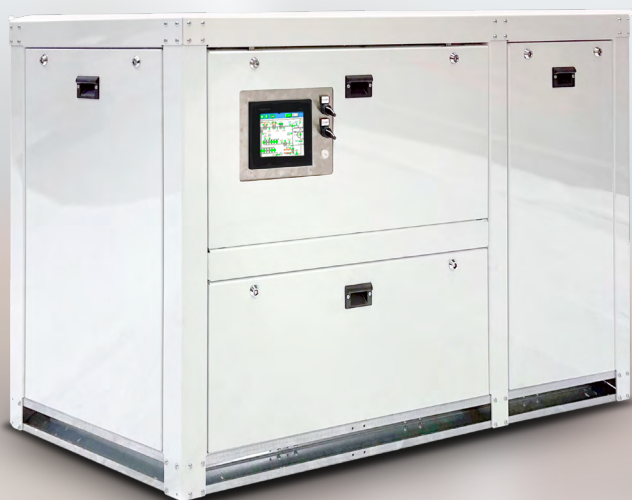


PROFROID

Proven Solutions. Cooling | Heating Sustainable. Efficient.

QuietCO₂MC EVO

The new CO₂ concept for
industrial 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

Brochures
available
here:



10–130 kW AC cooling capacity



10–100 kW MT cooling capacity



10–70 kW LT cooling capacity



40–150 kW heating capacity

QuietCO₂OLTM MC EVO

The QuietCO₂OLTM 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

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