GREEN COLD CHAIN·PROTECTS FOOD SAFETY

Carrier

Global Cold Chain Experts

Carrier

MEDIUM TEMPERATURE INVERTER CDU

Product Overview

Product Features

- DC-inverter compressor, step-less regulation of load and rotary speed, low-noise and high efficiency, above 35% power saving annually.
- DC-inverter fan design, automatic adjustment of fan speed, low running noise, more efficiency.
- Thickened soundproof cotton design muffling noise more efficiently, running more quietly.
- Integrated cabinet design, no machine room, easy to install.
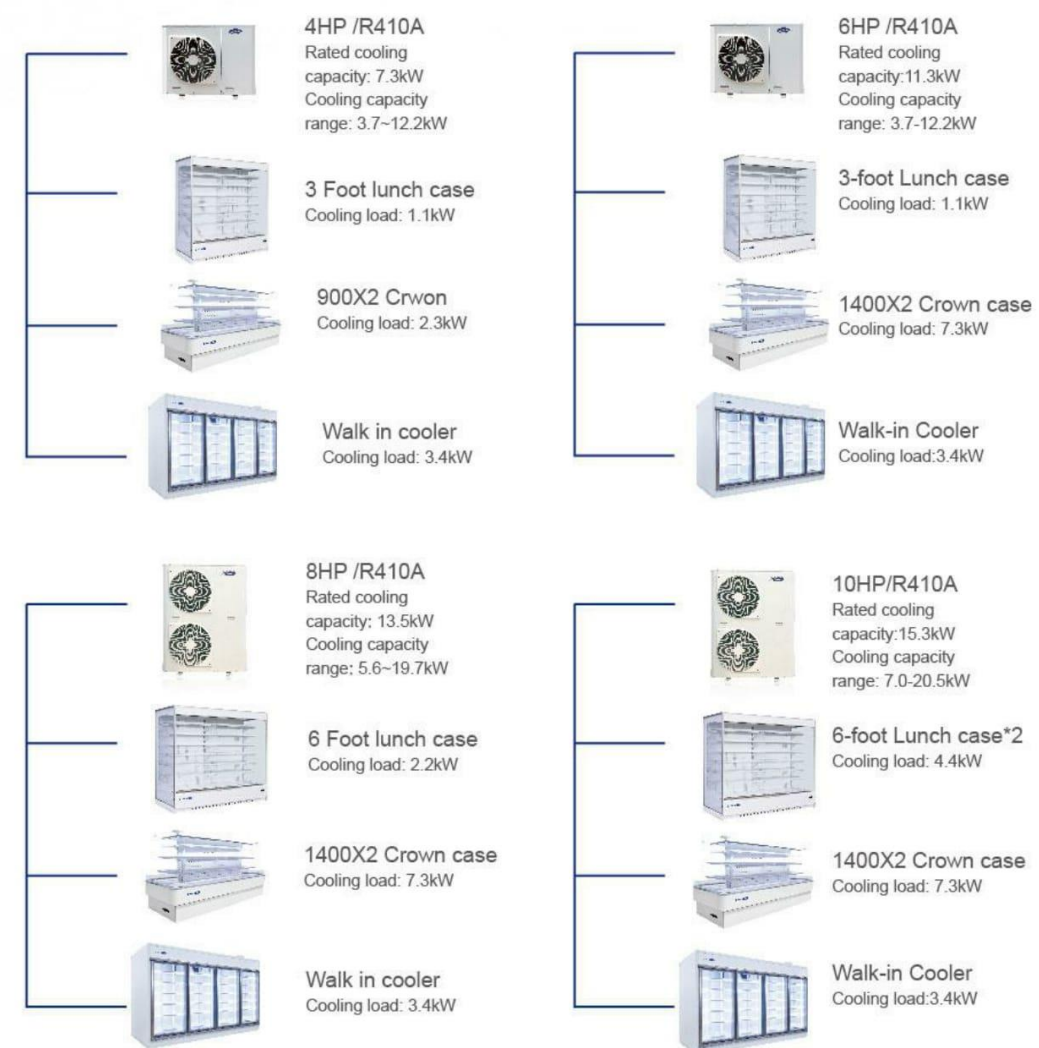- Compact design, smaller size, saving installation space.

Customer Value

- One Store only needs one unit, which saves more space.
- Capacity control range: 40%~150%.
- Applicable ambinet temperature: up to 43°C , more reliable.
- At rated condition, it can cut down 35% energy consumption and lower 7% noise(4dBA) compared with that of constant frequency.

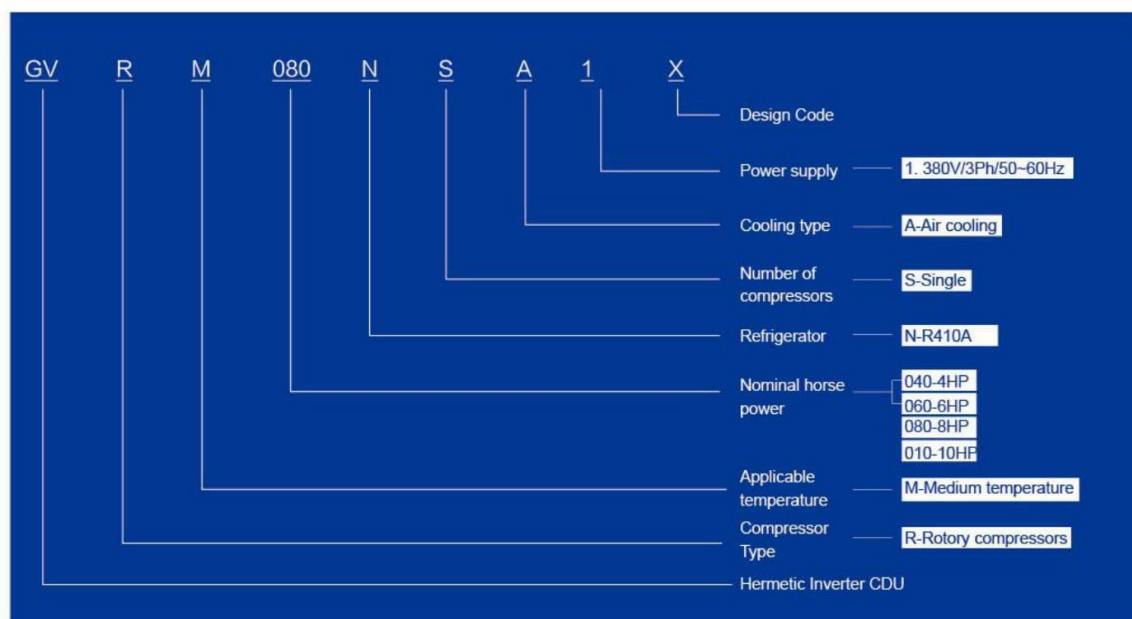All comparison mentioned only limited to that with the product of last generation.

Wide Applications

● Inverter products and solutions

4HP /R410A
Rated cooling capacity: 7.3kW
Cooling capacity range: 3.7~12.2kW

3 Foot lunch case
Cooling load: 1.1kW

900X2 Crwon
Cooling load: 2.3kW

Walk in cooler
Cooling load: 3.4kW

6HP /R410A
Rated cooling capacity:11.3kW
Cooling capacity range: 3.7-12.2kW

3-foot Lunch case
Cooling load: 1.1kW

1400X2 Crown case
Cooling load: 7.3kW

Walk-in Cooler
Cooling load:3.4kW

8HP /R410A
Rated cooling capacity: 13.5kW
Cooling capacity range: 5.6~19.7kW

6 Foot lunch case
Cooling load: 2.2kW

1400X2 Crown case
Cooling load: 7.3kW

Walk in cooler
Cooling load: 3.4kW

10HP/R410A
Rated cooling capacity:15.3kW
Cooling capacity range:7.0-20.5kW

6-foot Lunch case*2
Cooling load: 4.4kW

1400X2 Crown case
Cooling load: 7.3kW

Walk-in Cooler
Cooling load:3.4kW

Operating Envelope & Product Nomenclature

Evaporating temperature

GV	R	M	080	N	S	A	1	X	
									Design Code
								1. 380V/3Ph/50~60Hz	Power supply
						A-Air cooling			Cooling type
					S-Single				Number of compressors
				N-R410A					Refrigerator
			040-4HP / 060-6HP / 080-8HP / 010-10HP						Nominal horse power
		M-Medium temperature							Applicable temperature
	R-Rotory compressors								Compressor Type
Hermetic Inverter CDU									
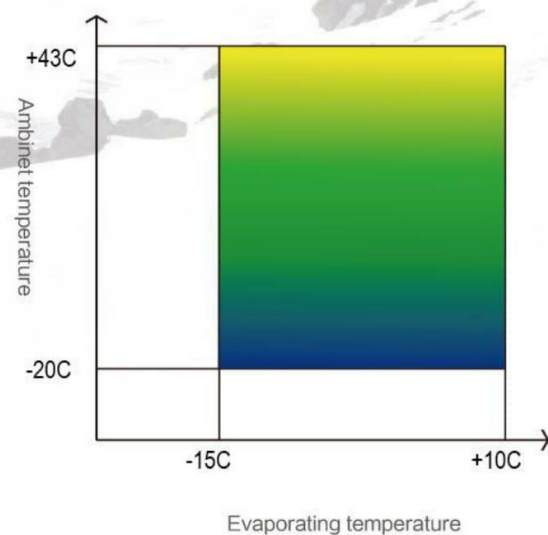
Technical Data

Model	AMT °C	Cap Q Power P (kW)	Evaperating temp °C															
			−10			−7			−5			0			5		
			Min	Noninal	Max	Min	Noninal	Max	Min	Noninal	Max	Min	Noninal	Max	Min	Noninal	Max
4HP	27	Q	3.6	7.2	12.0	4.0	8.0	13.3	4.3	8.6	14.2	5.2	10.1	16.4	6.1	11.7	18.7
		P	1.1	2.4	5.6	1.1	2.5	5.9	1.2	2.6	6.1	1.2	2.7	6.6	1.2	2.8	7.1
	32	Q	3.3	6.5	11.0	3.7	7.3	12.2	4.0	7.8	13.0	4.7	9.2	15.0	5.5	10.7	17.1
		P	1.2	2.7	6.0	1.3	2.7	6.3	1.3	2.8	6.5	1.3	2.9	7.0	1.3	3.1	7.5
	38	Q	2.9	5.8	9.6	3.2	6.4	10.7	3.5	6.9	11.4	4.1	8.1	13.3	4.9	9.4	15.2
		P	1.4	2.9	6.5	1.4	3.0	6.7	1.4	3.1	6.9	1.5	3.2	7.5	1.5	3.4	7.7
	43	Q	2.5	4.9	6.7	2.8	5.5	7.8	3.0	5.9	8.5	3.5	7.0	10.2	4.2	8.1	12.4
		P	1.5	3.2	6.9	1.6	3.3	7.2	1.6	3.4	7.4	1.6	3.6	8.0	1.7	3.7	8.3
6HP	27	Q	4.4	10.7	14.5	4.9	12.0	16.2	5.3	13.0	17.4	6.5	15.6	20.7	7.8	18.5	24.3
		P	1.3	3.6	5.7	1.4	3.5	5.9	1.4	3.7	6.1	1.4	4.0	6.7	1.4	4.4	7.6
	32	Q	4.1	10.0	13.6	4.6	11.3	15.3	5.0	12.2	16.4	6.1	14.6	19.5	7.3	17.4	23.1
		P	1.5	3.7	6.1	1.5	3.8	6.2	1.5	4.0	6.5	1.5	4.2	7.1	1.5	4.6	7.8
	38	Q	3.8	9.2	13.0	4.3	10.4	14.1	4.6	11.2	15.2	5.6	13.5	18.1	6.8	16.1	21.4
		P	1.6	4.1	6.5	1.7	4.2	6.6	1.7	4.3	7.0	1.7	4.6	7.6	1.8	5.1	8.0
	43	Q	3.4	8.3	9.6	3.9	9.3	11.2	4.1	10.1	12.4	5.1	12.2	15.5	6.2	14.6	19.0
		P	1.8	4.5	7.0	1.9	4.6	7.5	1.9	4.8	7.6	1.9	5.1	8.2	2.0	5.5	8.6
8HP	27	Q	5.3	12.7	18.7	6.0	14.3	21.0	6.4	15.5	22.5	7.8	18.6	27.0	9.4	22.1	31.7
		P	1.7	4.5	8.2	1.7	4.6	8.8	1.8	4.8	9.1	1.8	5.2	9.9	1.8	5.7	11.2
	32	Q	5.0	12.0	17.5	5.6	13.5	19.7	6.1	14.6	21.2	7.4	17.5	25.2	8.8	20.9	29.8
		P	1.9	4.8	8.8	1.9	5.0	9.3	1.9	5.2	9.7	2.0	5.6	10.8	2.0	6.1	11.8
	38	Q	4.6	10.9	16.8	5.2	12.4	18.1	5.6	13.4	19.5	6.8	16.2	23.2	8.2	19.3	27.4
		P	2.1	5.3	9.3	2.1	5.5	9.6	2.2	5.7	11.0	2.2	6.1	11.5	2.3	6.7	12.1
	43	Q	4.1	9.8	12.2	4.7	11.1	14.1	5.0	12.0	15.6	6.1	14.6	19.6	7.4	17.5	24.0
		P	2.3	5.7	9.8	2.3	6.0	10.9	2.4	6.2	11.8	2.5	6.7	12.4	2.6	7.2	13.0
10HP	27	Q	6.6	14.5	19.6	7.4	16.2	22.1	8.0	17.4	23.6	9.6	20.6	28.4	11.6	24.5	33.3
		P	2.0	5.3	8.9	2.1	5.5	9.0	2.1	5.7	9.6	2.1	6.0	10.4	2.1	6.6	11.8
	32	Q	6.2	13.7	18.2	7.0	15.3	20.5	7.5	16.5	22.0	9.0	19.4	26.2	10.7	23.2	31.0
		P	2.3	5.7	9.5	2.3	5.9	9.5	2.3	6.2	10.4	2.4	6.5	11.2	2.4	7.1	12.2
	38	Q	5.7	12.6	17.3	6.5	14.2	18.6	7.0	15.2	20.1	8.4	18.0	23.9	10.1	21.4	28.2
		P	2.5	6.2	9.9	2.6	6.5	10.2	2.6	6.7	11.3	2.6	7.0	11.8	2.7	7.7	12.4
	43	Q	5.1	11.2	12.6	5.8	12.6	14.5	6.2	13.6	16.1	7.5	16.2	20.2	9.1	19.4	24.7
		P	2.8	6.8	10.4	2.9	7.1	11.2	2.9	7.4	12.2	3.0	7.8	12.8	3.1	8.4	13.4

Power Distribution Table

Model	4HP	6HP	8HP	10HP
Maximum power	7.8kW	9.0kW	14.3kW	15.5kW
Maximum current	12A	16A	23A	25A