

# MICS-C 0072÷0122



## Air-cooled chillers with centrifugal fans 18,2 - 31,8 kW

### Unit Description

MICS-C is the Climaveneta range of air-cooled liquid chillers with gas R410A. They are fitted with hermetic Scroll compressors and Full Floating technology. The latter is an intelligent electronic unit providing the perfect answer to residential market requirements: compactness, ease of installation and quietness.

### Versions

MICS-C FF Indoor liquid chiller with full floating technology and built-in hydronic kit

### Features

Structure and base in hot-dip galvanised steel with epoxy powder paint finish.

High-efficiency plate exchangers in AISI 316 stainless steel with low pressure loss, fitted with heating element for frost protection.

External access to control with anti-tamper device.

Finned coils made with copper pipes and aluminium fins with large exchange surface area, tested for leaks with dried air at 30 bar.

User interface with display.

Electronic expansion valve

Available water pipe fittings in case of installation under appliance

The circuit includes:

- Multistage centrifugal pump
- Air vent valve.
- Differential pressure switch.
- Expansion tank.
- Safety valve.
- Pressure gauge.
- Drain valve

### Main accessories

- Rubber anti-vibration mounting kit
- Removable metal mesh water filter kit
- Coil protection grids
- Remote control kit

### Commands

#### Full Floating technology

The new generation electronic controller allows to manage the chiller by using the Full Floating technology, designed by Climaveneta for improving the system's efficiency for the fans (Floating Fans), for the circulating pump (Floating Flow) and finally for the working temperature (Floating Setpoint). This also allows to achieve all the following benefits: improvement of efficiency in both standard and extreme conditions, much lower operating noise in part load conditions, lower installation time, lower time for system set-up, broader operating limits, faster transient after defrosts.

**NEW!**

**FULL AAV  
FLOATING**



## MICS-C FF

Models		0072	0092	0122
<b>COOLING ONLY MODEL</b>				
Nominal Cooling capacity(1)	kW	18,2	23	31,8
Total absorbed power(1)	kW	6,50	9,31	10,7
EER		2,80	2,47	2,97
ESEER		4,05	3,93	3,98
Absorbed current	A	16,1	19,8	27,3
Nominal water flow	m3/h	3,10	4	5,50
Operational weight	kg	330	350	450
No. fans	Nr/No.	1	1	2
N° Compressors	n	2	2	2
Airflow	m3/h	9000	9000	18000
Compressor type		SCROLL	SCROLL	SCROLL
Hydraulic connections	inches	1"1/4	1"1/4	1"1/4
Refrigerant		R410A	R410A	R410A
Sound pressure level(2)	db(A)	74	74	77
Sound power	db(A)	86	86	89
Electrical power supply	V-Ph-Hz	400V-3N~50Hz	400V-3N~50Hz	400V-3N~50Hz
<b>DIMENSION</b>				
L	(mm)	1040	1040	1630
H	(mm)	2000	2000	2000
P	(mm)	790	790	790

The data refer to

1 Evaporator water (in/out) 12/7°C, condenser air (in) 35°C, based on Eurovent standard

2 Noise level measured at 1 m in open field conditions

Dimension

