komfovent

RHP 700 V C5

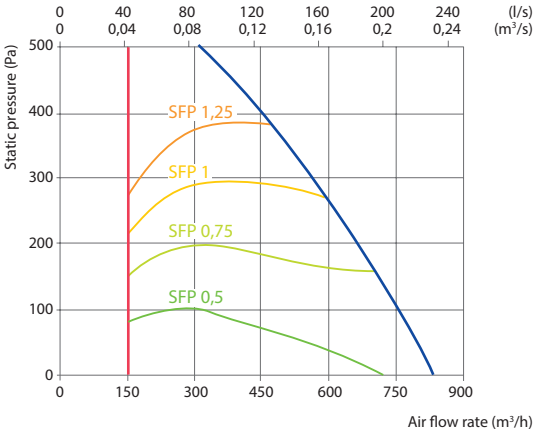
Nominal air flow, m³/h	720
Nominal air flow, l/s	200
Electric air heater capacity, kW / Δt, °C	1,5 / 5,8
Supply voltage, V	1~230
Maximal operating current, A	14,1
Power supply cable, mm²	3×1,5
Electric power input of the fan drive at maximum flow rate, W	154
Noise power level, L_{WA}, dB(A)	46
Noise pressure level, L_{PA}, dB(A) (3 m)	35
Filters dimensions B×H×L, mm	640×260×46
Supply filter class	ePM1 60 (F7)
Exhaust filter class	ePM10 50 (M5)
Unit dimensions B×H×L, mm	745×1220×1000
Panel thickness, mm	45
Maintenance space, mm	1020
Refrigerant R1234YF, kg	1,1
Unit weight, kg	150

EXV

BLDC

Performance

Unit with standard equipment

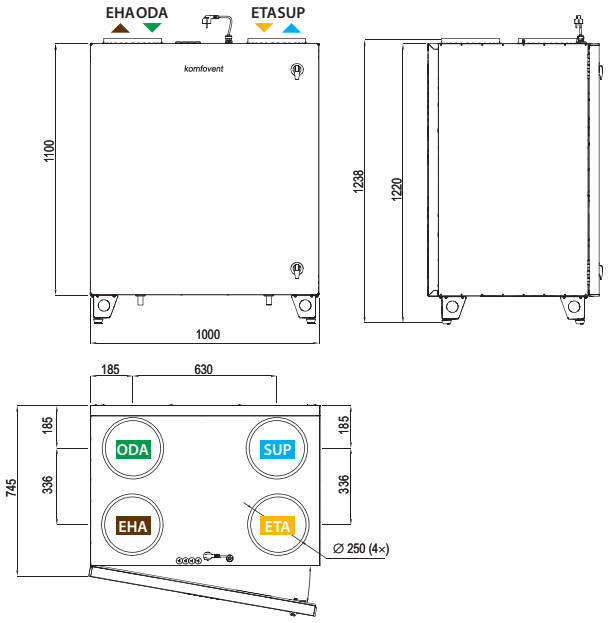


Temperature efficiency

	Winter					Summer		
Outside temperature, °C	-23	-15	-10	-5	0	25	30	35
After heat exchanger, °C	14,1	15,5	16,4	17,3	18,1	22,5	23,4	24,3

Indoor +22°C, 20 % RH

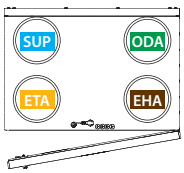
Shown as right (R1)



Accessories

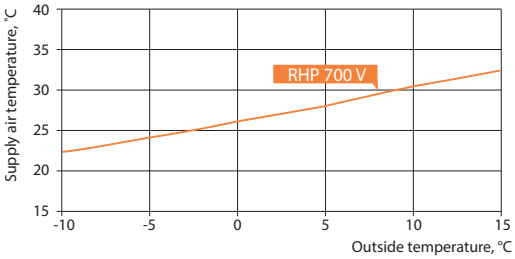
Closing damper		AGUJ-M-250+TF24/CM24
Silencer	ODA/ETA	AGS-250-50-600-M
	SUP/EHA	AGS-250-50-900-M

Shown as left (L1)



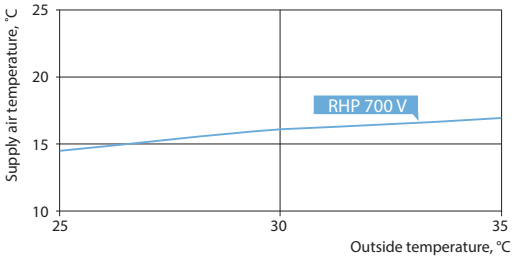
ODA – outdoor intake **SUP** – supply air **ETA** – extract indoor **EHA** – exhaust air

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	20	20	27	21
Indoor air related humidity, %	50	50	45	40	50
Supply air temperature, °C	29,7	27,7	24,4	16,2	11,3
Heat pump heating/cooling power, kW	2,93	2,66	2,23	3,07	2,9
Heat pump heating/cooling power consumption, kW	0,54	0,5	0,45	0,82	0,67
System SCOP [1,2,3], Average climate / System SEER [1,2,3]		9,18		4,95	
COP/EER	5,46	5,31	5	3,74	4,36

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