Alfea Extensa R32

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





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**

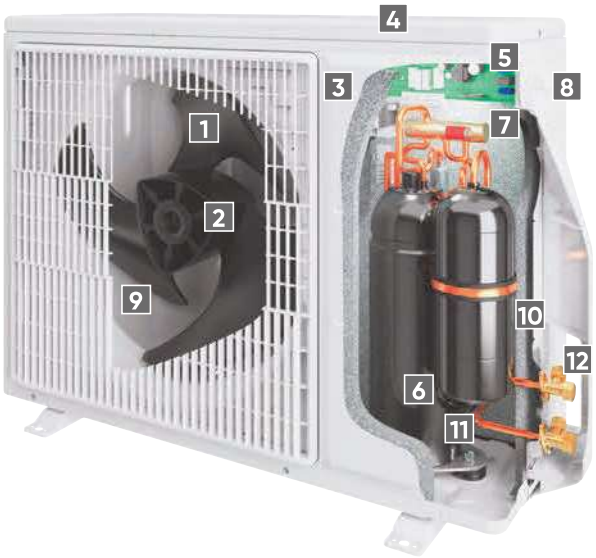
INDOOR HYDRAULIC MODULE



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



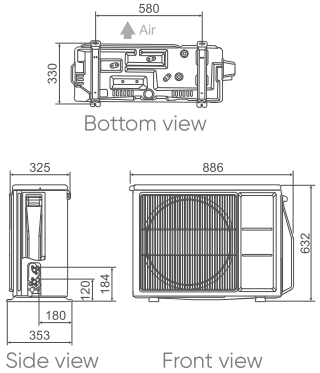
TECHNICAL CHARACTERISTICS AND PERFORMANCES

	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					
ErP 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

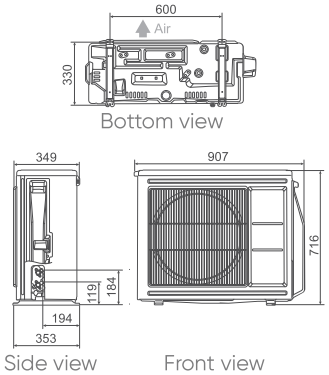
(1) Sound power level is a laboratory measurement of the sound power emitted by the product, but it does not correspond to the sound perceived. Used by acoustics specialists, it allows to measure the sound pressure level of the product in its working environment. - (2) Acoustic pressure at 1m from HP, 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)

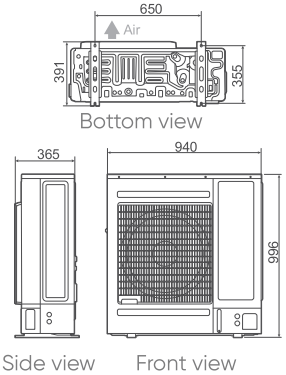
Outdoor Inverter unit Alfea Extensa A.I. R32 5 and 6



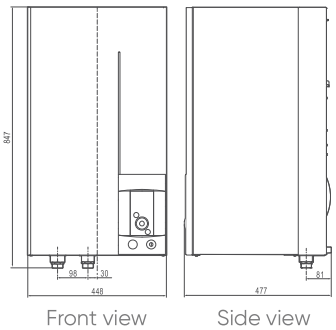
Outdoor Inverter unit Alfea Extensa A.I. R32 8



Outdoor Inverter unit Alfea Extensa A.I. R32 10



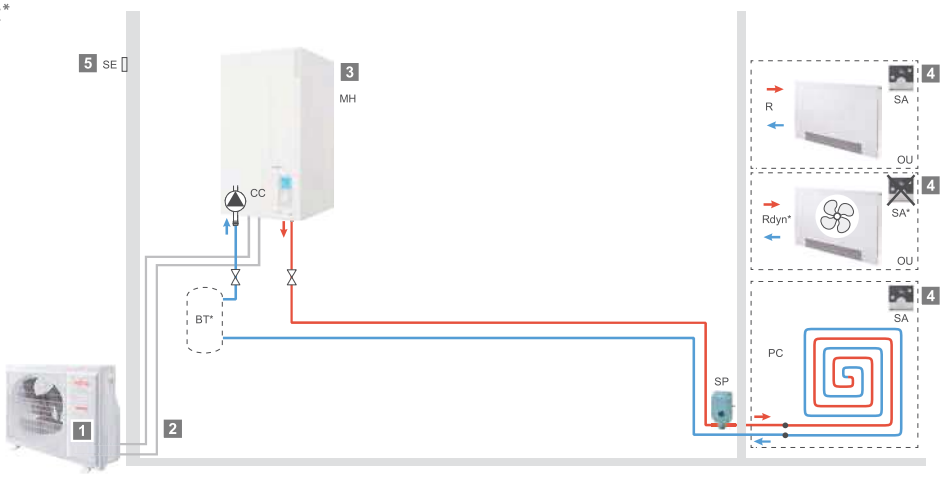
Indoor hydraulic module



INSTALLATION SCHEMATICS

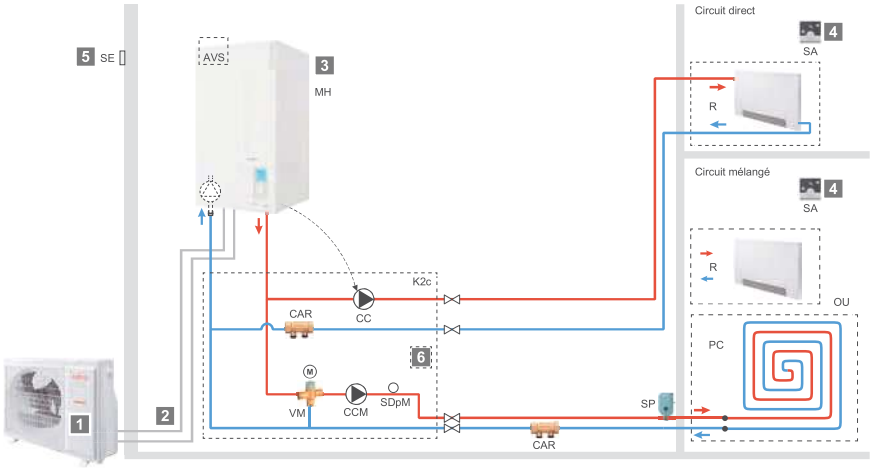
ALFEA EXTENSA A.I. R32: 1 HEATING ZONE

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



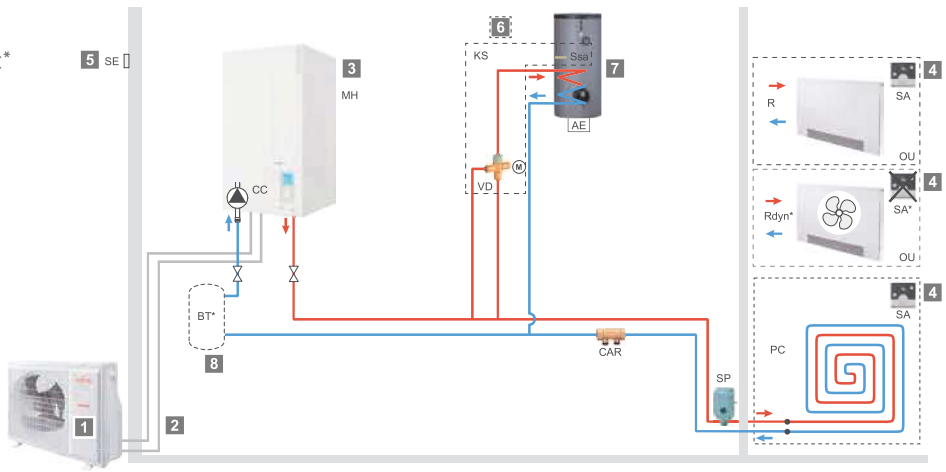
ALFEA EXTENSA A.I. R32: 2 HEATING ZONES

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