

COMMERCIAL SERIES : MINICHILLERS

C-MGCV - MINICHILLERS

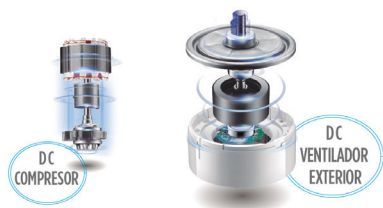
Features



Main Features

Inverter Technology

The Coolwell C-MGCV minichillers are made with DC Inverter technology with Twin Rotary Inverter compressor and DC fans.



Built-in Hydraulic Kit

The Coolwell C-MGCV minichillers incorporate the hydraulic kit inside, it saves both space and installation costs. This kit consists of the following components:

- High performance pump;
- Expansion tank;
- Differential pressure switch.

Besides that the machine comes with:

- Plate heat exchanger;
- Water pressure meter.

High Efficiency And Little Space

The Coolwell C-MGCV equipment has high performance coefficients both in cooling and in heating pump, and can be installed in very small places.



Built-In Eliwell Control

The Coolwell C-MGCV minichillers are made with Eliwell control that allows easy control of operating parameters such as:

- Operating mode;
- Working temperature;
- Defrost control;
- Auto diagnosis; etc.

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Out door unit code			C-MGCV7K	C-MGCV10K	C-MGCV12K
Power supply		F-V-Hz	Monophase 220-240V 50Hz		
Refrigeration	Capacity (1)	KW	7	10	11.2
	Input power (1)	KW	2.26	3.03	3.5
	SEER (1)		3.76	3.89	4.09
	Capacity (2)	KW	8	10.6	12.2
	Input power (2)	KW	1.8	2.3	2.65
	EER (2)		4.32	4.24	4.6
Heating	Capacity (3)	KW	8	11	12.3
	Input power (3)	KW	2.54	3.24	3.78
	COP (3)		3.15	3.4	3.25
	Capacity (4)	KW	8.6	11.5	13
	Input power (4)	KW	2.10	2.65	2.92
	SCOP (4)		3.46	3.34	3.46
Unit	Dimensions (L-P-A)	mm	990 x 354 x 966	970x 400 x 1327	970x 400 x 1327
	Net weight / with packaging	Kg	81 / 91	110 / 121	110 / 121
	Dimensions with packaging (L-P-A)	mm	1120 x 435 x 1100	1082 x 435 x 1456	1082 x 435 x 1456
	Air flow (Max)	m ³ /h	5100	7000	7000
	Fan type		Brushless DC motor		
	Compressor type		Twin Rotary Inverter		
	Sound pressure (Max)	dB(A)	58	59	59
Water connect.	Inches	"	1"	1 - 1/4 "	1 - 1/4 "
Refrigerant gas	Refrigerant type		R410A	R410A	R410A
	Refrigerant charge	Kg	2.5	2.8	2.8

Outdoor unit code			C-MGCV12T	C-MGCV14T	C-MGCV16T
Power supply		F-V-Hz	Three phase 380-415V 50Hz		
Refrigeration	Capacity (1)	KW	11.2	12.5	14.5
	Input power (1)	KW	3.38	3.91	4.68
	SEER (1)		4.16	4.27	4.38
	Capacity (2)	KW	12.2	14.2	15.6
	Input power (2)	KW	2.6	3.1	3.6
	EER (2)		4.7	4.58	4.33
Heating	Capacity (3)	KW	12.3	13.8	16
	Input power (3)	KW	3.72	4.25	4.85
	COP (3)		3.31	3.25	3.3
	Capacity (4)	KW	13	15.1	16.5
	Input power (4)	KW	2.85	3.35	3.92
	SCOP (4)		3.66	3.78	3.39
Unit	Dimensions (L-P-A)	mm	970x 400 x 1327	970x 400 x 1327	970x 400 x 1327
	Net weight / with packaging	Kg	110 / 121	111 / 122	111 / 122
	Dimensions with packaging (L-P-A)	mm	1082 x 435 x 1456	1082 x 435 x 1456	1082 x 435 x 1456
	Air flow (Max)	m ³ /h	7000	7000	7000
	Fan type		Brushless DC motor		
	Compressor type		Twin Rotatory Inverter		
	Sound pressure (Max)	dB(A)	62	62	62
Water connect.	Inches	"	1 - 1/4 "	1 - 1/4 "	1 - 1/4 "
Refrigerant gas	Refrigerant type		R410A	R410A	R410A
	Refrigerant charge	Kg	2.8	2.9	3.2
Operating limits	Outdoor temperature (Min / Max)	Refrig. °C	-5 / 46	-5 / 46	-5 / 46
		Heat. °C	-15 / 27	-15 / 27	-15 / 27

1.- Outdoor air temperature: 35 °C DB; Water inlet: 23 °C, Water outlet: 18 °C.

2.- Outdoor air temperature: 35 °C DB; Water inlet: 12 °C, Water outlet: 7 °C.

3.- Outdoor air temperature: 7 °C DB; 85% RH; Water inlet: 40 °C, Water outlet: 45 °C

4.- Outdoor air temperature: 7 °C DB; 85% RH; Water inlet: 30 °C, Water outlet: 35 °C.