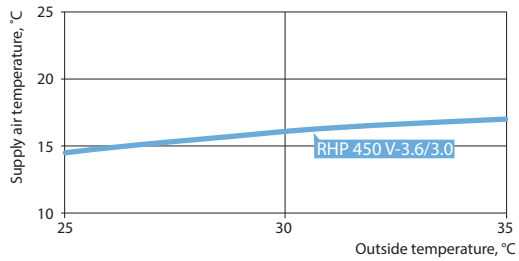
▶ ODA – outdoor intake ▶ SUP – supply air ▶ ETA – extract indoor ▶ EHA – exhaust air

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

	RHP 450 V-3.6/3.0				
	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	30,5	27,9	24,5	17,5	12,4
Heat pump heating/cooling power, kW	2,02	1,79	1,54	1,95	1,87
Heat pump heating/cooling power consumption, kW	0,5	0,43	0,39	0,68	0,56
System SCOP ^{1,2,3} , Average climate / System SEER ^{1,2,3}	8,15			3,97	
COP/EER	4,05	4,13	3,93	2,86	3,32

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