



A2W inverter outdoor units R32 3ph type CGW-OU M1

Outdoor unit for air/water heat pump with refrigerant R32 and a DC inverter controlled compressor, to be used only in combination with a hydromodule type **CGW-IU M1** or **CGW-ID M1**. The DC rotary compressor guarantees an economical, quiet operation and a long service life.

This outdoor unit is only sold as a set in combination with the indoor unit **CGW-IU M1** or **CGW-ID M1**.

CGW-IU M1: 12, 14 and 16 kW

CGW-ID M1: 12, 14 and 16 kW

Brand

- R-AQUA

Composition

- Integrated outside temperature sensor
- DC inverter-controlled two-stage compressor with gas injection
- DC fan motor
- Gold Fin condenser

Refrigerant

- R32

Specifications

- Split system
- Robust and compact
- Easy installation
- Valve protection
- Operating range in cooling at outdoor temperatures from +10°C to +48°C
- Operating range in heating at outdoor temperatures from -25°C to +35°C

Accessories

- Anti-vibration mounting blocks, type **MPRH**
- Insulated copper pipes, type **P-COIL**
- Wall support in metal, type **WBA**
- Wall support in stainless steel, type **WBI**

Applicable indoor units

- Hydromodule, type **CGW-IU M1**
- Hydromodule with integrated water heater, type **CGW-ID M1**

Startup

- Start-up by CAIROX BELGIUM strongly recommended.**

Technical specifications		Technical data		
		CGW-OU 12 M1	CGW-OU 14 M1	CGW-OU 16 M1
Refrigerant (GWP)		R32 (675)	R32 (675)	R32 (675)
Maximum air flow rate	m ³ /h	5014	5014	5014
Power supply	V / Ph / Hz	400/3/50	400/3/50	400/3/50
Rated current (H/C)	A	7,0/9,2	8,0/11,5	8,5/11,5
Compressor power input	kW	3,25	3,25	3,25
Compressor type		Inverter rotary	Inverter rotary	Inverter rotary
Sound power level*	dB	68	68	68
Sound pressure level @ 1m*	dB(A)	57	58	58
Sound pressure level @ 5m**	dB(A)	46	46	46
Dimensions (LxDxH)	mm	940x460x820	940x460x820	940x460x820
Weight	kg	110	110	110
Refrigerant pipes (liquid - gas)	inch	1/4 - 5/8	1/4 - 5/8	1/4 - 5/8
Amount of prefilled refrigerant	g (CO2eq-T)	1840 (1,242)	1840 (1,242)	1840 (1,242)
Extra amount of refrigerant per meter	g/m	16	16	16
Number of prefilled meters	m	10	10	10
Maximum length/height of refrigerant pipes	m/m	25/15	25/15	25/15
Minimum length of refrigerant pipes	m	5	5	5
Operating temperature in cooling	°C	+10 ~ +48	+10 ~ +48	+10 ~ +48
Operating temperature in heating	°C	-25 ~ +35	-25 ~ +35	-25 ~ +35
Operating temperature DHW	°C	-25 ~ +45	-25 ~ +45	-25 ~ +45
Power supply cable section	mm ²	5G2,5	5G2,5	5G2,5
Automatic fuse (slow)	A	16	16	16

Specifications and design can be modified for further improvement without prior notice

* Measured according to EN12102

** Lp measured at 5m in free field (Q=2)