

# PROFROID

Proven Solutions.  
**Cooling | Heating**  
Sustainable. Efficient.

## QuietCO<sub>2</sub>LMC EVO



The new CO<sub>2</sub> concept for  
commercial cooling, freezing,  
air conditioning and heating.



AC / MT and LT  
chiller



Stackable unit /  
reduced foot print



80 bar stand  
still pressure



Pure LT applications



Fully servicable  
from 2 sides



Simple / intuitive touch  
screen / PLC controlled



Pure heat pump  
application up to 90°C



High efficiency



Connect to BMS, smartphone,  
web server, and more



2 levels of heat  
in one unit



Semi flooded mode



**10–130 kW** AC cooling capacity



**10–100 kW** MT cooling capacity



**10–70 kW** LT cooling capacity



**40–150 kW** heating capacity

Brochures  
available  
here:



The innovation continues at [www.profroid.com](http://www.profroid.com)

# QuietCO<sub>2</sub>OL MC EVO

The QuietCO<sub>2</sub>OL™ MC EVO range gathers multiple compressors / heat exchanger configurations and options to best suit your needs.

Configurations	2+0	3+0	2+1	2+2	3+2	3+3
AC cooling capacity (kW) 12/7°C				10-130		
MT cooling capacity (kW) -6°C				10-100		
LT cooling capacity (kW) -32	-	-			5-64	
Heating capacity (kW) 30-60°C				15-165		
Width (mm)				800		
Length (mm)				1,800		
Height (mm)	1,200	1,200	1,200+600	1,200+600	1,200+600	1,200+600
Recip. Compressor #	2	3	3	4	5	6

Indicative value: Capacity will vary according to water temperatures of your project

## Heat pump performance

Performances are varying depending on heat source / heat sink temperatures and unit size. Indicative COP hot side below:

		COP Heat sink				
		20 / 65 °C	25 / 45 °C	30 / 45 °C	30 / 70 °C	45 / 55 °C
Heat source	6 / 12 °C	4.7	5.1	4.4	3.9	2.7
	0 / 4 °C	4.2	4.4	3.9	3.7	2.6
	-8 / -4 °C	3.5	3.4	3.1	3.0	2.2
	-25 / -20 °C	2.5	2.3	2.1	2.1	1.7

Hydraulic module not considered

## Main options:

- Indoor sound proofing for all versions
- Hydraulic pumps control
- Modbus RS485/RTU, TCP communication
- Electrical energy measurement for compressor
- Electrical energy measurement for pumps
- Inverter drive on compressor N°2
- Smart control for several units in parallel
- Other options on request

## Proven Solutions. Cooling | Heating Sustainable. Efficient.

**PowerCOOL L**  
Industrial heat pumps and processes, large warehouses

**PowerCOOL S/M**  
Warehouses, food processes, heat pumps

**MaxiCOOL**  
Hypermarkets  
Supermarkets

**MiniCOOL**  
Small stores, extensions

**QuietCOOL MC**  
Convenience stores, commercial heat pumps

**CO<sub>2</sub> NATURAL REFRIGERANT**

All applications

All climates

from 1 kW to 2.2 MW

More than **20 000** units produced

