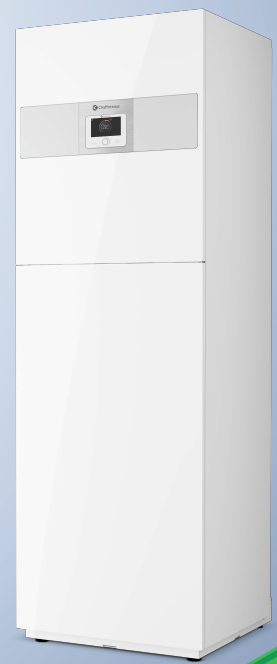




MONOBLOCK AIR/WATER HEAT PUMP

# ARIANEXT COMPACT M LINK R32

Inverter monobloc heat pump with ecological R32 gas. For heating and cooling. Prepared for combination with a domestic hot water tank..



R32



## ENERGY EFFICIENCY CLASS



### > HIGH PERFORMANCE

- Very high efficiency, even in harsh climates
- Maximum silence, up to 53 dB(A)
- Minimized domestic water heating times
- Power range from 1.7 to 17.7 kW
- Thanks to the DHW electric resistance (optional) it is possible to satisfy the heating and cooling needs at the same time hot water

### > EASY INSTALLATION

- Integrated magnetic filter as standard
- 12 lt expansion tank integrated as standard
- 8 lt expansion tank for sanitary fixture that can be integrated inside
- 15 lt buffer that can be integrated inside
- Simplified and unified connection kits for different types of installation
- Available in version with integrated double zone

### > SMART CONNECTIVITY

- Built-in Wi-Fi
- Expert HD system interface as standard, which can be integrated on the product
- Remote control via ChaffoLink App
- Remote assistance service available as an option
- Voice control via Amazon Alexa and Google Assistant

### > SIMPLIFIED MAINTENANCE

- Easy access front door
- Highly insulating coating that prevents condensation from forming

Length  
**60 cm**

Depth  
**60 cm**

Capacity  
**BOILER 180 lt**

Technology  
**INVERTER**

## TECHNICAL DATA

MODEL		35 M LINK R32	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
<b>Heating performance*</b>						
Nominal heat output(Ta +7°C, Tw 35°C)	kW	3,5	5	8	12	15
COP nom (Ta +7°C, Tw 35°C)		5,1	5	4,8	4,9	4,7
Useful thermal power at full capacity(Pn**) (Ta +7°C, Tw 35°C)	kW	5,9	6,7	8,7	12	15
COP to Pn**(Ta +7°C, Tw 35°C)		4,6	4,5	4,6	4,8	4,7
Thermal power (Ta -7°C, Tw 35°C)	kW	3,5	5,0	7,4	9,5	11,0
COP nom (Ta -7°C, Tw 35°C)		3,1	2,9	3,0	3,2	3,1
<b>Cooling performance**</b>						
Thermal power (Ta 35°C, Tw 18°C)	kW	4,1	4,6	7	10,7	12,5
EER nom (Ta 35°C, Tw 18°C)		5,3	4,6	4,7	5,1	4,7
Thermal power (Ta 35°C, Tw 7°C)	kW	3,5	5	7	9,1	11
EER (Ta 35°C, Tw 7°C)		3,4	2,9	3,1	3,2	2,9
<b>Performance in domestic hot water***</b>						
Load profile		L	L	L	L	L
Nominal storage volume	lt	180	180	180	180	180
Warm-up time	h:min	1:55	1:31	1:03	0:55	0:50
Stand-by power input (Pes)	W	38	38	38	38	38
COP in domestic hot water (35°C)		3,10	3,10	3,10	3,10	3,10
Maximum quantity at unloading(Vmax)	lt	233	233	233	233	233
<b>Data ERP</b>						
Energy class in heating 35°C /55 °C		A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A+++
Energy class in domestic hot water		A+	A+	A+	A+	A+

<b>Codes</b>						
1 zone models	Single phase	3302002	3302004	3302006	3302010	3302014
	Three-phase	-	-	3302008	3302012	3302016
2 zone models	Single phase	3302003	3302005	3302007	3302011	3302015
	Three-phase	-	-	3302009	3302013	3302017

\*Data calculated according to UNI EN 14511

\*\*Data required for application for access to tax incentives (Ecobonus 65% and Superbonus 110% ref. Ministerial Decree 6 August 2020 - Technical requirements decree; Thermal Account ref. Ministerial Decree 16.02.2016)

\*\*\*Data calculated according to UNI EN 16147





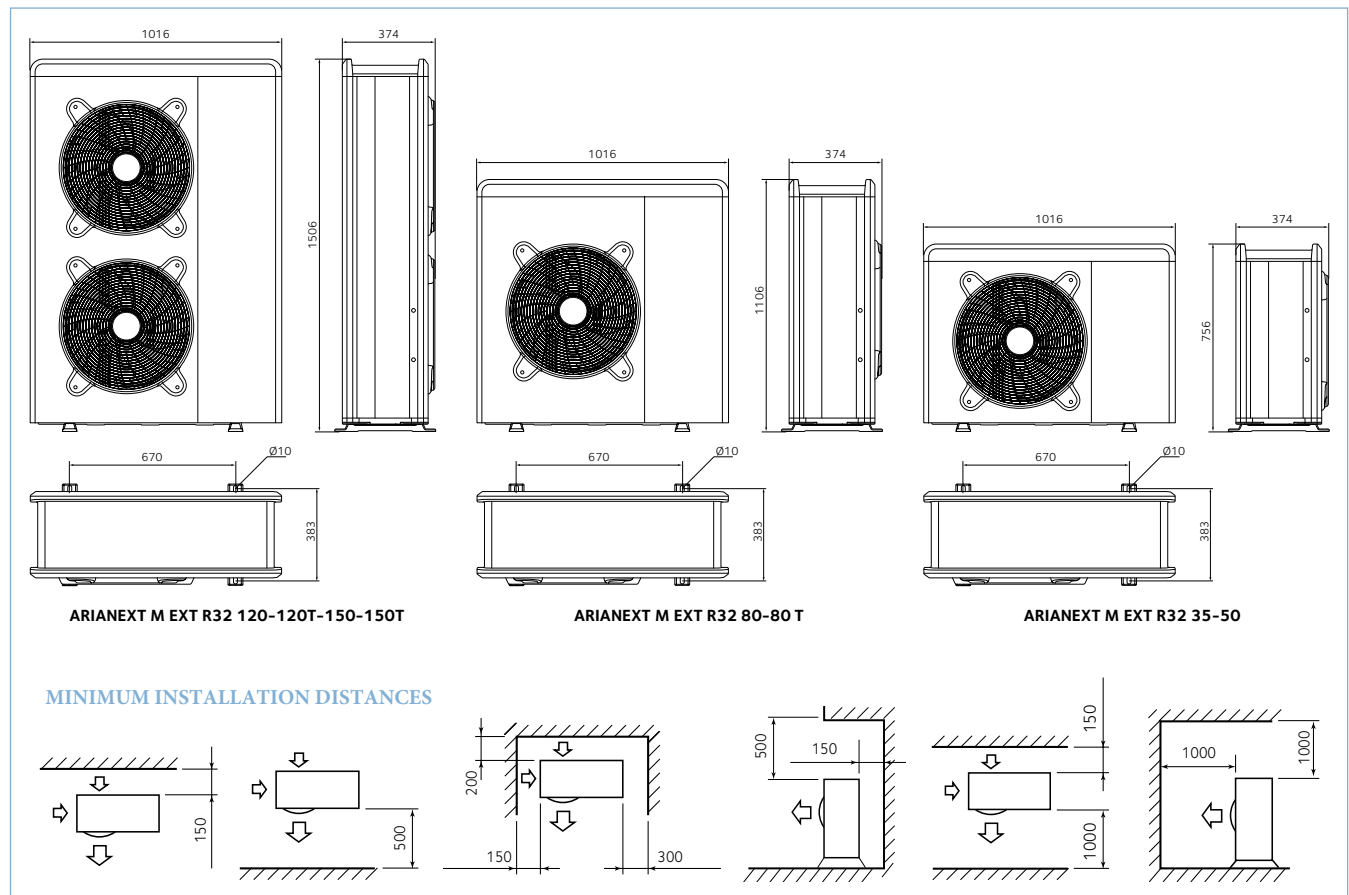
## OUTDOOR UNIT

# 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



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

Length  
101,6 cm

Depth  
37,4 cm

Technology  
INVERTER

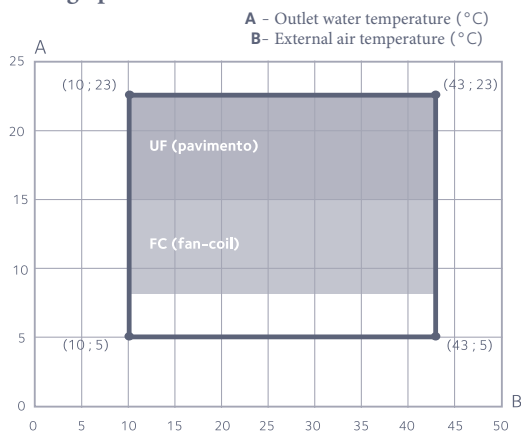
## TECHNICAL FEATURES

ARIANEXT		35 M EXT	50 M EXT	80 M EXT	80 M-T EXT	120 M EXT	120 M-T EXT	150 M EXT	150 M-T EXT
<b>HEATING (heat pump performance)</b>									
T flow min/max	°C	-20/35							
T air min/max	°C	20/60							
<b>T air +7°C, T water 35/30°C</b>									
		Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max
Thermal power	kW	1,68/3,50/6,35	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	0,69	1,00	1,67	1,67	2,45	2,45	3,19	3,19
COP nom		5,10	5,00	4,80	4,80	4,90	4,90	4,70	4,70
<b>T air -7°C, T water 35/30°C</b>									
		Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max
Thermal power	kW	1,04/3,51/4,52	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	1,13	1,72	2,47	2,47	2,97	2,97	3,55	3,55
COP nom		3,1	2,90	3,00	3,00	3,20	3,20	3,10	3,10
<b>T air +7°C, T water 45/40°C</b>									
		Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max
Thermal power	kW	1,60/3,00/6,04	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	0,8	1,11	1,62	1,62	2,00	2,00	2,48	2,48
COP nom		3,74	3,65	3,70	3,70	4,10	4,10	4,00	4,00
<b>COOLING (heat pump performance)</b>									
T flow min/max	°C	10/43							
T air min/max	°C	5/23							
<b>T air 35°C, T water 7/12°C</b>									
		Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max
Thermal power	kW	1,65/3,50/3,81	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	1,03	1,75	2,26	2,26	2,87	2,87	3,75	3,75
EER nom		3,40	2,85	3,10	3,10	3,15	3,15	2,93	2,93
<b>T air 35°C, T water 18/23°C</b>									
		Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max	Min / Nom / Max
Thermal power	kW	2,39/4,08/6,59	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	0,77	1,02	1,49	1,49	2,11	2,11	2,66	2,66
EER nom		5,29	4,56	4,70	4,70	5,08	5,08	4,70	4,70
<b>ErP data (medium climate, low flow temperature)</b>									
External unit sound power	dB(A)	53	55	57	57	58	58	58	58
Annual energy absorbed	kWh/year	2790	3360	4405	4405	5335	5335	6217	6217
Seasonal yield	%	134	136	140	140	143	143	151	151
<b>ARIANEXT OUTDOOR UNIT</b>									
Weight	kg	66	66	91	104	124	131	124	131
Refrigerant type		R32							
Refrigerant charge	g	1000	1000	1400	1400	2100	2100	2100	2100
GWP		675							
CO <sub>2</sub> equivalent	t	0,68	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	230-1-50	400-3-50	230-1-50	400-3-50	230-1-50	400-3-50
Maximum power absorbed*	kW	2,54	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		17,50	25,00	40,00	40,00	60,00	60,00	75,00	75,00
Code		3630234	3630235	3630236	3630237	3630238	3630239	3630240	3630241

Technical data according to EN 14511

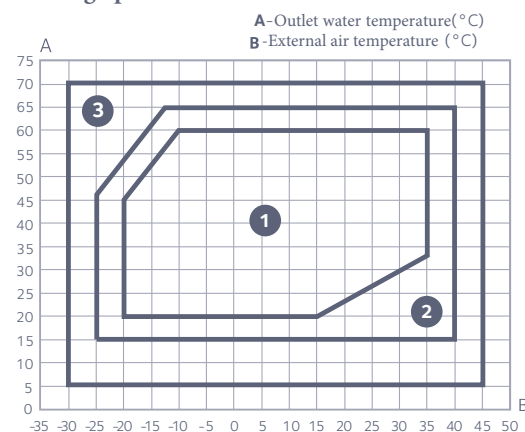
\* In relation to the actual operating conditions of the product, dependent on the delivery temperature and the external temperature, the maximum electrical absorptions they could be higher, up to 20%, than those declared.

### 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



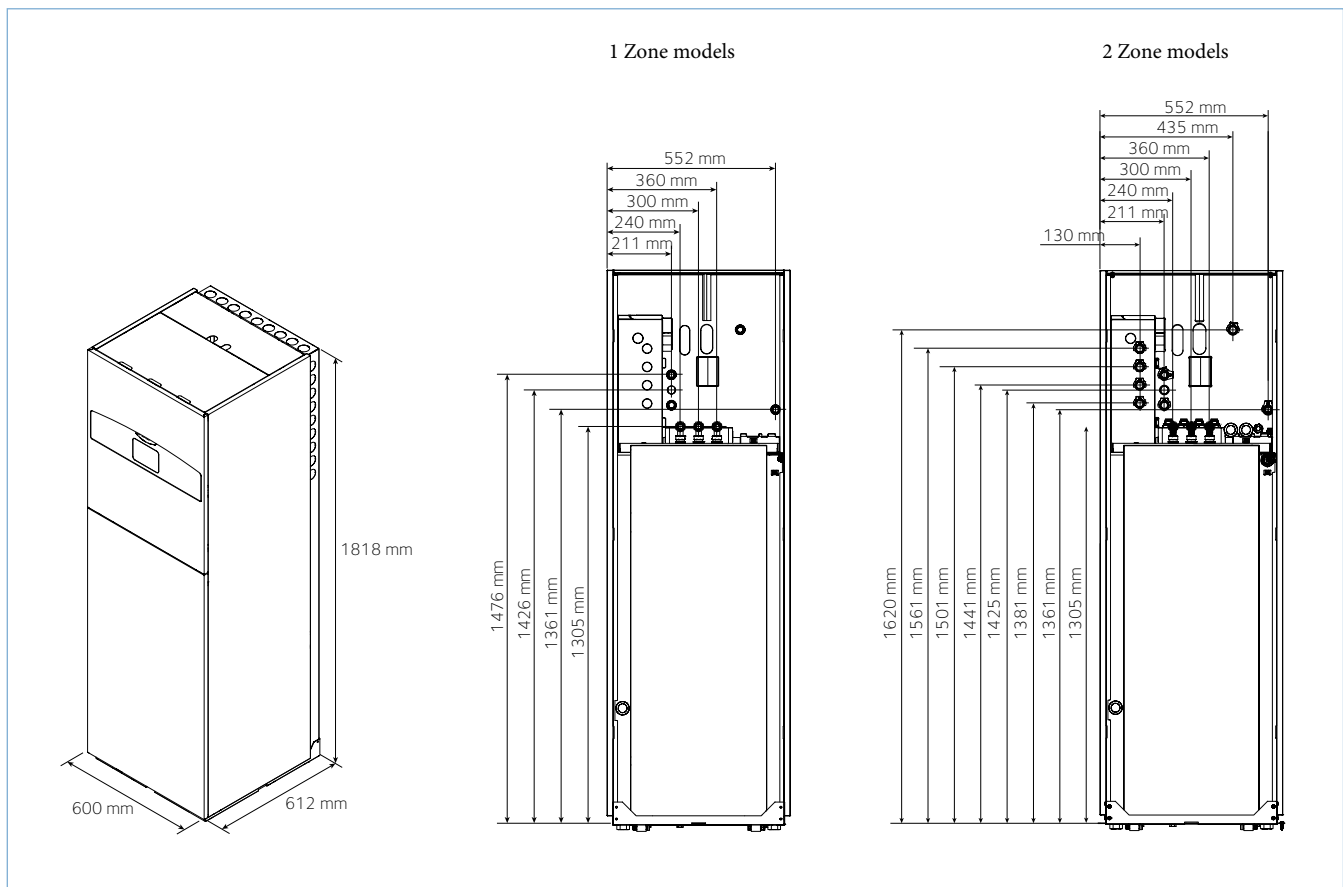
- 1 Unrestricted operation
- 2 External unit operation with possible reductions of capacity
- 3 Operation with back-up electrical resistance necessary



## INTERNAL UNIT

# ARIANEXT FSP M R32

Internal column unit with integrated boiler. Highly insulating coating, magnetic filter and 12 lt expansion tank integrated as standard. Back up electrical resistors with modular power (2+2) kW up to the 80 model, (2+2+2) kW for the 120 and 150 models. Expert HD interface as standard which can be integrated on the machine. Boiler set up for domestic hot water recirculation. Integrable accessories.



## TECHNICAL FEATURES

ARIANEXT FSP M		35 M LINK R32	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
Voltage/frequency (single phase)	v/ph/Hz	230-1-50				
Voltage/frequency (three-phase)	v/ph/Hz	-			400-3-50	
Indoor unit sound power (1zone/2zone)	dB(A)	35/42				
Net weight (1zone/2zone)	kg	127/134				
Electrical power resistors	kW	2+2			2+2+2	
Maximum power absorbed (1 zone/2 zones)	kW	4,10/4,25			6,10/6,25	
Heating/DHW connections		1" / 3/4" M				
Minimum/nominal water flow rate	lt/h	480/640	650/860	1050/1400	1580/2100	1950/2600
Expansion tank capacity	lt	12				
Minimum water content in the primary	lt	17,5	25	40	60	75

