

GAIA Aria
31 - 61

Direct connection to thermal solar panels

Domestic hot water 200 litres tank

Heat pump DC inverter - R410A

Preassembled thermal plant



GAIA Aria

GAIA is the high efficiency aircooled heat pump that contains all system components, including 200 litres water tank, suitable for the direct connection to the thermal solar panels. Due to its high efficiency, GAIA may be eligible for heat pump subsidies in your country. Please contact your tax office and utility.



GAIA Aria - MSER-XEE

Air Source Heat Pump

DFT0C001GB-03



PATENT PENDING

GAIA is also available in Water version (stratum or ground)

THE COMPLETE SYSTEM IN ONE UNIT FOR RENEWABLE ENERGY COMFORT:

It includes in one unit all system elements.

INTEGRATED SOLAR ENERGY RECOVERY SYSTEM FROM THERMAL COLLECTORS:

It produces free domestic hot water thanks to the energy obtained by the solar panel use.

INTEGRATED DOMESTIC HOT WATER PRODUCTION:

It includes in the unit a 200 litres tank.

SYSTEM WITH THE HIGHEST SEASONAL EFFICIENCY PRESENT ON THE MARKET:

It applies the DC inverter technology to compressor, fan, system circulator and sanitary recirculation circulator.

WATER PRODUCTION UP TO 60°C.

OPERATION WITH EXTERNAL AIR DOWN TO -22°C.



Eurovent Energy Efficiency Class



Refrig. R-410A



Internal Inst.



Harm Scroll



ELFOControl



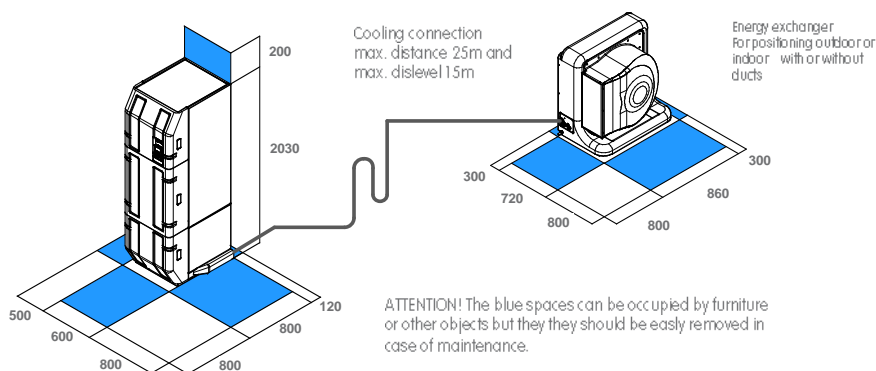
Full inverter DC

Technical Data

Size	31			61		
	Performance with RADIANT PANELS (1)	Performance with TERMINAL UNITS (2)	Performance with RADIATORS (3)	Performance with RADIANT PANELS (1)	Performance with TERMINAL UNITS (2)	Performance with RADIATORS (3)
HC/PI / COP @A+7°C (4)	kw/kw/- 7,28 / 1,58 / 4,51	6,79 / 1,93 / 3,47	6,36 / 2,29 / 2,77	16,3 / 3,63 / 4,41	15,2 / 4,52 / 3,30	14,5 / 5,35 / 2,70
HC/PI / COP @A+2°C (4)	6,22 / 1,59 / 3,86	5,80 / 1,94 / 2,97	5,43 / 2,30 / 2,36	12,5 / 3,32 / 3,67	11,7 / 4,14 / 2,75	11,1 / 4,90 / 2,16
HC/PI / COP @A-5°C (5)	7,15 / 2,20 / 3,20	6,76 / 2,64 / 2,54	6,27 / 2,95 / 2,13	13,1 / 4,50 / 2,83	12,4 / 5,41 / 2,24	12,0 / 6,58 / 1,78
CC/PI / EER @A+35°C (4)	8,16 / 2,11 / 3,80	5,83 / 1,91 / 3,01	-	17,7 / 4,93 / 3,65	13,3 / 4,61 / 2,92	-
ESEER Eurovent (6)	- 7,94	5,44	-	7,42	5,41	-
Pump available head (7)	kPa 62	63	64	28	34	62
Fan Max static pressure	Pa	90				
Min T. ext. air / Max T. water (heating)	°C	-22 / 60				
Min T. water / Max T. ext. air (cooling)	°C	5 / 53		3 / 54		
Sound pressure level at 10mt unit int./ext.	dB(A)	25 / 38			26 / 36	
Integrated tank capacity	l	200				
Solar exchanger capacity	W/K	3186				
Power supply	V/Ph/Hz	230/1/50		230/1/50 - 400/3/50		

Data referred to the following conditions:

- (1) Radiant Panels: Heating performance Water inlet 30°C and outlet 35°C and Cooling performance Water inlet 18°C and outlet 23°C according to EN14511.
- (2) Terminal Units: Heating performance Water inlet 30°C and outlet 35°C and Cooling performance Water inlet 18°C and outlet 23°C according to EN14511.
- (3) Radiators: Heating performance Water inlet 30°C and outlet 35°C and Cooling performance Water inlet 18°C and outlet 23°C according to EN14511.
- (4) Performances to compressor nominal speed.
- (5) Performances to compressor maximum speed.
- (6) ESEER calculated according to Eurovent, for produced water up to 18°C consider the partial load conditions defined by Eurovent for produced water up to 7°C.
- (7) Available head referred to the heating mode.



Sizes GAIA Aria		31	61
Length	mm	600	600
Width	mm	800	800
Height	mm	2030	2030
Weight in oper.	kg	430	460

Sizes Energy Exchanger		31	61
Length	mm	860	1250
Width	mm	720	788
Height	mm	845	1304
Weight in oper.	kg	58	105

Data are referred to standard units.

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