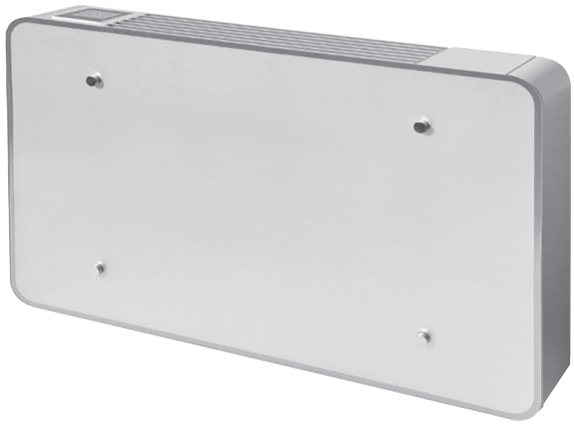
ARIA

High performance ultra slim design fan coils



Display Touch Screen
Wi-Fi (optional)

SILENT VENTILATION

HEATING QUICK EFFECTIVE

COOLS E DEHUMIDIFY

INSTALLABLE WALL AND CEILING

CONNECTIONS REVERSIBLE

TOUCH SCREEN CONTROL OPTIONAL WI-FI

RADIANT PANEL OPTIONAL

12 cm
VERY SUBTLE

Technical and construction characteristics

ARIA is the hydronic fan coil for low wall and horizontal ceiling installation, it is part of the new design line with a satin glass front. The silence is only 20 dB(A) thanks to the tangential fan with a special aluminum profile and the DC Inverter motor which reduces the revolutions even below 400 rpm.
ARIA in all its models holds the record for the thinnest design on the market, with its effective 12 cm across its entire height it is 10% thinner than its competitors in the slim segment.
A feature that distinguishes the machine is the absence of front intake grilles, thanks to the innovative ventilation system which improves the performance of the battery by working at negative pressure.
ARIA using Inverter technology is a low consumption fan coil, with an average electrical absorption equal to approximately 1/5 of normal fan coils on the market.
The great advantage of ARIA is that it can work even with low water temperatures, thus improving performance even in combination with heat pumps and condensing boilers.
The ARIA fans are ideal for air conditioning the house in both summer and winter, with various functions, heating, cooling, dehumidification and purification.
The product is available in 4 different sizes, it can be installed to replace old radiators with 12 mm copper pipes, using a water delta T of 20 °C (typical of boilers), or with 16 mm diameter pipes and 20 mm for a delta T of 5 °C (typical of heat pumps).

Other main features are:
- Low electrical consumption, only 4 Watts;
- Front panel in tempered glass crystal;
- Radiant panel on request;
- Unlimited life stainless steel pleated filters;
- Aluminum tangential fan for greater efficiency; - Controls on board the machine or on the wall;
- Easy to install, possibility of having hydraulic connections right or left directly on site;
- 2 and 4 pipe installations;
- DC motor with low electrical absorption (energy saving); - High efficiency exchanger;

Model	Heating power kW	Cooling power kW	Code	€
Fancoil ARIA 200	**1,10**	**0,88**	**52200122**	**680,00**
Fancoil ARIA 400	**2,40**	**1,81**	**52200123**	**750,00**
Fancoil ARIA 600	**3,20**	**2,70**	**52200124**	**870,00**
Fancoil ARIA 800	**4,23**	**3,38**	**52200125**	**1.028,00**

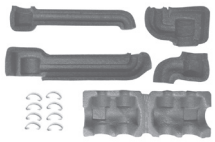
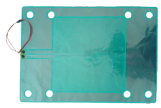
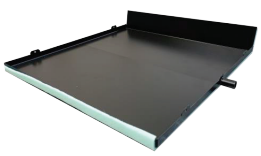
Accessori ARIA

Touch Screen control in ModBus WiFi mode for stand-alone operation or connection with AlterEgo, possibility of installation directly on the unit or on the wall (provide for flush-mounting box type 502). Accessory supplied with kit installed.

52200126 **180,00**

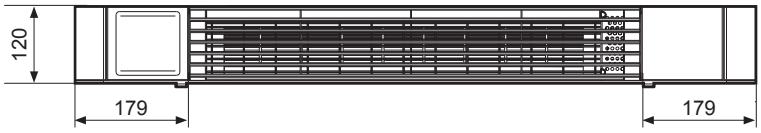
ACCORRONI Climate Technology

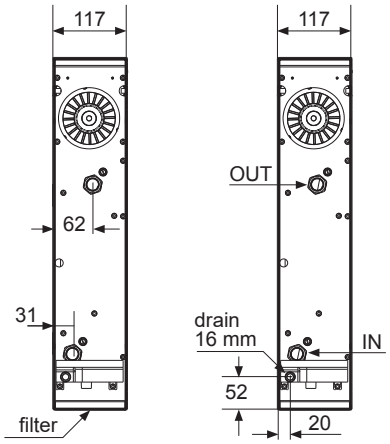
Accessories ARIA

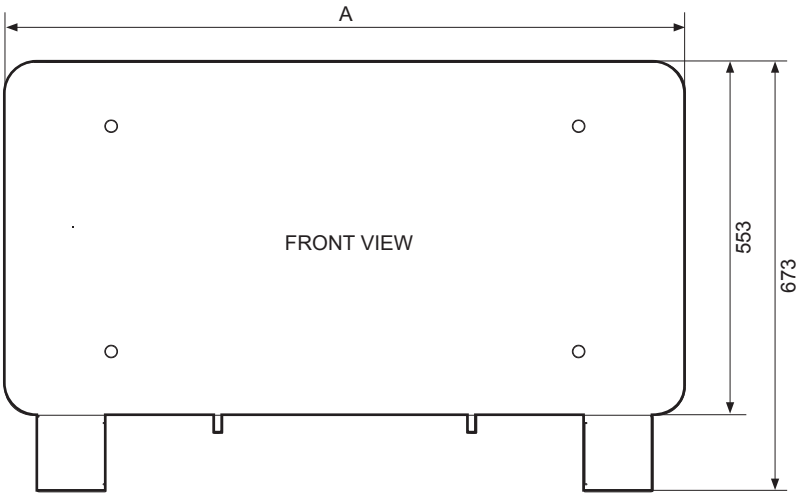
			Code	€
	2-way valve, 2-pipe system kit + microswitch to turn the external unit on or off or to operate a booster pump	**mod. 200 - 600** **mod. 800**	**52200127** **52200128**	**210,00** **210,00**
	3-way valve, 2-pipe system kit + microswitch to turn the external unit on or off or to operate a booster pump	**mod. 200 - 600** **mod. 800**	**52200129** **52200130**	**210,00** **210,00**
	3-way valve, 4-pipe system kit + microswitch to turn the external unit on or off or to operate a booster pump		**52200131**	**386,00**
	Extendable flexible hose for 2/3 way valve	**mod. 200 - 600** **mod. 800**	**52200132** **52200133**	**130,00** **143,00**
	Extendable flexible hose with taps for 2/3 way valve	**mod. 200 - 600** **mod. 800**	**52200134** **52200135**	**145,00** **157,00**
	Insulation shell kit for 2/3 way valve	**mod. 200 - 600 - 2 way** **mod. 800 - 2 way** **mod. 200 - 600 - 3 way** **mod. 800 - 3 way**	**52200136** **52200137** **52200138** **52200139**	**54,00** **54,00** **54,00** **54,00**
	Probe to measure the minimum temperature of the water supplied by the external unit		**52200140**	**23,00**
	Floor fixing feet kit		**52200141**	**54,00**
	Radiant effect panel	**mod. 200 - 400**	**52200142**	**107,00**
	Radiant effect panel	**mod. 600 - 800**	**52200143**	**107,00**
	Horizontal condensate collection tray	**mod. 200** **mod. 400** **mod. 600** **mod. 800**	**52200144** **52200145** **52200146** **52200147**	**95,00** **96,00** **97,00** **98,00**
	Condensate drain pump		**52200148**	**275,00**

Dimensions and Weight ARIA mod. vertical

Model	A	Brut weight
ARIA 200	681	18
ARIA 400	873	21
ARIA 600	1065	24
ARIA 800	1257	27

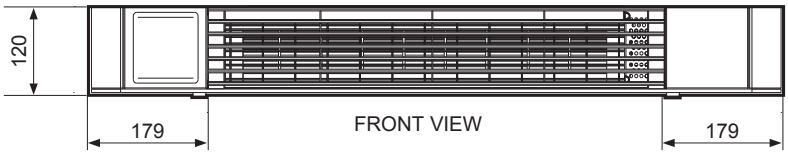


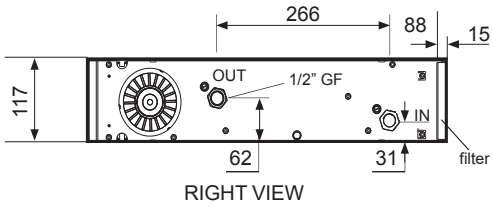




Dimensions and Weight ARIA mod. horizontal

Model	A	Brut weight
ARIA 200	681	18
ARIA 400	873	21
ARIA 600	1065	24
ARIA 800	1257	27

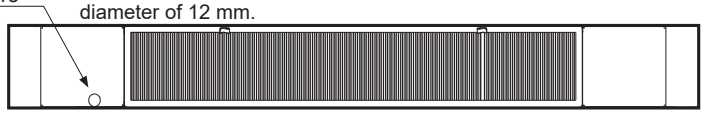




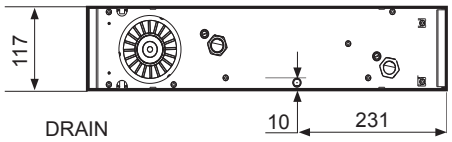
RIGHT VIEW

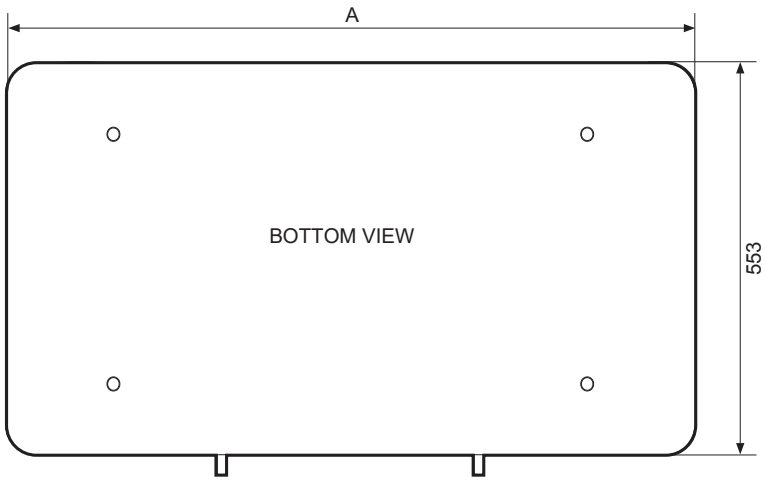
drain
Ø 18

indicates the diameter of the hole for the passage of the exhaust pipe. It is recommended to use a pipe with an external diameter of 17 mm and an internal diameter of 12 mm.



REAR VIEW





The unit can have hydraulic connections only on the right side. The electrical box is on the opposite side
The auxiliary condensate collection tray is not provided.

Technical data ARIA with 2-pipe system

DESCRIPTION	U.M.	Speed	200	400	600	800
Air flow	m^3/h	Extra	250	390	510	620
		Max (*)	180	315	450	540
		Med (*)	120	230	350	450
		Min (*)	80	155	240	310
		Static	10	18	25	32
Total cooling capacity	kW	Extra	1,19	2,12	2,90	3,73
Sensible cooling capacity	kW	Extra	0,87	1,56	2,16	2,97
Water flow	l/h	Extra	204	364	498	639
Pressure drops	kPa	Extra	15,1	10,2	20,9	19,9
Total cooling capacity	kW	Max	0,88	1,81	2,70	3,38
Sensible cooling capacity	kW	Max	0,69	1,35	2,00	2,70
Water flow	l/h	Max	151	311	463	580
Pressure drops	kPa	Max	13,1	8,2	19,0	18,7
Total cooling capacity	kW	Med	0,79	1,45	2,20	2,75
Sensible cooling capacity	kW	Med	0,60	1,10	1,68	2,30
Water flow	l/h	Med	136	249	377	472
Pressure drops	kPa	Med	7,2	6,0	16,5	13,2
Total cooling capacity	kW	Min	0,45	0,98	1,70	2,13
Sensible cooling capacity	kW	Min	0,30	0,70	1,25	1,70
Water flow	l/h	Min	77	168	292	365
Pressure drops	kPa	Min	4,1	4,1	13,0	10,0
Total cooling capacity	kW	Static	0,10	0,14	0,20	0,23
Sensible cooling capacity	kW	Static	0,08	0,11	0,16	0,20
Water flow	l/h	Static	151	311	463	580
Pressure drops	kPa	Static	13,1	8,2	19,0	18,7
Main exchanger thermal power	kW	Extra	1,55	2,71	3,71	4,71
Main exchanger water flow rate	l/h	Extra	204	364	498	639
Main exchanger pressure drops	kPa	Extra	13,5	8,1	16,8	16,9
Main exchanger thermal power	kW	Max	1,10	2,40	3,20	4,23
Main exchanger water flow rate	l/h	Max	151	311	463	580
Main exchanger pressure drops	kPa	Max	12,2	6,8	15,8	15,5
Main exchanger thermal power	kW	Med	0,90	1,50	2,40	3,40
Main exchanger water flow rate	l/h	Med	136	249	3,77	472
Main exchanger pressure drops	kPa	Med	6,9	5,7	14,7	12,1
Main exchanger thermal power	kW	Min	0,61	1,16	1,75	2,41
Main exchanger water flow rate	l/h	Min	77	168	292	365
Main exchanger pressure drops	kPa	Min	4,0	3,9	10,0	8,2
Main exchanger thermal power	kW	Static	0,22	0,25	0,3	0,38
Main exchanger water flow rate	l/h	Static	151	311	463	580
Main exchanger pressure drops	kPa	Static	12,2	6,8	15,8	15,5
Electrical supply			230V/1/50Hz			

(*) Heating room temperature 20 °C Cooling room temperature 27 °C
(*) The declared values relate to the standard settings, therefore relating to 1500, 900 and 600 RPM.
It is always possible to modify the air flow rates by changing the settings of the dipswitches on the electronic board

Noise data ARIA

	U.M.	Speed	200	400	600	800
Sound power	dB(A)	Extra	55,0	56,0	57,1	58,3
	dB(A)	Max (*)	51,3	52,2	52,4	53,3
	dB(A)	Med (*)	44,6	45,5	46,6	48,6
	dB(A)	Min (*)	37,5	38,6	40,5	38,7
	dB(A)	Static	0	0	0	0

Noise data ARIA

	U.M.	Speed	200	400	600	800
Sound pressure	dB(A)	Extra	38,0	39,0	40,1	41,3
	dB(A)	Max (*)	34,3	35,2	35,4	36,3
	dB(A)	Med (*)	27,6	28,5	29,6	31,6
	dB(A)	Min (*)	20,5	21,6	23,5	21,7
	dB(A)	Static	0	0	0	0

(*) Sound pressure measured at 2 meters

Technical data ARIA with 4-pipe system

DESCRIPTION	U.M.	Speed	200	400	600	800
Air flow	m^3/h	Extra	250	390	510	620
		Max (*)	180	315	450	540
		Med (*)	120	230	350	450
		Min (*)	80	155	240	310
		Static	10	18	25	32
Total cooling capacity	kW	Extra	1,19	2,12	2,90	3,73
Sensible cooling capacity	kW	Extra	0,87	1,56	2,16	2,97
Water flow rate	l/h	Extra	204	364	498	639
Pressure drops	kPa	Extra	15,1	10,2	20,9	19,9
Total cooling capacity	kW	Max	0,88	1,81	2,70	3,38
Sensible cooling capacity	kW	Max	0,69	1,35	2,00	2,70
Water flow	l/h	Max	151	311	463	580
Pressur drops	kPa	Max	13,1	8,2	19,0	18,7
Total cooling capacity	kW	Med	0,79	1,45	2,20	2,75
Sensible cooling capacity	kW	Med	0,60	1,10	1,68	2,30
Water flow	l/h	Med	136	249	377	472
Pressure drops	kPa	Med	7,2	6,0	16,5	13,2
Total cooling capacity	kW	Min	0,45	0,98	1,70	2,13
Sensible cooling capacity	kW	Min	0,30	0,70	1,25	1,70
Water flow	l/h	Min	77	168	292	365
Pressur drops	kPa	Min	4,1	4,1	13,0	10,0
Total cooling capacity	kW	Static	0,10	0,14	0,20	0,23
Sensible cooling capacity	kW	Static	0,08	0,11	0,16	0,20
Water flow	l/h	Static	151	311	463	580
Pressure drops	kPa	Static	13,1	8,2	19,0	18,7
Main exchanger thermal power	kW	Extra	1,55	2,71	3,71	4,71
Main exchanger water flow rate	l/h	Extra	204	364	498	639
Main exchanger pressure drops	kPa	Extra	13,5	8,1	16,8	16,9
Main exchanger thermal power	kW	Max	1,10	2,40	3,20	4,23
Main exchanger water flow rate	l/h	Max	151	311	463	580
Main exchanger pressure drops	kPa	Max	12,2	6,8	15,8	15,5
Main exchanger thermal power	kW	Med	0,90	1,50	2,40	3,40
Main exchanger water flow rate	l/h	Med	136	249	3,77	472
Main exchanger pressure drops	kPa	Med	6,9	5,7	14,7	12,1
Main exchanger thermal power	kW	Min	0,61	1,16	1,75	2,41
Main exchanger water flow rate	l/h	Min	77	168	292	365
Main exchanger pressure drops	kPa	Min	4,0	3,9	10,0	8,2
Main exchanger thermal power	kW	Static	0,22	0,25	0,3	0,38
Main exchanger water flow rate	l/h	Static	151	311	463	580
Main exchanger pressure drops	kPa	Static	12,2	6,8	15,8	15,5
Main exchanger ranks	n.		2	2	2	2
Battery connections			1/2"GF	1/2"GF	1/2"GF	1/2"GF
Water content	l		0,33	0,59	0,85	1,11
Motor absorption	W	Extra	20	22	24	27
	W	Max	12	13	14	17
	W	Med	5	6	7	10
	W	Min	3	4	5	8
	W	Static	0	0	0	0
Electrical resistance	W		50	50	100	100
	A		0,22	0,22	0,45	0,45
Electrical supply			230V/1/50Hz			

(*) Heating room temperature 20 °C Cooling room temperature 27 °C
(*) The declared values relate to the standard settings, therefore relating to 1500, 900 and 600 RPM.
It is always possible to modify the air flow rates by changing the settings of the dipswitches on the electronic board