

special edition
CHILVENTA
2022

FRIGO SYSTEM®

SUSTAINABLE **REFRIGERATION**

**ENVIRONMENTAL-FRIENDLY
CARBON DIOXIDE**

ENVIRONMENTALLY FRIENDLY | COST EFFECTIVE | RELIABLE | October 2022

Introducing

V-BOOSTER

**A Vertical very compact booster solution
por small and medium CO2 application.**

Wide range of application

Available in 8 combination between LT & MT
Bering natural refrigeration for Convenience Stores,
Mini Markets, Boucher etc. with **efficient costs**.

MODELLO	COMPRESSORI LT		COMPRESSORI MT	
	Numero	Resa frig (kW)	Numero totale	Resa frig (kW)
RKNQ (4+14)-VR744	1	3,68	2	13,57
RKNQ (4+25)-VR744	1	3,68	2	24,6
RKNQ (5+23)-VR744	1	5,06	2	23
RKNQ (5+38)-VR744	1	5,06	2	37,6
RKNQ (8+20)-VR744	1	7,75	2	19,77
RKNQ (8+34)-VR744	1	7,75	2	34,4
RKNQ (10+17)-VR744	1	10,01	2	17,19
RKNQ (10+32)-VR744	1	10,01	2	31,8



TWIN PACK CO₂

A transcritical CO₂ rack with gas cooler on board.

Wide range of temperature

from -10°C to -45°C

Panasonic Double stage Rotary compressors with magnetic bearing & EC Fan



CO₂ UNITS

General features

- Galvanized steel frame painted RAL7044
- Set of high pressure safety pressure switches one for each compressor
- 1 general safety pressure switch with manual reset
- Low pressure switches MT /LT safety switches
- Maximum liquid receiver pressure safety pressure switch (for activation of safety group in OPTION)
- LT / MT side safety valves and intermediate pressure as per EN378
- LT / MP pressure gauges and intermediate pressure
- HP pipes execution in K65, MT and LT side in copper or K65 depending on diameter
- Insulation Armaflex Sp=25mm LT line, 19mm MT line and intermediate pressure

Switchboard

- Power supply 400/3/50Hz + N
- General disconnecter
- On/off selectors for each compressor
- Contactors and magnetothermal protection for each compressor
- Differential protections for compressor/gas cooler fan blocks
- No. 1 INVERTER for MT + No. 1 INVERTER for LT
- Double transformer 400V/230V for auxiliaries
- IP55 box complete with ventilation grille, fans and double door; on the switchboard door there are lamps: green=start; yellow + button= electromechanical; red 1= pressure switch block, compressor thermal; red2=fans block
- No. 1 controllers Danfoss

MODELLO	MODELS			
	VMU02.08/R744	VMU04.14/R744	VMU10.35/R744	
Power supply	Hz	230/1/50	400/3/50	400/3/50
Range evaporating temperature	°C	-35 ÷ 0	-35 ÷ 0	-35 ÷ 0
Nominal power	HP	2	4	10
Cooling capacity Tev= -10°C (*) Min - Max	W	1700 - 2715	3150 - 4980	6350 - 11300
COP (min speed)		2,11	2,31	2,18
COP (max speed)		1,45	1,58	1,51
Cooling capacity Tev= -30°C (*) Min - Max	W	760 - 1580	1365 - 3530	3300 - 5550
COP (min speed)		0,93	1,03	1,02
COP (max speed)		0,82	0,91	0,9
Pmax absorbed	W	2350	4100	10600
PIPING: D suct / D liq	mm	10 / 8	12 / 10	16 / 10

(*) Gas cooler pression=80 bar; Gas cooler outlet temperature= 32°C

All information, technical data, product features and accessories listed here are subject to change without notice. Availability of products and accessories may be limited in some countries.

FRIGO SYSTEM®

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