

**J.01**Pompe de
caldură aer-apă**CAIROX tip R-
AQUA-CGW-ID
A1**

- Cairox R-Aqua
- Aer/Apa
- 6 și 10 kw

A+++**A++**

A2W pompa de caldura monofazata, agent frigorific R32 si boiler incorporat tip CAIROX tip R-AQUA-CGW-ID 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.

Boilerul integrat (185L) este confectionat din otel emailat la interior pentru protectie anticoroziva. Anodul de magneziu va proteja impotriva uzurii

Utilizare

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

Prodicator

- Cairox R-Aqua

Continut

- A+++ la 35°C temperatura apa
- Vana cu 3 cai
- Cablu de comunicare inclus
- Schimbator de caldura in placi de inalta eficienta
- Pompa de circulare Wilo
- Boiler integrat (185 litri - corespunzator la 3-4 dusuri)
- Controler integrat
- Vas de expansiune (10 litri)
- Supapa de siguranta (3 bar)
- Rezistenta electrica backup
- Rezistenta electrica backup pentru apa menajera
- Senzor temperatura exterioara
- Senzor pentru masurarea presiunii apei

Agent frigorific

- R32

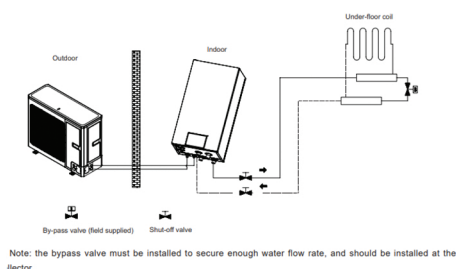
Specificatii

- 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

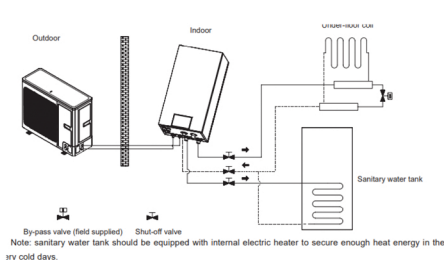
Unitati exterioare corespunzatoare

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

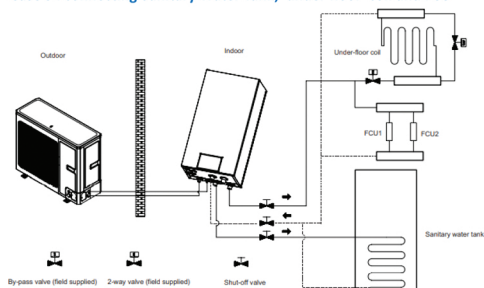
Case 1 : connecting under-floor Coil for Heating and Cooling



Case 2 : connecting Sanitary Water Tank and under floor coil



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



R-AQUA®

PIF

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

		Date tehniche			
Indoor unit				R-AQUA-CGW-ID 06 A1	R-AQUA-CGW-ID 10 A1
Corresponding outdoor unit				R-AQUA-CGW-OU 06 A1	R-AQUA-CGW-OU 10 A1
Heating capacity A7/W35*		kW		6.0	9.5
COP A7/W35				5.0	4.59
Heating capacity A7/W45*		kW		5.9	9.5
COP A7/W45				3.91	3.60
Heating capacity A2/W35*		kW		5.1	8.1
COP A2/W35				4.18	3.85
Heating capacity A2/W45*		kW		5.0	8.1
COP A2/W45				3.44	3.17
Heating capacity A-7/W35*		kW		4.2	6.7
COP A-7/W35				3.83	2.81
Heating capacity A-7/W45*		kW		4.1	6.7
COP A-7/W45				3.05	2.23
Heating capacity A-10/W35*		kW		3.9	6.2
Heating capacity A-10/W45*		kW		3.8	6.2
Refrigerant (GWP)				R32 (675)	R32 (675)
Voltage		V / Ph / Hz		230/1/50	
Seasonal efficiency η_s heat pump (%)		(35°/55°C)		178,7 / 127,4	181/127
Annual energy consumption heat pump		kWh (35°/55°C)		2729/3169	4038/5091
Energy class heat pump		(35°/55°C)		A+++/A++	A+++/A++
Seasonal efficiency η_s DHW (%)		(55°C)		101,3	88,9
Annual energy consumption DHW		kWh (55°C)		1011	1152
Energy class DHW				A	A
Rated power (indoor unit only)		kW		3.1	6.1
Refrigerant pipes (liquid - gas)		"		1/4 - 1/2	
Hydraulic connections (supply - return)		"		1	
Outgoing water temperatures		Heating (fan coil)	°C	45	
		Heating (floor)	°C	35	
		Domestic hot water	°C	40 – 80	
		Type	-	water cooling	
Components	Pump	Number of steps	-	variable speed	
		Power (min-max)	W	2-75	
		Flow rate (min)	l/h	720	
		Flow rate (nom)	l/h	1032	1634
	Expansion vessel	Volume***	L	10	
		Pressure (max)	Bar	3	
		Pressure (pre)	Bar	1	
		Type	-	dry	
	Electrical heating	Material	-	stainless steel	
		Control	-	automatic	
		Number of steps	-	2	
		Capacity	kW	3	6
	Heat exchanger	Combination	kW	1,5 + 1,5	3 + 3
		Type	-	plate heat exchanger	
		Number	-	1	
		Volume	L	185	
Water tank	Electrical resistance	kW	3		
	Type	-	XL		
			29		
Sound pressure @ 1m					
Power cable section back-up resistance		mm²		3G 2,5	3G 6
Power cable section indoor unit		mm²		3G 2,5	3G 6
Automatic fuse (slow)		A		20	32
Dimensions	Unit (LxWxH)	mm	600 x 600 x 1750		
	Weight	kg	210		
* 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					

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