



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

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

Indoor and outdoor CO<sub>2</sub> transcritical  
refrigeration system for convenience stores  
and small supermarkets



**New:**

- Bitzer compressors with IQ-module
- Bitzer CRII wide capacity range (100% down to 3%)
- 130 bar high pressure design



CO<sub>2</sub> natural  
refrigerant GWP=1  
PFAS FREE



Large receiver size  
(34 l–110 l)



Fully serviceable  
from the front



Low sound level



80 bar service pressure



Optimized  
footprint



CRII wide capacity range  
100% down to 3%



130 bar  
high pressure design



Heat reclaim for  
heating or sanitary  
hot water

Documentation  
available here:



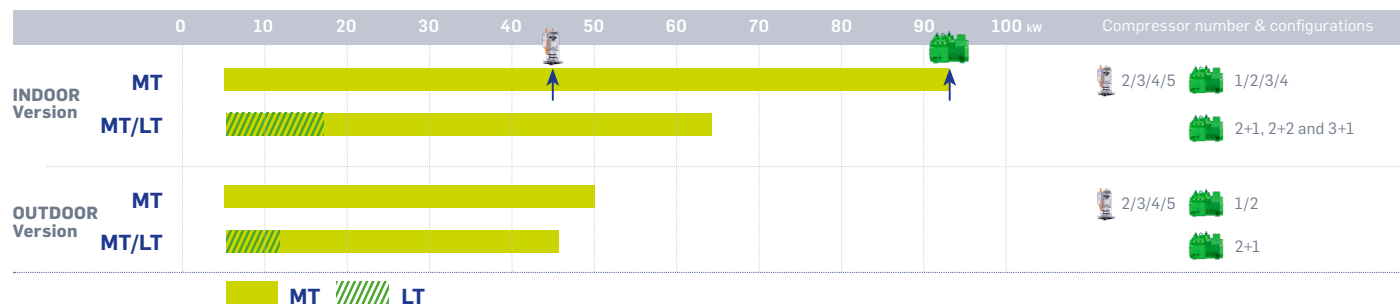
**2–93 kW MT** cooling capacity



**5–17 kW LT** cooling capacity

# QuietCOOL MC

The QuietCO<sub>2</sub>OL MC range is very versatile to best suits your needs, combining indoor/outdoor version, hermetic/semi hermetic compressors, MT or MT/LT configuration combined with various options



Options	Rotary MT	SH MT	SH MT/LT
Standard controls	Schneider	Danfoss	Danfoss
Carel or Eckelmann control		X	X
Serial communication interface (compatible with the main monitoring systems)	X		
Suction line strainer	X	X	X
Heat recovery (can have an impact on the length of some models)	X	X	X
Gas cooler bypass (Indoor only)		X	X
Additional consumers protections	X	X	X
Rain protection for electrical components (Outdoor only)	X	X	X
Shut-off valve suction line	X	X	X
Coil coating	X	X	X
Inverter for 1 <sup>st</sup> MT compressor (SH - semi hermetic) / for all MT compressors (Rotary)	Standard	Standard	Standard
Change Inverter 1 <sup>st</sup> MT compr. -> Bitzer CR11 wide capacity range (100% down to 3%)		X	X
Inverter for 1 <sup>st</sup> LT compressor			X
Change of service pressure: PS 120bar -> PS 130bar* (for high ambient temp)		X	X
Modulating valve for A/C loop (6kW max)	X		
Change of service pressure: PS 80/80/120bar -> PS 60/60/120bar	X	X	X
Safety kit (controller+sensors as spare part - delivered separately)	X	X	X
Water heat exchanger (gascooler relief/subcooling before HP-valve - Indoor only)	X	X	X
Indoor receiver size upgrade: BV50 (in standard) -> BV90; BV90 (in standard) -> BV110		X	X

\* available for outdoor units in 2025

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



Carrier reserves the right to change certain information and specifications contained in this document at any time and without prior notice. Since standards, specifications and designs are subject to occasional change, please ask for confirmation of the information given in this publication

[www.carrier-refrigeration.com](http://www.carrier-refrigeration.com)

