



## 7 kW air / water

### Modulating high-temperature heat pump

**for 80 - 100 m<sup>2</sup> living space** (heat loss not more than 40 Watt / m<sup>2</sup> / a - see energy certificate)

**up to 70 ° C water temperature**

**COP 5.61 (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 intensive maintenance** of the refrigerant line between the outdoor unit and the indoor unit

#### **Average efficiency:**

Nominal = 128% (not colder than -10 ° C in winter)  
warm climatic conditions = 158% (not colder than -2 ° C in winter)  
cold climatic conditions = 113% (cold winters to -20 ° C)

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

Nominal = 2498 kW / h at 20 ct / kW / h = € 500  
warm climatic conditions = 1953 kW / h at 20 ct / kW / h = € 391  
cold climatic conditions = 5277 kW / h at 20 ct / kW / h = € 1055

#### **Power connection data**

Mains voltage: 230 V / 50 Hz

Connection cable dia. 3 x 6 mm<sup>2</sup>

Protection: 32 A

#### **Temperature control:**

Room thermostat with display (wired) with display of the actual and nominal data, included in the delivery

Room thermostat: optionally available with remote control sh. under accessories

Without room thermostat controlled via adjustable heating curve via outdoor sensor

#### **Dimensions and weights:**

Pilot control: 530 x 320 x 280 mm (H x W x D) Weight 66 kg

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

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

#### **Supplied accessories:**

- Pilot hydraulic indoor units, with electronic control ready for connection
  - Pre - programmed for radiator heating, easy to change for underfloor heating
- Buffer tank: 50 L to be mounted externally on the wall, 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 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 shell insulation. However, the data provide information about the differences in the climatic conditions as guide values.