

PRIMA 008cu/BLDC

CO₂ - Propane



Advantages

- Full-Natural refrigerant solution
 - CO₂ subcritical for low side
 - R290 for high side
- Extremely high-efficiency BLDC compressors technology
 - CO₂ DC ROTARY
 - R290 inverter SCROLL
- EcoDesign 2018 ready



The energy-efficient and full-natural solution for Convenience Stores

EFFICIENCY

PRIMA 008cu/BLDC offers a real modulation of cooling capacity, so as to achieve low energy consumption at part loads. The unit both complies with the **Eco-design directive** on energy performance and exceeds the limits set by the **F-Gas Regulation** for condensing unit applications.

CAPACITY CONTROL

The advanced control system has got a real-time communication with the refrigeration units, allowing implementation of innovative optimisation logic, with dynamic set points and extremely stable control so as to ensure perfect food preservation and reduce food waste; **essential for the commercial refrigeration.**

SAFETY

R290 components are positioned into a ventilated enclosure area and completely isolated from the electrical panel. The ATEX fan is activated by 2 (1+1) propane detectors.



LATEST-TECHNOLOGY now available for LT CO₂ systems



Highest efficiency

- DC inverter compressors for CO₂ and Propane natural refrigerants
- Wide and real capacity modulation to maximize the efficiency at partial load
- Self-optimization through real communication with internal units

Innovation

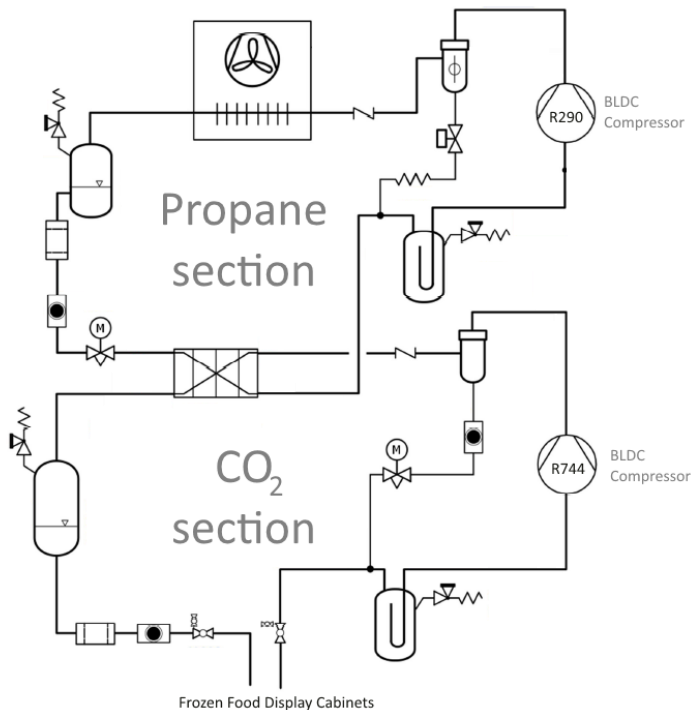
- System solution in a compact equipment fully integrated
- Intuitive programming and fast commissioning procedure
- Compact dimensions and weight, strong Total Cost of Ownership reduction

NO food waste

- Optimum envelope compressor management with a complete qualification process
- No down-time for oil return issue with advanced software feature and proper multi-split installation
- Stable product temperature thanks to modulating device and floating set-point

Always connected

- Total connection with tERA system both GSM and Ethernet from all the devices
- Unit monitoring, settings management and periodical report for each plant
- Systems comparison and business intelligence tools within all units connected



PRIMA 008cu/BLDC CO₂ – Propane condensing unit

Technical data

Unit performance		(1) T. amb. 15°C	(2) T. amb. 40°C
Cooling capacity – Low Temperature	[kW]	7,4	7,4
COP	-	1,82	1,22
R744 side	[-]	Ps HP 90 bar	
	[-]	Ps LP 60 bar	
R290 side	[-]	Ps HP 29 bar	
	[-]	Ps LP 17 bar	
Dimension and weights			
Length (L)	[mm]	1135	
Height (H)	[mm]	2080	
Depth (P)	[mm]	885	
Shipment weight	[Kg]	450	

REFERENCE CONDITIONS

(1) T. amb. 15°C
 R744: T. evap = -28°C – 100 rps
 SH = 10K
 R290: T. cond = +28°C – 81,5 rps

(2) T. amb 40°C
 R744: T. evap = -28°C – 100 rps
 SH = 10K
 R290: T. cond = +53°C – 108 rps