

NS21

CO2 MINI COMPACT RACK

Transcritical CO2 mini compact rack: high capacity in a small footprint. Its 360° accessible design facilitates and reduces maintenance costs and requirements. NS21 is the ideal solution for small and medium supermarkets.

COOLING CAPACITY: 12 TO 40 KW (HFC) / 18 TO 45 KW (CO2)

APPLICATION: 300 TO 500 M2 (HFC) / 200 TO 600 M2 (CO2)

- ✓ Profitability and energy savings.
- ✓ For freezing and/or cooling applications (booster).
- ✓ Compact design.
- ✓ Small footprint.
- ✓ Fast delivery and high standard performance.
- ✓ Easy access and maintainance.
- ✓ Low noise level, quite operation.

- » FOOD RETAIL (CONVENIENCE STORES).
- » RETAIL AND GAS STATIONS.
- » HOSPITALITY INDUSTRY.
- » SMALL SUPERMARKETS.
- » REFRIGERATED ROOMS.



STANDARD EQUIPMENT

- Up to 2 compressors: 1 MT and 1 LT.
- Frequency inverter MT.
- Cuadro eléctrico completo.
- Two refrigerant level electronic sensors (high and low level)..
- Oil separator accumulator.
- 48l liquid receiver, with internal exchanger for connection to the emergency unit

OPTIONS

- Frequency inverter LT.
- Outdoor chassis.
- Connection to an external RHX.

CONTROLLERS

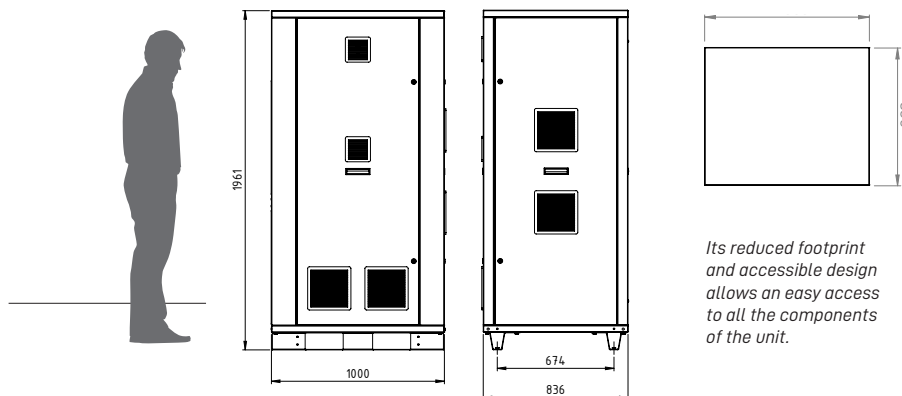
- Tewis (EWCM9000pro)
- Danfoss (AK-PC772)
- Carel (pRack PR300T Medium)

DESIGN PRESSURES

- MP (MT suction): 52 bar.
- LP (LT suction): 30 bar.
- IP (reciever and liiquid line): 70 bar.
- HP (Discharge): 120 bar.

COMPRESSORS

- BITZER.
- DORIN



Its reduced footprint and accessible design allows an easy access to all the components of the unit.



BITZER							
BASE CODE	APPLICATION	CAPAC. KW MT*	CAPAC. KW LT*	GC NEEDED KW	COMPRESSORS MT	COMPRESSORS LT	LP DB(A)**
GNS21JC302XBX	MT	18,17	—	32,08	1x 2MTE-5K + 1x 2KTE-7K	—	38,7
GNS21JC872YBX	MT	22,63	—	39,96	1x 4PTC-7K + 1x 4MTC-7K	—	46,7
GNS21JC882YBX	MT	35,15	—	62,08	1x 4MTC-10K + 1x 4KTC-10K	—	47,3
TNS21JC304XBX	MT+LT	14,24	3,90	32,08	1x 2MTE-5K + 1x 2KTE-7K	1x 2MSL-07K	39,4
TNS21JC881YBX	MT+LT	31,88	3,23	62,08	1x 4MTC-10K + 1x 4KTC-10K	1x 2NSL-05K	47,4
TNS21JC880YBX	MT+LT	31,22	3,90	62,08	1x 4MTC-10K + 1x 4KTC-10K	1x 2MSL-07K	47,4

DORIN							
GNS21JC677XDX	MT	25,58	—	45,17	1x CD475-4,7H + 1x CD475-6,4M	—	39,6
GNS21JC684XDX	MT	36,35	—	64,18	1x CD490-6,4H + 1x CD490-9,2M	—	41,2
GNS21JC750XDX	MT	44,71	—	78,95	1x CD4120-9,2H + 1x CD490-9,2M	—	42,1
TNS21JC670XDX	MT+LT	21,07	4,37	45,17	1x CD475-4,7H + 1x CD475-6,4M	1x CDS101B	39,7
TNS21JC679XDX	MT+LT	27,93	8,15	64,18	1x CD490-6,4H + 1x CD490-9,2M	1x CDS181B	41,3
TNS21JC678XDX	MT+LT	30,33	5,83	64,18	1x CD490-6,4H + 1x CD490-9,2M	1x CDS151B	41,3
TNS21JC658XDX	MT+LT	31,83	4,37	64,18	1x CD490-6,4H + 1x CD490-9,2M	1x CDS101B	41,3
TNS21JC753XDX	MT+LT	34,05	10,30	78,95	1x CD4120-9,2H + 1x CD490-9,2M	1x CDS301B	42,2
TNS21JC659XDX	MT+LT	40,19	4,37	78,95	1x CD4120-9,2H + 1x CD490-9,2M	1x CDS101B	42,1

* Calculation conditions: T_{ev} MT -8°C, T_{ev} LT -32°C, T_{sgc} +35°C. ** Sound pressure at 10m, considering a spherical surface, in open ground and with soundproofing. Tolerance ±2 dB.



GNV58



GNV66



GNV58



GNV66

CODE	CAPACITY* [KW]	AIR FLOW [M3/H]	SOUND PRESSURE 10M 10M [DB(A)]	Nº. FANS
GNV58PE	58,84	16.400	52	2x Ø500 EC
GNV58PE LPS	52,15	12.800	46	2x Ø500 EC
GNV66PE	88,40	24.000	53	3x Ø500 EC
GNV66PE LPS	79,27	19.200	45	3x Ø500 EC

CODE	CAPACITY* [KW]	AIR FLOW [M3/H]	SOUND PRESSURE 10M [DB(A)]	Nº. FANS
GNV58NE	56,28	15.000	49	2x Ø500 EC
GNV66NE	85,61	22.500	50	3x Ø500 EC

* Calculation conditions: Air T. 35°C, GC outlet 37°C, Gas Inlet T. 115°C, Gas Pressure 92 bar. Available pressure radial models. 100 Pa

