

Alfea Extensa ^{ai} R32

Split air-to-water heat pump for improved performances
Average temperature solution for all projects



Remote piloting



+ BENEFITS

- Robust hydraulic conception due to patented coaxial heat exchanger
- Better performance, optimised acoustic pressure and increased energy efficiency
- Possibility of remote piloting via Cozytouch application due to NAVISTEM 400S control system
- Low acoustic level

DESCRIPTION

- Average temperature solution for all projects
- 4 models :5 to 10 kW
- Single-phase models
- Heating only
- Patented coaxial heat exchanger
- Inverter regulation
- Integrated 16 L buffer tank

AVAILABLE OPTIONS

- 2 zones kit (plug-and-play kit)
- Cooling kit
- Separate hot water tank
- Boiler connection kit
- Room controller

Practical trainings

that will help you save time and be more efficient.



On-site trainings

- PAC6-03-1: Install a new product - 1 day
- PAC6-05-1: Commissioning, maintenance and service - 1 day



Online trainings

- PAC 6-13-5: Installation & commissioning - ½ day
- PAC 6-15-5: Services test & breakdowns - ½ day



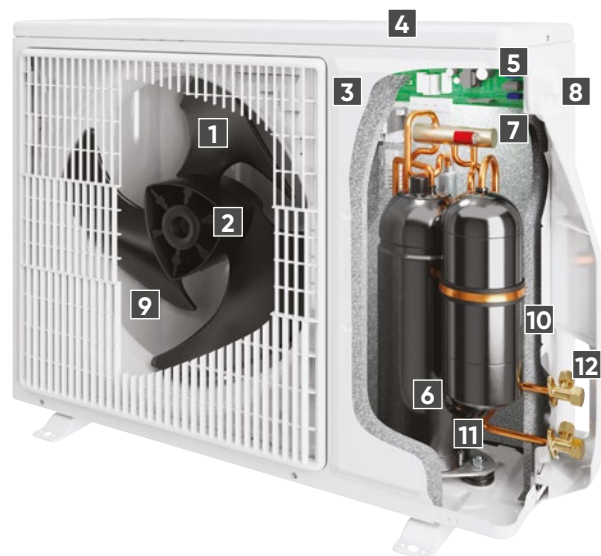
INDOOR HYDRAULIC MODULE



- 1 Electric board
- 2 User interface/regulator
- 3 Manometer
- 4 Low-consumption circulation pump
- 5 Heating flow
- 6 Heating return
- 7 Refrigerant connections
- 8 Expansion vessel
- 9 Safety valve
- 10 Coaxial heat exchanger

OUTDOOR INVERTER UNIT

- 1 Low-noise, high-output ventilator
- 2 Electric variable speed motor
- 3 "Inverter" control module
- 4 Control lights and buttons
- 5 Connection terminals (power supply and interconnection)
- 6 Refrigerant accumulator bottle
- 7 Cycle reversing valve
- 8 Anti-corrosion treated metal cover
- 9 High-performance exchange surface evaporator; anti-corrosion treated hydrophilic aluminium fins and grooved copper tubes
- 10 Electronic expansion valve
- 11 Noise and temperature insulated "Inverter" compressor
- 12 Refrigerating connection valves (flared connectors) with protective cover



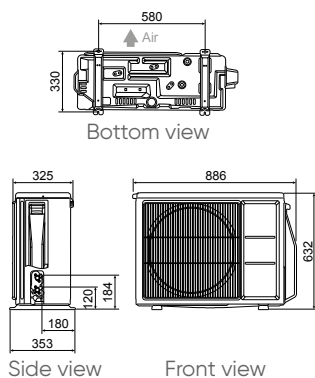
TECHNICAL CHARACTERISTICS AND PERFORMANCES

| | UNIT | ALFEA EXTENSA A.I. 5 R32 | ALFEA EXTENSA A.I. 6 R32 | ALFEA EXTENSA A.I. 8 R32 | ALFEA EXTENSA A.I. 10 R32 |
|----------------------------------------------------------------------|--------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| REFRIGERANT | | R32 | R32 | R32 | R32 |
| ENERGY EFFICIENCY & ACOUSTIC CHARACTERISTICS | | | | | |
| Energy class - Heating (35°C/55°C) | - | A+++ / A++ | A+++ / A++ | A+++ / A++ | A+++ / A++ |
| Rated heat power (35°C/55°C) | kW | 5/5 | 6/5 | 6/6 | 9/8 |
| Annual energy consumption - Heating (35°C/55°C) | kWh | 2322 / 3035 | 2594 / 3411 | 2982 / 3903 | 3 875 / 5 083 |
| Seasonal energy efficiency - Heating (35°C/55°C) | % | 175 / 125 | 175 / 125 | 177 / 128 | 178 / 130 |
| Seasonal energy efficiency - Heating (35°C/55°C) with outdoor sensor | % | 177 / 127 | 177 / 127 | 179 / 130 | 180 / 132 |
| Sound power level (indoor/outdoor) ⁽¹⁾ | dB(A) | 40 / 57 | 40 / 57 | 40 / 60 | 40 / 62 |
| MAIN CHARACTERISTICS | | | | | |
| SCOP 35 °C / 55 °C | - | 4,45 / 3,20 | 4,46 / 3,21 | 4,5 / 3,28 | 4,53 / 3,33 |
| Heating capacity +7°C/+35°C - Underfloor Heating | kW | 4.50 | 5.50 | 7.50 | 9.50 |
| COP +7°C/+35°C - Underfloor Heating | | 4.74 | 4.65 | 4.43 | 4.50 |
| Heating capacity -7°C/+35°C - Underfloor Heating | kW | 4.40 | 5.00 | 5.70 | 8.90 |
| COP -7°C/+35°C - Underfloor Heating | | 2.76 | 2.63 | 2.68 | 3.36 |
| Heating capacity +7°C/+45°C - Low T°radiators | kW | 4.50 | 5.50 | 7.25 | 2.65 |
| COP +7°C/+45°C - Low T°radiators | | 3.39 | 3.39 | 3.35 | 9.25 |
| Heating capacity -7°C/+45°C - Low T°radiators | kW | 4.28 | 4.82 | 5.58 | 8.61 |
| COP -7°C/+45°C - Low T°radiator | | 2.26 | 2.21 | 2.17 | 2,27 |
| Heating capacity +7°C/+55°C - Radiators | kW | 4.50 | 5.50 | 7.00 | 9.00 |
| COP +7°C/+55°C - Radiators | | 2.64 | 2.67 | 2.66 | 2,70 |
| Heating capacity -7°C/+55°C - Radiators | kW | 3.90 | 4.25 | 5.30 | 8.00 |
| COP -7°C/+55°C - Radiators | | 1.85 | 1.89 | 1.90 | 1,95 |
| Additional electric back-up heater | kW | 3 / 6 | 3 / 6 | 3 / 6 | 3 / 6 |
| INDOOR HYDRAULIC MODULE | | | | | |
| Noise level ⁽²⁾ | dB(A) | 32 | 32 | 32 | 32 |
| Net weight/filled weight ⁽³⁾ | kg | 42 / ask for this information | 42 / ask for this information | 42 / ask for this information | 42 / ask for this information |
| Power supply | V / Hz | 230 / 50 | 230 / 50 | 230 / 50 | 230 / 50 |
| OUTDOOR UNIT | | | | | |
| Noise level ⁽⁴⁾ | dB(A) | 35 | 35 | 38 | 40 |
| Operating weight | kg | 43 | 43 | 46 | 62 |
| REFRIGERANT CHARACTERISTICS | | | | | |
| Min./max. length | m | 3 / 30 | 3 / 30 | 3 / 30 | 3 / 30 |
| Max. difference in height | m | 20 | 20 | 20 | 20 |
| R32 factory load | g | 970 | 970 | 1 020 | 1 630 |
| Quantity of refrigerant in tons of CO ₂ equivalent | t | 0,65 | 0,65 | 0,69 | 1.10 |

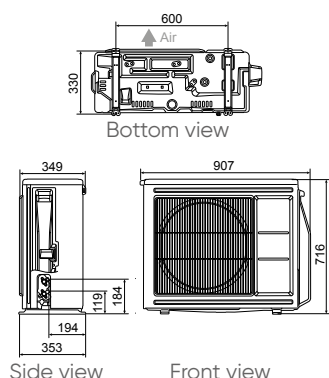
(1) Sound power level is a laboratory measurement of the sound power emitted by the product, but it does not correspond to the sound perceived. Used by acoustics specialists, it allows to measure the sound pressure level of the product in its working environment. - (2) Acoustic pressure at 1m from HP, 1,5 m height, open field, directivity 2. (3) Models with electric back-up. - (4) Acoustic pressure at 5m from HP, 1,5 m height, open field, directivity 2.

INSTALLATION DIMENSIONS (mm)

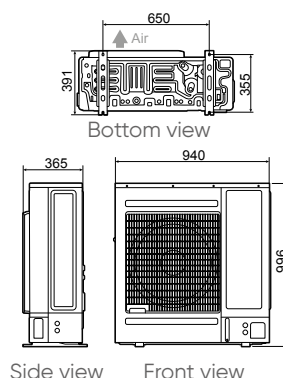
Outdoor Inverter unit
Alfea Extensa A.I. R32 5 and 6



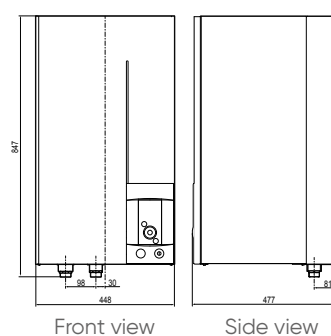
Outdoor Inverter unit
Alfea Extensa A.I. R32 8



Outdoor Inverter unit
Alfea Extensa A.I. R32 10



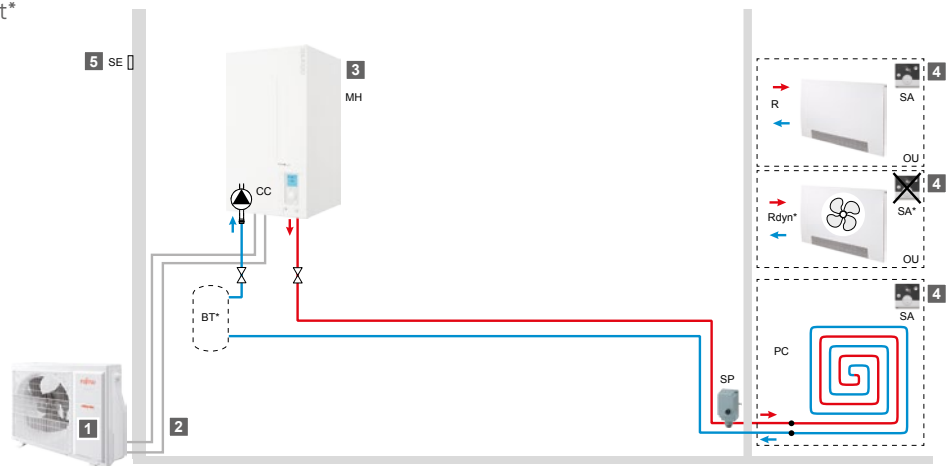
Indoor hydraulic
module



INSTALLATION SCHEMATICS

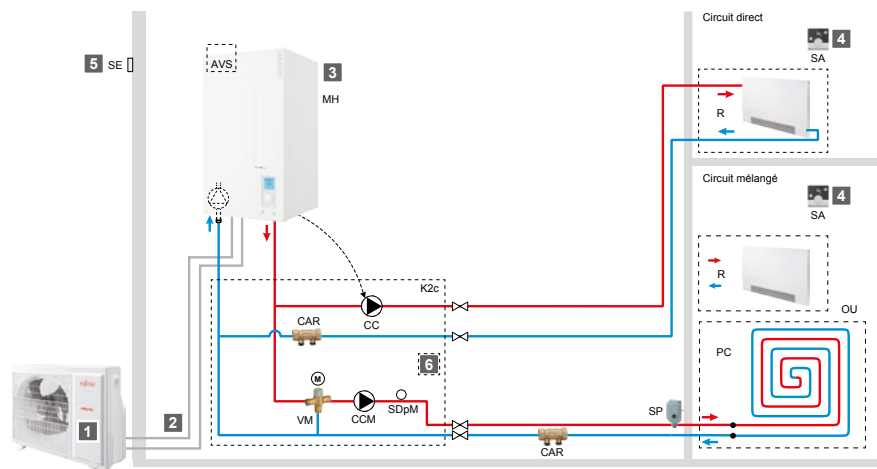
ALFEA EXTENSA A.I. R32: 1 HEATING ZONE

- 1 Outdoor unit and ground support*
- 2 Refrigerant connections*
- 3 Hydraulic module with electric back-up heater
- 4 Room controller*
- 5 Outdoor sensor



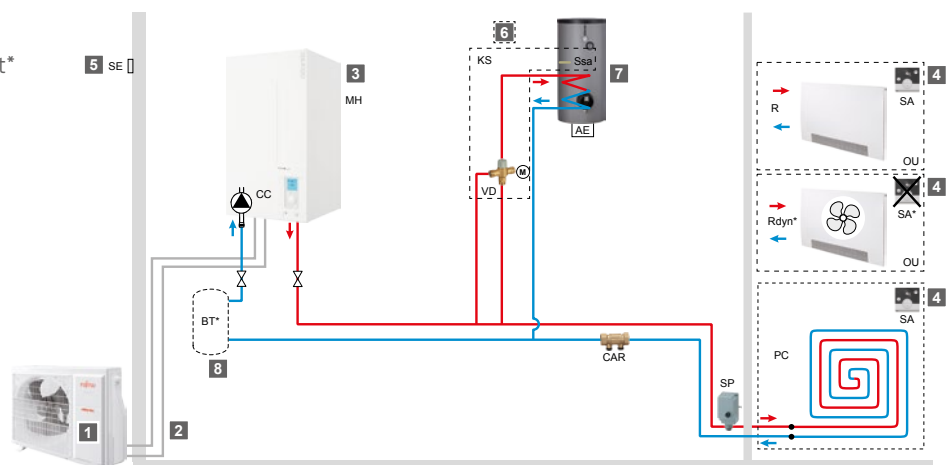
ALFEA EXTENSA A.I. R32: 2 HEATING ZONES

- 1 Outdoor unit and ground support*
- 2 Refrigerant connections*
- 3 Hydraulic module with electric back-up heater
- 4 Room controller*
- 5 Outdoor sensor
- 6 2 zones kit*



ALFEA EXTENSA A.I. R32: 1 HEATING ZONE + DHW PRODUCTION

- 1 Outdoor unit and ground support*
- 2 Refrigerant connections*
- 3 Hydraulic module with electric back-up heater
- 4 Room controller*
- 5 Outdoor sensor
- 6 DHW kit*
- 7 Water tank
- 8 Buffer tank**



*Optional - **Depending on type of heating devices and volume of water in heating zone