

IRICON® 7 kW air / water Modulating high-temperature heat pump

for 80 - 100 m² living space (heat loss not more than 40 Watt / m² / 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

Electrical connection data

Mains voltage: 230 V / 50 Hz

Connection cable dia. 3 x 6 mm²

Protection: 32 A

Temperature control:

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

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

Without room thermostat controlled via adjustable heating curve via outdoor sensor

Dimensions:

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

Supplied accessories:

- Pilot hydraulic indoor units, pre-programmed ready for connection to radiator heaters with electronic control, for underfloor heating easy to change
- Buffer tank 50, 100, 200 L optionally available, wall-mounted or pedestal
- 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 shell insulation. However, the data provide information about the differences in the climatic conditions as guide values.