



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 annual maintenance-intensive refrigerant line between outdoor unit and 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

Power supply

Mains voltage: 230 V or 400V / 50 Hz
Connection cable diameter: 230 V = 6 mm², 400V = 5 x 2.5mm²
Protection: 230 V = 32 A, 400 = V 3 x 16A

Temperature control:

Room thermostat (wired type) with digital display with actual and target temperature values, included
Room thermostat: optionally available with remote control sh. accessories
Without room thermostat controlled via adjustable heating curve by outdoor sensor

Dimensions:

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, 50, 100, 200 L (optional)

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 for an extra charge optional, obligatory for temperature regulated heating circuits
- Electric auxiliary heating, programmable with 2-4-6 kW in extreme cold climate,
- Outdoor 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 both sided MS connectors
- Electric frost protection cable for condensate drain
- 2 wire shielded control cable 10 m long (bus line)
- English 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 shell insulation. However, the data provide information about the differences in the climatic conditions as guide values.