



Tewis Mini NS21

for refrigeration and freezer applications



Compact system for commercial refrigeration

Tewis Mini NS21

Extremely compact CO₂ units with a footprint of less than 1m² for refrigeration and freezer applications from 18 to 45kW. The design ensures easy access to all components for quick and easy maintenance.



PS 120 / 70 /
52 / 32 BAR



LIMITED
SURFACE



Choice of Carel or
Danfoss controller

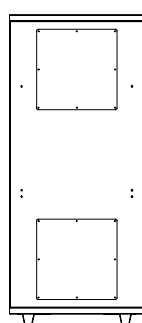
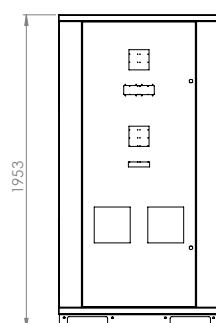
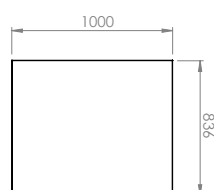
48L liquid container
with internal exchanger
for connection to
emergency group



All pipes and
connections made of
K65 copper

Equipped with
2 MT compressors and
1 LT compressor

Customised design for optimised transport and
handling



- ▶ Reduced dimensions for easy access to all components
- ▶ 360° accessibility thanks to two access doors

		Capacities			
Application	Compressor	MT kW	LT kW	Type name	Gas cooler
MEDIUM TEMPERATURE	BITZER	18.2	-	GNS21JC302XBX	GRT-414_1
		22.6	-	GNS21JC872YBX	GRT-414_1
		35.2	-	GNS21JC882YBX	GRT-414_2
	DORIN	25.6	-	GNS21JC677XDX	GRT-414_1
		36.4	-	GNS21JC684XDX	GRT-414_2
		44.7	-	GNS21JC750XDX	GRT-414_3
MEDIUM & LOW TEMPERATURE	BITZER	15.4	2.8	TNS21JC304XBX	GRT-414_1
		33.1	2.1	TNS21JC881YBX	GRT-414_2
		32.4	2.8	TNS21JC880YBX	GRT-414_2
	DORIN	22.2	3.3	TNS21JC670XDX	GRT-414_1
		30.1	6.2	TNS21JC679XDX	GRT-414_2
		31.9	4.4	TNS21JC678XDX	GRT-414_2
		33.0	3.3	TNS21JC658XDX	GRT-414_2
		36.7	7.8	TNS21JC753XDX	GRT-414_3
		41.3	3.3	TNS21JC659XDX	GRT-414_3
Tev -8°C GC outlet +35°C			Tev -32°C GC outlet +35°C		

Alfa Lu-ve gas cooler	Capacity (kW)	Fans	Number of fans	Noise level (10 m)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
GRT-414_1	43.3	EC fans	2	33	2,393	1,110	1,230	197
GRT-414_2	63.1	EC fans	2	35	2,823	1,110	1,270	241
GRT-414_3	100.3	EC fans	2	34	3,690	1,284	1,600	426

Selection criteria: 33°C ambient temperature (pressure 96 bar)

OTHER OPTIONS

GM.104-0	Installation of manual by-pass valves (HP and FG)
CH.112-1	Installation of pressure gauges (compressed gas pressure, suction gas pressure and liquid vessel pressure)
CE.109	Higher resistance of switching components up to 25kA
CE.123-C	Electronic HP and FG display (Carel)

Tewis is a leading and innovative company in the design and development of refrigeration systems. Besides its expertise in operating elements (such as control systems), Tewis offers comprehensive total solutions for refrigeration and air-conditioning applications. In recent years, Tewis has also focused on the development of CO₂-based refrigeration systems.

Tewis
a member of **DAIKIN** group

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