MONOBLOCK AIR/WATER HEAT PUMP

ARIANEXT M FLEX IN LINK R32

Inverter monobloc heat pump with ecological R32 gas and built-in unit.From heating,cooling and domestic water with integrated 150 lt boiler.

ENERGY EFFICIENCY CLASS

A+++ HEATING

> PERFORMANCE ELEVATE

- Very high efficiency, even in harsh climates
- Maximum silence, up to 53 dB(A)
- Power range from 1.7 to 17.7 kW
- Minimized domestic water heating times
- 150 lt single coil boiler with increased exchange surface
- Integrative electric resistance 2+2 kW

> EASY INSTALLATION

- System expansion vessel and DHW expansion tank integrated as standard
- Buffer 30 lt (mod 50 and 80/80T) or 50 lt (mod 120/120T and 150/150T) integrated as standard
- High resistance electrogalvanized sheet metal body

> SMART CONNECTIVITY

- Built-in Wi-Fi
- Expert HD system interface as standard
- Remote control via ChaffoLink App
- Voice control via Amazon Alexa and Google Assistant
- Remote assistance service available as an option

Power
FROM 1.7 TO 17.7 kW

Silence
UP TO 53 dB(A)

Integrated hot water tank
150 lt

Connectivity
STANDARD

TECHNICAL DATA

MODEL		50 M LINK R32	80 M LINK R32 80 M-T LINK R32	120 M LINK R32 *120 M-T LINK R32*	150 M LINK R32 *150 M-T LINK R32*
Heating performance*					
Nominal heat output (Ta +7°C, Tw 35°C)	kW	5,0	8,0	12,0	15,0
COP nom (Ta +7°C, Tw 35°C)		5,0	4,8	4,9	4,7
Useful thermal power at full capacity (Pn**) (Ta +7°C, Tw 35°C)	kW	6,7	8,7	12,0	15,0
COP at Pn**(Ta +7°C, Tw 35°C)		4,5	4,6	4,8	4,7
Thermal power (Ta -7°C, Tw 35°C)	kW	5,0	7,4	9,5	11,0
COP nom (Ta -7°C, Tw 35°C)		2,9	3,0	3,2	3,1
Cooling performance**					
Thermal power (Ta 35°C, Tw 18°C)	kW	4,6	7,0	10,7	12,5
EER nom (Ta 35°C, Tw 18°C)		4,6	4,7	5,1	4,7
Thermal power (Ta 35°C, Tw 7°C)	kW	5,0	7,0	9,1	11,0
EER (Ta 35°C, Tw 7°C)		2,9	3,1	3,2	2,9
DataERP					
Energy class in heating 35°C /55 °C		A+++/A++	A+++/A++	A+++/A++	A+++/A+++

Codes				
Single phase	3302277	3302278	3302280	3302282
Three-phase	-	*3302279*	*3302281*	*3302283*

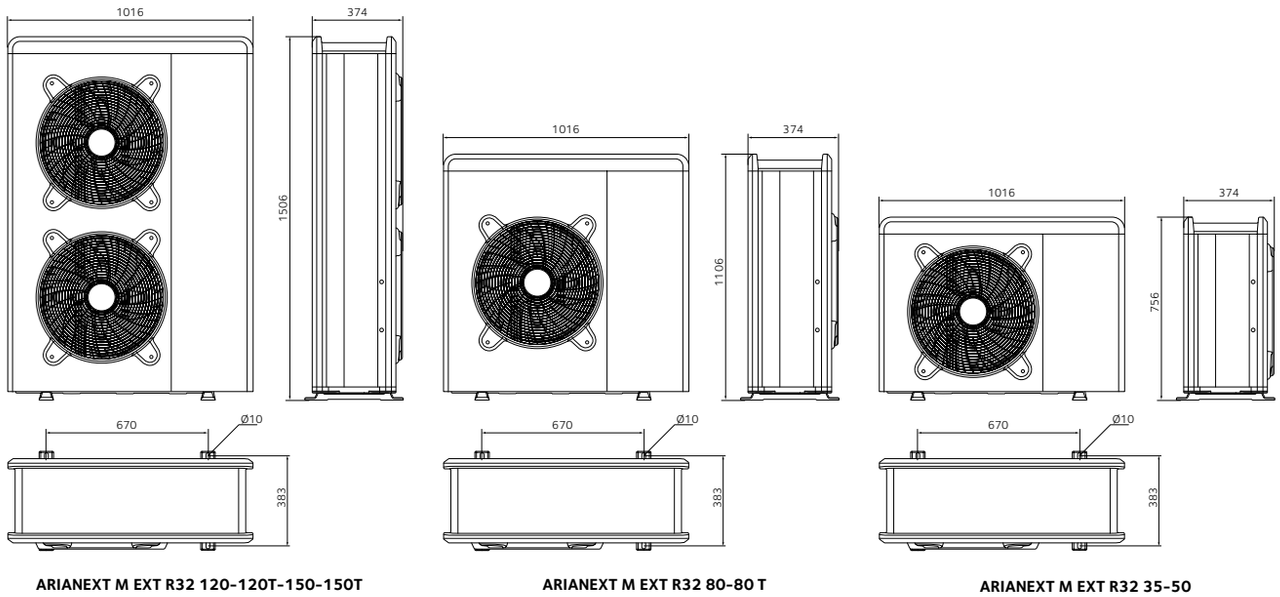
*Data calculated according to UNI EN 14511
**Data required to apply for access to tax incentives (65% Ecobonus and 110% Superbonus ref. Ministerial Decree 6 August 2020 - Technical requirements decree; Thermal Account ref. Ministerial Decree 02.16.2016)

OUTDOOR UNIT

ARIANEXT M EXT R32

The Arianext M Ext R32 outdoor unit is equipped with a brushless motor for maximum operating silence and a twin rotary compressor which ensures silent and efficient operation even at partial loads and in harsh climates. Inverter control to adapt the power supplied to that required by the system at any time, minimizing on/off cycles and 1" water connections.

DIMENSIONS

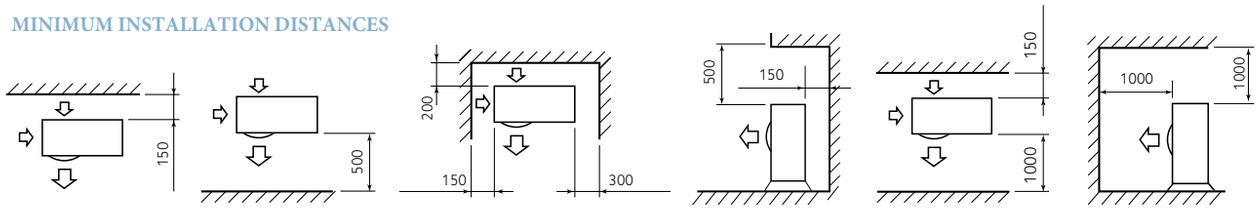


ARIANEXT M EXT R32 120-120T-150-150T

ARIANEXT M EXT R32 80-80 T

ARIANEXT M EXT R32 35-50

MINIMUM INSTALLATION DISTANCES



NOTE: Sold exclusively within one of the ARIANEXT M LINK R32 packages

Power
FROM 1.7 TO 17.7 kW

Silence
UP TO 53 dB(A)

REFRIGERANT GAS
R32

TECHNOLOGY
INVERTER

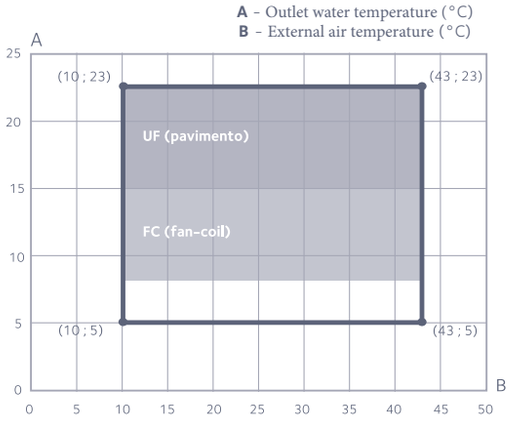
TECHNICAL FEATURES

ARIANEXT		50 M EXT	80 M EXT	80 M-T EXT	120 M EXT	120 M-T EXT	150 M EXT	150 M-T EXT
HEATING (heat pump performance)								
T flow min/max	°C	20/60						
T air min/max	°C	-20/35						
T air +7°C, T water35/30°C		Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max
Thermal power	kW	1,68/5,00/7,57	2,74/8,00/11,74	2,74/8,00/11,74	4,08/12,00/14,37	4,08/12,00/14,37	4,08/15,00/17,65	4,08/15,00/17,65
Nominal absorbed power	kW	1,00	1,67	1,67	2,45	2,45	3,19	3,19
COP nom		5,00	4,80	4,80	4,90	4,90	4,70	4,70
Tair -7°C, Twater 35/30°C		Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max
Thermal power	kW	1,04/5,00/5,20	1,79/7,41/8,45	1,79/7,41/8,45	2,99/9,51/11,47	2,99/9,51/11,47	2,99/11,00/13,79	2,99/11,00/13,79
Nominal absorbed power	kW	1,72	2,47	2,47	2,97	2,97	3,55	3,55
COP nom		2,90	3,00	3,00	3,20	3,20	3,10	3,10
Tair +7°C, Twater 45/40°C		Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max
Thermal power	kW	1,60/4,05/7,19	2,61/6,00/11,50	2,61/6,00/11,50	4,02/8,20/13,65	4,02/8,20/13,65	3,88/9,90/16,77	3,88/9,90/16,77
Nominal absorbed power	kW	1,11	1,62	1,62	2,00	2,00	2,48	2,48
COP nom		3,65	3,70	3,70	4,10	4,10	4,00	4,00
COOLING (heat pump performance)								
T flow min/max	°C	5/23						
T air min/max	°C	10/43						
Tair 35°C, Twater 7/12°C		Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max
Thermal power	kW	1,67/5,00/5,40	2,65/7,00/8,50	2,65/7,00/8,50	3,70/9,05/10,30	3,70/9,05/10,30	3,70/11,00/11,88	3,70/11,00/11,88
Nominal absorbed power	kW	1,75	2,26	2,26	2,87	2,87	3,75	3,75
EER nom		2,85	3,10	3,10	3,15	3,15	2,93	2,93
Tair 35°C, T water 18/23°C		Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max
Thermal power	kW	2,38/4,63/8,56	3,45/7,00/12,65	3,45/7,00/12,65	4,78/10,74/13,30	4,78/10,74/13,30	4,78/12,50/17,20	4,78/12,50/17,20
Nominal absorbed power	kW	1,02	1,49	1,49	2,11	2,11	2,66	2,66
EER nom		4,56	4,70	4,70	5,08	5,08	4,70	4,70
DATA ErP (medium climate, low flow temperature)								
External unit sound power	dB(A)	55	57	57	58	58	58	58
Annual energy absorbed	kWh/year	3360	4405	4405	5335	5335	6217	6217
Seasonal yield	%	136	140	140	143	143	151	151
ARIANEXT OUTDOOR UNIT								
Weight	kg	66	91	104	124	131	124	131
Refrigerant type		R32						
Refrigerant charge	g	1000	1400	1400	2100	2100	2100	2100
GWP		675						
CO_2 equivalent	t	0,68	0,95	0,95	1,42	1,42	1,42	1,42
Inlet - outlet pipe connection	Inches	1" M						
Voltage/phases/frequency	v/ph/Hz	230-1-50	230-1-50	400-3-50	230-1-50	400-3-50	230-1-50	400-3-50
Maximum power absorbed*	kW	3,06	4,53	4,98	5,15	5,00	6,18	6,18
Compressor type		DC TWIN ROTARY						
Degree of electrical protection		IP24						
Minimum water content in the primary of the system		25,00	40,00	40,00	60,00	60,00	75,00	75,00
Code		3630235	3630236	3630237	3630238	3630239	3630240	3630241

Technical data according to standard N 14511

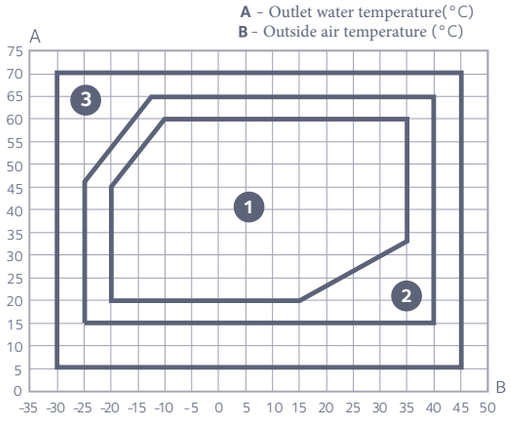
**In relation to the actual operating conditions of the product, dependent on the delivery temperature and the external temperature, the maximum electrical absorptions they could be higher, up to 20%, than those declared.*

Cooling operation limits*



**Possibility of compensation relating to the flow temperature up to -10°C compared to the gray areas of the graph, with an absolute lower limit of 5°C.*

Heating operation limits

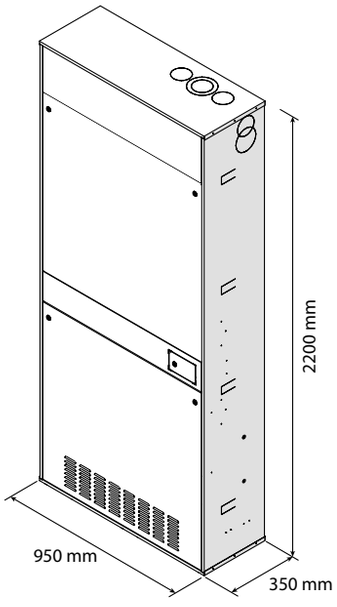


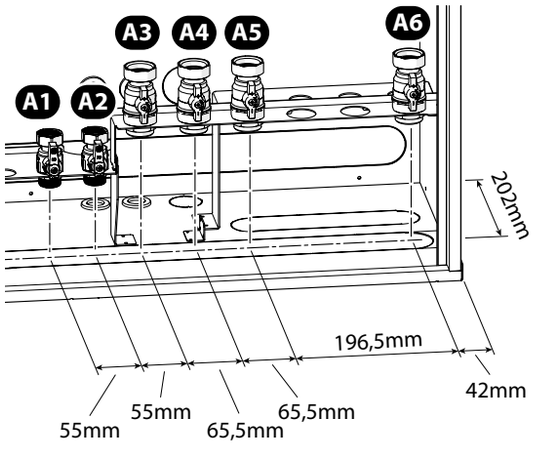
1 Unrestricted operation
2 Outdoor unit operation with possible reductions in capacity
3 Operation with back-UP electrical resistance necessary

SHEET METAL BOX

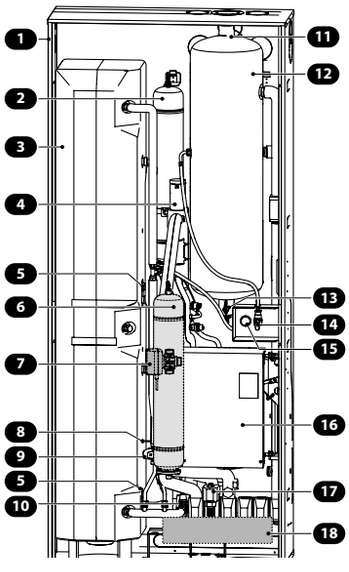
R32 BUILT-IN MODULE

Built-in unit in electro-galvanised sheet metal. The internal unit is composed of a single-coil boiler with an increased exchange surface of 150 lt, an 8 lt system and domestic hot water expansion tank, 2+2 kW inegrative resistors and is able to manage a standard single-emitter hot/cold zone. Components for double zone and double emitter available as accessories. Tap kits available as accessories for system preparation.





A1. Domestic hot water flow Ø3/4”
A2. Domestic hot water inlet Ø3/4”
A3. Delivery from the heat pump Ø1”
A4. Back to the heat pump Ø1”
A5. System delivery Ø1”
A6. System return Ø1”



1. Cassone
2. Technical expansion tank (F)
3. Boiler
4. Electrical resistance (AE)
5. Anodo
6. Hot water expansion tank (B)
7. 3-way diverter valve(H)
8. Storage tank probe (B3)
9. Mixing valve(Y)
10. Safety hydraulic unit (U)
11. Automatic deaerator (AH)
12. Buffer (30lt or 50lt) (E)
13. Manual buffer emptying tap
14. Manual buffer filling tap
15. Manometro
16. Electrical cabinet
17. System emptying tap
18. Hydraulic connections

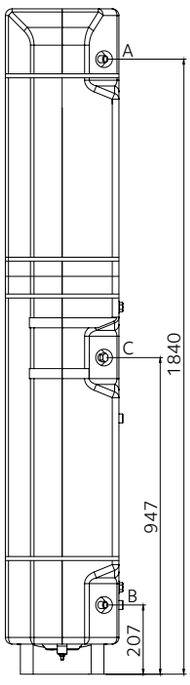
BUILT-IN BOILER

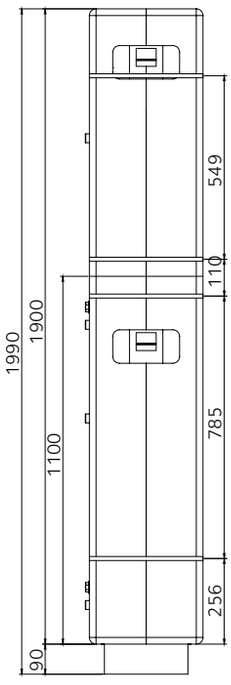
Single coil boiler with exchange surface increased by 150 lt, for the production of domestic water.
Sold exclusively in FLEX IN packages.

TECHNICAL FEATURES

		BUILT-IN BOILER
Capacity	lt	150
Serpentine exchange surface	m^2	1,4
Maximum operating pressure	bar	7
Thermal dispersions	W	86
Maximum temperature	°C	65
Net mass	kg	30

DIMENSIONS





A. Boiler delivery
B. Cold water inlet
C. Hot water recirculation connection
D. Drain