

NOVA

COMPACT COMPRESSOR RACKS

A compact compressor rack that takes up very little space and can be used in a wide variety of solutions, with a minimal environmental footprint, both in CO2 and HFC. An economical, reliable and efficient solution.

COOLING CAPACITY: 3 to 40 KW (HFC) / 7 to 38 KW (CO2)

APPLICATION: 250 to 500 M2 (HFC / CO2)

- » CONVENIENCE STORES.
- » SUPERMARKETS.
- » SPECIALIZED FOOD STORES.
- » FAST FOOD STORES.
- » REFRIGERATED ROOMS.
- » HOSPITALITY INDUSTRY.

- ✓ Energy savings 10/15%
- ✓ CO2 / HFC for 1 or 2 temperatures.
- ✓ Low refrigerant load.
- ✓ Reduced footprint.
- ✓ Speed of delivery and performance.
- ✓ Easy access and maintenance.
- ✓ Axial or Radial Fans.
- ✓ Lower air flow.



STANDARD EQUIPMENT

- Double V battery.
- Up to 3 compressors.
- Control of compressors and condensation, with electronic control unit.
- Floating condensation control. Switchboard.
- 5 mm diameter tubes.

CO2 DESIGN PRESSURES

- MP (Suction MT): 52 bar.
- LP (Suction LT): 30 bar.
- IP (Receiver & liquid line): 70 bar.
- HP (Discharge): 120 bar.

CO2 MODELS

- VF on the first compressor of each group.
- Gas cooler with EC fans and maximum pressure of 120 bar.
- Works as booster.

HFC MODELS

- Hermetic compressors and scroll compressors
- Optional: Proportional compressor

AVAILABLE OPTIONS

- Optional: Proportional compressor (HFC).
- Optional: up to 1 exchanger (RHX or IHX) in CO2.



HFC MODELS	COOLING CAPACITY		
	R134A-MT	R449A-MT	R449A-LT
NV42	8 ... 25 kW	8 ... 20 kW	5 ... 18 kW
NV58	18 ... 33 kW	15 ... 38 kW	7 ... 18 kW

* Calculation conditions: T_{ev} MT -10 °C, T_{ev} LT -35 °C, T_{ext} +32 °C.

NOVA 42 CO2	APPLICATION		
	MT	MT + LT	
cooling capacity kW	12 kW	12 + 4 kW	18 + 4 kW
number of compressors	1	1 + 1	1 + 1
inverter compressors	1	1 + 0	1 + 0
extra equipment	RHX	RHX	RHX
recovery (max)	13 kW	13 kW	13 kW

NOVA 58 CO2	APPLICATION			
	MT		MT + LT	
cooling capacity kW	32 kW	36 kW	28 + 4 kW	32 + 4 kW
number of compressors	1	2	1 + 1	2 + 1
inverter compressors	1	1	1 + 0	1 + 0
extra equipment	RHX	RHX	RHX	RHX
recovery (max)	23 kW	25 kW	23 kW	25 kW

* Calculation conditions: T_{ev} MT -8 °C, T_{ev} LT -32 °C, T_{sgc} +35 °C.

DIMENSIONS

