



United Technologies

MiniCOOL₂

Integrated CO₂ refrigeration systems
for small to medium sized stores



MT Cooling Capacity 50 – 82 kW
LT Cooling Capacity 2,5 – 11 kW
Heating Capacity 46 – 80kW
Cooling Capacity (proportional to MT cooling)

CO₂ systems for integrated refrigeration, space heating and cooling

The Carrier **MiniCO₂OL**[®] integrated system range offers an advanced approach for a single central rack combining refrigeration, space heating and cooling. Innovative **CO₂OLtec**[®] design combined with an optimised waste heat recovery process results in high levels of operational efficiency. As a result, store operators can generate energy cost savings up to 35%* whilst cutting their carbon footprint by half*.



Integrated CO₂ refrigeration system

Product features

- Combined medium temperature (MT) and low temperature (LT) multi-compressor CO₂ racks, utilising proven CO₂OLtec technology
- Indoor and outdoor installation
- Incorporated control panel with LDS Eckelmann controller for total thermal energy control
- Unit independently controls the entire thermal energy supply for refrigeration (CO₂), space heating and cooling (water or brine)
- Building management controller is fully integrated to control and monitor room temperatures, central ventilation system and lighting

Customer Benefits

- Built-in gas cooler & hydraulic module result in a compact and proven design for fast & easy installation
- Avoids use of fossil fuels for heating
- Up to 35 percent energy cost savings*
- Up to 58 percent reduction in greenhouse gas emissions*

* In comparison to a standard R404A refrigeration and gas boiler heating system

Low temperature	
Designation	Cooling Capacity (kW)*
BCM 150-3010	3
BCM 150-3020	4
BCM 250-3010	5
BCM 250-3AB0	7
BCM 250-3020	9
BCM 250-3AD0	9

* Evaporating temp. at rack = -35°C
Without optional LT VSD

Medium temperature	
Designation	Cooling Capacity (kW)
CCP 355-3290	50
CCP 355-3AB0	57
CCP 355-3BA0	63
CCP 355-3310	75
CCP 355-3360	82

** Evaporating temp. at rack = -8°C
Ambient temperature = 32°C



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