AIR BASIC 211
C11B G1-1
(ELW 8)
AIR/WATER HEAT PUMP
INCL. VERTICAL SPLIT EVAPORATOR
ORDER NUMBER: 285610
SERIES: G1-1
TF MAX. 55 °C

APPLIANCE DATA

Dimensions of outdoor unit HxWxD (mm) 865x1040x340
Dimensions of indoor unit HxWxD (mm) 1150x400x650
Hydraulic connection (inch) 1”
Weight of outdoor unit [kg] 66
Weight of indoor unit [kg] 75
Casing colour Tiger white 29/11289/gray RAL 7016

HEATING MODE PERFORMANCE FIGURES (to EN 14511)

Standard point A10/W35
Heating output range (kW) 1.90 - 11.20
Total heating output/power consumption (kW) 8.00 / 1.70
COP 4.70

Operating point A7/W35
Heating output range (kW) 1.90 - 10.20
Total heating output/power consumption (kW) 7.00 / 1.60
COP 4.40

Standard point A2/W35
Heating output range (kW) 1.30 - 8.50
Total heating output/power consumption (kW) 5.50 / 1.50
COP 3.70

Standard point A-7/W35
Heating output range (kW) 1.20 - 6.80
Total heating output/power consumption (kW) 4.20 / 1.40
COP 3.00

Operating point A-10/W35
Heating output range (kW) 1.00 - 6.20
Total heating output/power consumption (kW) 3.70 / 1.30
COP 2.90

Operating point A2/W50
Heating output range (kW) 1.30 - 7.30
Total heating output/power consumption (kW) 5.40 / 2.50
COP 2.20

COOLING MODE PERFORMANCE FIGURES

Operating point A35/W18
Cooling capacity range (kW) 1.80 - 11.10
Nominal cooling capacity (kW) 7.90
Total nominal power consumption (kW) 2.50
Energy efficiency ratio EER at nominal output 3.00

Operating point A35/W12
Cooling capacity range (kW) 1.60 - 10.00
Nominal cooling capacity (kW) 7.00
Total nominal power consumption (kW) 2.50
Energy efficiency ratio EER at nominal output 2.80

Operating point A35/W7(1)
Cooling capacity range (kW) 1.40 - 9.10
Nominal cooling capacity (kW) 6.20
Total nominal power consumption (kW) 2.40
Energy efficiency ratio EER at nominal output 2.60

SPECIFICATION

Phases/nominal voltage/frequency
- Outdoor unit, controller
- Electric immersion heater
- Electric immersion heater internal

Defrost technology

Sound pressure level measured in a free field; sound power levels measured at max. nominal speed

Starting current, compressor with locked rotor

Power consumption

Starting current

Phases/nominal voltage/frequency

Nominal cooling capacity

Cooling capacity range

Operating point A35/W18

FAN

Type

Number

Voltage/frequency

Power consumption

EVAPORATOR

Unit type

Type

Number

Air flow rate

Application range min./max

Material

Stainless steel 1.4301

CONDENSER

Type

Plate heat exchanger

Material

Stainless steel

Max. refrigerating operating pressure [bar] 43
Max. heat transfer medium operating pressure [bar] 3
Heat transfer medium temperature differential [K] 5
Application range [°C] 55
Heat transfer medium Water

Test pressure [bar] 59
Heat transfer medium flow rate [m³/h] 1.43
Internal pressure differential [bar] 80
Flow meter FM standard Internal

Circulation pump heat sink WNA Internal Yonos Para HPS15/7.5

Residual head I WNA external, incl. FM [bar] 430

REFRIGERANT CIRCUIT

Refrigerant R410A
Defrost technology Hot gas
Refrigerant charge [kg] 2.15

COMPRESSOR

Type

Rotary piston

Output levels

Infinitely variable

Speed [rpm] 900 / 5700
Voltage/frequency [V]/[Hz] 230 / 50

(1) only possible with buffer tank

*Starting current, compressor with locked rotor

**Sound pressure level measured in a free field; sound power levels measured at max. nominal speed

OG-EN (heat pumps are domestic appliances in accordance with the Machinery Directive.

Status: 2019-05-21
**RECOMMENDED ACCESSORIES**

- Heat pump buffer tank: PU200 (optional)
- DHW tank: SP350
- 3-way switching module: built-in
- External PHE for DHW heating: PHE 2007 as of SP300

**Application**

- **Booster heater output**
  - Bivalent parallel: Sizing according to calculated value (offer program), but with minimum 50% of building heat load
  - Bivalent partial parallel: Sizing to 100% of building heat load
  - Bivalent alternative: Sizing to 100% of building heat load

**Max. connection length**

- AIR BASIC 211 C11B G1-1: L ≤ 20
- Max. height differential: Hmax ≤ 15

**LIMITS OF USE AIR BASIC 211 C11B G1-1**

- Outdoor temperature/max. heat pump flow temperature:
  - A-15/W55°C
  - A-20/W50°C
- Underfloor heating (-15°C / 35°C): YES
- Radiators (-15°C / 50°C): YES
- Radiators (-15°C / 60°C): NO
- Domestic hot water: YES

**PERFORMANCE CURVES AIR BASIC 211 C11B G1-1**

- **Heating output**
  - Air temperature °C
  - Heating output [kW]

- **COP**
  - Air temperature °C
  - COP

- **Power consumption**
  - Air temperature °C
  - Power consumption [kW]