

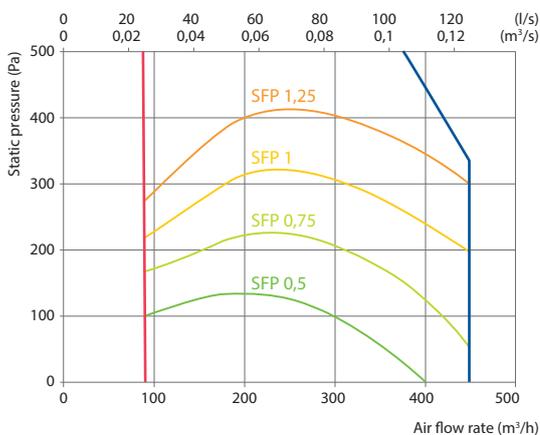
RHP 450 V C5

| | |
|---|---------------|
| 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 | 116 |
| Noise power level, L _{WA} , dB(A) | 52 |
| Noise pressure level, L _{pM} , dB(A) (3 m) | 42 |
| Filters dimensions B×H×L, mm | 540×185×46 |
| Supply filter class | ePM1 60 (F7) |
| Exhaust filter class | ePM10 50 (M5) |
| Unit dimensions B×H×L, mm | 645×1050×830 |
| Panel thickness, mm | 45 |
| Maintenance space, mm | 700 |
| Refrigerant R1234YF, kg | 0,6 |
| Unit weight, kg | 121 |



Performance

Unit with standard equipment

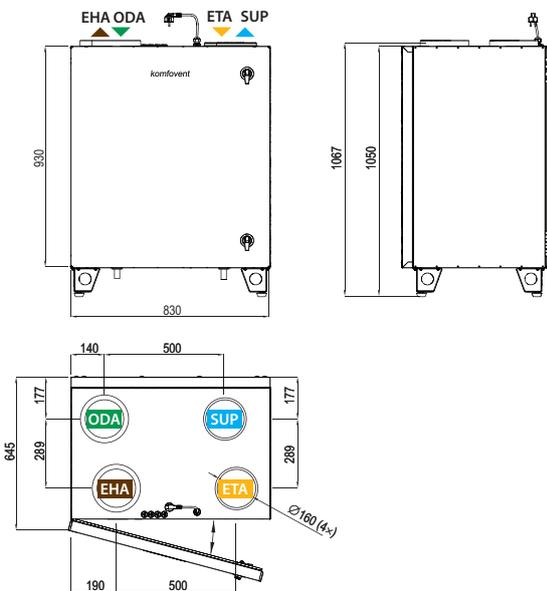


Temperature efficiency

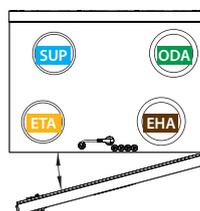
| | Winter | | | | | Summer | | |
|--------------------------|--------|-----|-----|------|------|--------|------|------|
| Outside temperature, °C | -23 | -15 | -10 | -5 | 0 | 25 | 30 | 35 |
| After heat exchanger, °C | 13,5 | 15 | 16 | 16,9 | 17,9 | 22,6 | 23,5 | 24,4 |

Indoor +22°C, 20 % RH

Shown as right (R1)



Shown as left (L1)

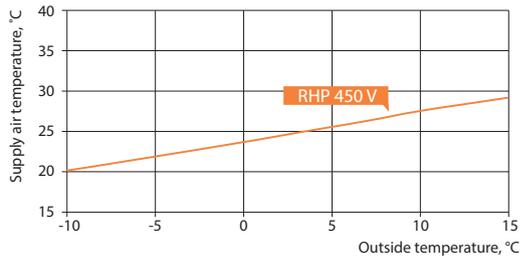


▶ ODA – outdoor intake ▶ SUP – supply air ▶ ETA – extract indoor ▶ EHA – exhaust air

Accessories

| | |
|----------------|--------------------------|
| Closing damper | AGUJ-M-160+TF24/CM24 |
| Silencer | ODA/ETA AGS-160-50-600-M |
| | SUP/EHA AGS-160-50-900-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

| | Heating | | | Cooling | |
|---|---------|------|------|---------|------|
| | 7 | 2 | -7 | 35 | 27 |
| 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 | 30,6 | 28,3 | 24,8 | 17,3 | 12,2 |
| Heat pump heating/cooling power, kW | 1,99 | 1,79 | 1,51 | 1,92 | 1,9 |
| Heat pump heating/cooling power consumption, kW | 0,51 | 0,46 | 0,4 | 0,66 | 0,56 |
| System SCOP ^{1,2,3} , Average climate / System SEER ^{1,2,3} | 8,15 | | | 3,97 | |
| COP/EER | 3,91 | 3,91 | 3,76 | 2,89 | 3,41 |

¹ Rotary heat exchanger wave size "ML"

² Rotary heat exchanger + heat pump

³ According to EN 14825 standard