CAIROX tip R-AQUA-CGW-IU A1

- Cairox R-Aqua
- Aer/Apa
- 6, 10 si 16 kW

A+++
A++

A2W pompa de caldura monofazata, agent frigorific R32 tip CAIROX tip R-AQUA-CGW-IU A1

Pompa de caldura inverter aer/apa, cu agent frigorific R32. Datorita tehnologiei avansate a pompei de caldura, energia din aerul exterior este absorbita si transferata in apa pentru incalzirea si racirea locuintei precum si pentru incalzirea apei menajere.
Controlul inteligent al compresorului si a vanei de expansiune asigura un control precis si rapid al temperaturii apei, reducand astfel consumul de energie.

Utilizare

- Incalzirea caselor noi sau a celor existente
- Incalzire prin radiatoare, convectoare si a sistemelor de incalzire prin pardoseala sau perete
- Incalzirea apei menajere

Producator

- Cairox R-Aqua

Continut

- A+++ la 35°C temperatura apa
- Vana cu 3 cai
- Cablu de comuncare inclus
- Schimbator de caldura in placi de inalta eficiență
- Pompa de circulare Wilo
- Controler cu fir
- Vas de expansiune (10 litri)
- Supapa de siguranta (3 bar)
- Rezistenta electrica backup
- Senzor temperatura exterioara
- Senzor pentru masurarea presiunii apei

Agent frigorific

- R32

Specificatii

- Sistem tip split
- 1 aparat pentru incalzire si apa calda menajera
- Posibilitate folosire pentru racire
- Echipat standard cu WIFI
- Echipat standard cu interfata Modbus
- Incalzire asigurata in conditii de pana la -20°C temperatura exterioara
- Temperatura apei de pana la 60°C chiar si la temperaturi exterioare negative datorita compresorului patentat in doua trepte
- Instalare facila
- Certificare EUROVENT EN 14511 si EN 14825

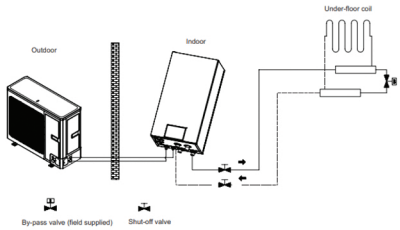
Unitati exterioare corespunzatoare

- Unitate exterioara, **Tip R-AQUA-CGW-OU A1**

Boiler compatibil

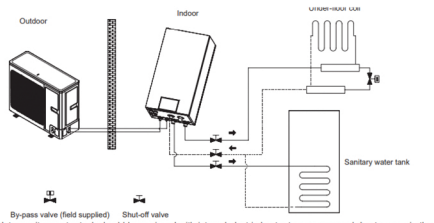
- Boiler apa calda 300 litri, **tip R-AQUA SANI 300**
- Boiler apa calda 500 litri, **tip R-AQUA SANI 500**

Case 1 : connecting under-floor Coil for Heating and Cooling



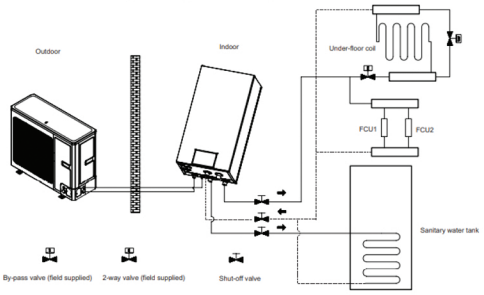
Note: the bypass valve must be installed to secure enough water flow rate, and should be installed at the ilector.

Case 2 : connecting Sanitary Water Tank and under floor coil



Note: sanitary water tank should be equipped with internal electric heater to secure enough heat energy in the ıry cold days.

Case 3 : connecting Sanitary Water Tank, under floor coil and FCU



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PIF

Punerea in functiune trebuie efectuata de catre un partener autorizat Cairox Romania

Pompe de caldură aer-apă

Date tehnice					
Indoor unit			R-AQUA-CGW-IU 06 A1	R-AQUA-CGW-IU 10 A1	R-AQUA-CGW-IU 16 A1
Corresponding outdoor unit			R-AQUA-CGW-OU 06 A1	R-AQUA-CGW-OU 10 A1	R-AQUA-CGW-OU 16 A1
Heating capacity A7/W35*		kW	6	9.5	15.5
COP A7/W35			5	4.59	4.5
Heating capacity A7/W45*		kW	5.9	9.5	16.09
COP A7/W45			3.91	3.6	3.6
Heating capacity A2/W35*		kW	5.1	8.1	13.13
COP A2/W35			4.26	3.85	3.74
Heating capacity A2/W45*		kW	5	8.1	13.13
COP A2/W45			3.44	3.17	3.13
Heating capacity A-7/W35*		kW	4.2	6.7	10.81
COP A-7/W35			3.05	2.81	2.74
Heating capacity A-7/W45*		kW	4.1	6.7	10.81
COP A-7/W45			2.42	2.23	2.21
Heating capacity A-10/W35*		kW	3.9	6.2	10.04
Heating capacity A-10/W45*		kW	3.8	6.2	10.04
Refrigerant (GWP)			R32 (675)		
Voltage		V / Ph / Hz	230/1/50		
Seasonal efficiency ηs heat pump (%)		(35°/55°C)	178,7 / 127,4	181/127	181,2/137
Annual consumption heat pump		kWh (35°/55°C)	2729/3169	4038/5091	5886/8045
Energy class		35°/55°C	A+++/A++		
Rated power (indoor unit only)		kW	3.1	6.1	
Refrigerant pipes (liquid - gas)		"	1/4 - 1/2		1/4 - 5/8
Hydraulic connections (supply - return)		"	1		
Outgoing water temperatures	Heating (fan coil)	°C	45		
	Heating (floor)	°C	35		
	Domestic hot water	°C	40 ~ 80		
Components	Pump – Type	-	water cooling		
	Pump – Number of steps	-	variable speed		
	Pump – Power (min-max)	W	2-75		3-87
	Pump – Flow rate (min)	l/h	720		
	Pump – Flow rate (nom)	l/h	1032	1634	
	Expansion vessel – Volume***	L	10		
	Expansion vessel – Pressure (max)	Bar	3		
	Expansion vessel – Pressure (pre)	Bar	1		
	Electrical heating – Type	-	dry		
	Electrical heating – Material	-	stainless steel		
	Electrical heating – Control	-	automatic		
	Electrical heating – Number of steps	-	2		
	Electrical heating – Capacity	kW	3	6	
	Electrical heating – Combination	kW	1,5 + 1,5	3 + 3	
	Heat exchanger – Type	-	plate heat exchanger		
	Heat exchanger – Number	-	1		
Sound pressure @ 1m		dB (A)	29		
Power cable section indoor unit		mm²	3G 2,5	3G 6	
Automatic fuse (slow)		A	20	32	
Dimensions	Unit (LxWxH)	mm	460 x 320 x 860		
	Weight	kg	62		

* Specifications and design can change without notice for further improvements

** Capacities measured according to EN14511 measurement method

*** The size of the expansion tank should be determined in relation to the total water content of the system