

**J.01**Pompe de
caldură aer-apă**CAIROX tip R-
AQUA-CGW-IU
M1**— Cairox R-Aqua
— Aer/Apa
— 16kW**A+++****A++****A2W pompa de caldura trifazata,
agent frigorific R32 tip
CAIROX tip R-AQUA-CGW-IU M1**

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 comunicare inclus
- Schimbator de caldura in placi de inalta eficienta
- 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
- Alimentare: 400V/3PH+N
- 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

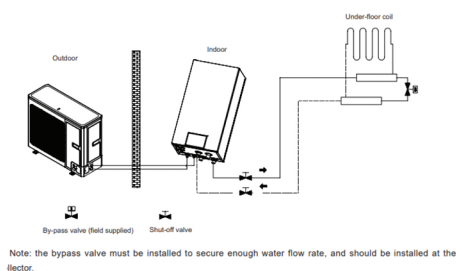
Unitati exterioare corespunzatoare

- Unitate exterioara, **Tip R-AQUA-CGW-OU M1**

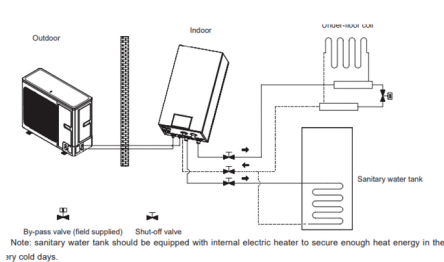
Boiler compatibil

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

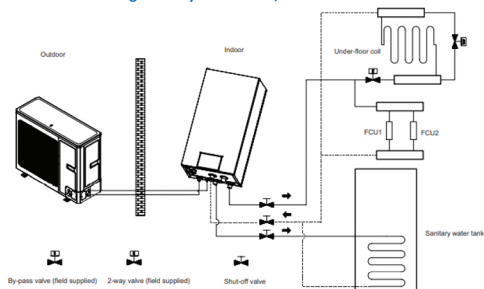
Case 1 : connecting under-floor Coil for Heating and Cooling



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-IU 16 M1
Corresponding outdoor unit			R-AQUA-CGW-OU 16 M1
Heating capacity A7/W35*		kW	15.54
COP A7/W35			4.82
Heating capacity A7/W45*		kW	16.13
COP A7/W45			3.88
Heating capacity A2/W35*		kW	13.16
COP A2/W35			4.01
Heating capacity A2/W45*		kW	13.16
COP A2/W45			3.36
Heating capacity A-7/W35*		kW	10.84
COP A-7/W35			2.94
Heating capacity A-7/W45*		kW	10.84
COP A-7/W45			2.37
Heating capacity A-10/W35*		kW	10.07
Heating capacity A-10/W45*		kW	10.07
Refrigerant (GWP)			R32 (675)
Voltage		V / Ph / Hz	400/3/50
Seasonal efficiency η_s heat pump (%)		(35°/55°C)	175/132
Annual consumption heat pump		kWh	6027/7958
Energy class		(35°/55°C)	A+++/A++
Rated power (indoor unit only)		kW	6.1
Refrigerant pipes (liquid - gas)		"	1/4 - 5/8
Hydraulic connections (supply - return)		"	1
Outgoing water temperatures		Heating (fan coil)	°C
		Heating (floor)	°C
		Domestic hot water	°C
Components	Pump	Type	-
		Number of steps	-
		Power (min-max)	W
		Flow rate (min)	l/h
		Flow rate (nom)	l/h
	Expansion vessel	Volume***	L
		Pressure (max)	Bar
		Pressure (pre)	Bar
		Type	-
	Electrical heating	Material	-
		Control	-
		Number of steps	-
		Capacity	kW
	Heat exchanger	Combination	kW
		Type	-
		Number	-
Sound pressure @ 1m		dB (A)	
Power cable section indoor unit		mm²	
Automatic fuse (slow)		A	
Dimensions	Unit (LxWxH)	mm	
	Weight	kg	
* 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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