



11 kW air / water modulating high-temperature heat pump

for 90 - 160 m² living space (heat loss not more than 40 watts / m² / year - see energy certificate)

up to 70 ° C water temperature

COP 5.74 (A12 / W55)

Energy efficiency: A ++

High-performance refrigerant R 290, environmentally neutral, non-toxic, (no toxic fluoride such as R 410a or R 134a or similar)

no intensive annual maintenance refrigerant line between the outdoor unit and the indoor unit

Average efficiency:

Nominal = 130% (not colder than -10 ° C in winter)
warm climatic conditions = 164% (not colder than -2 ° C in winter)
cold climatic conditions = 115% (cold winters to -20 ° C)

*** Energy consumption according to EU standard on average per year:**

Nominal = 3926 kW / h at 20 ct / kW / h = € 785
warm climatic conditions = 2277 kW / h at 20 ct / kW / h = € 455
Cold climatic conditions = 7411 kW / h at 20 ct / kW / h = € 1482

Electrical connection data:

Mains voltage: 230 V or 400V / 50 Hz

Connection cable cross-section 230 V 6 mm², 400V 5 x 2.5mm²

Protection: 230 V 32 A, 400 V 3 x 16A

Temperature control:

Room thermostat with display, (wired) with display of the actual and set temperature included in the delivery

Room thermostat: optionally available with remote control sh. equipment

Without room thermostat controlled via adjustable heating curve via outdoor sensor

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Dimensions and weights

Pilot control: 520 x 320 x 280 mm (H x W x D) Weight 20 kg

Heat pump: 1300 x 700 x 400 mm (H x W x D) Weight 120 kg

Buffer tank 50L: 770 x 340 mm diameter, wall mounting

Supplied accessories:

- Pilot hydraulic indoor units, with electronic control ready for connection pre-programmed for radiator heating, for underfloor heating easy to adjust
- Buffer tank: 50 L for wall mounting, obligatory for controlled heating circuits
- Electric auxiliary heating, programmable with 2-4-6 kW, in extreme cold periods,
- Outside temperature sensor, required to control the heat pump according to the respective outside temperatures
- Filter valve, 1 inch, to be cleaned in operating condition,
- Internal thermostat with display, display of set point and actual temperature
- Hydraulic connection kit 1.5 m long, 2 flexible hoses with double-sided MS connectors
- Electric frost protection cable for condensate drain
- 2 wire shielded control cable 10 m long (bus line)
- English generally well understandable installation and operating instructions

* The stated average consumption values depend on many factors and are statistically determined according to the same fixed specifications and not transferable to other buildings with different insulation. However, the data provide information about the differences in the climatic conditions as guide values.

Feedback geben