

R410A LT DC Inverter

Condensing Units



2.5~5HP



7-10HP

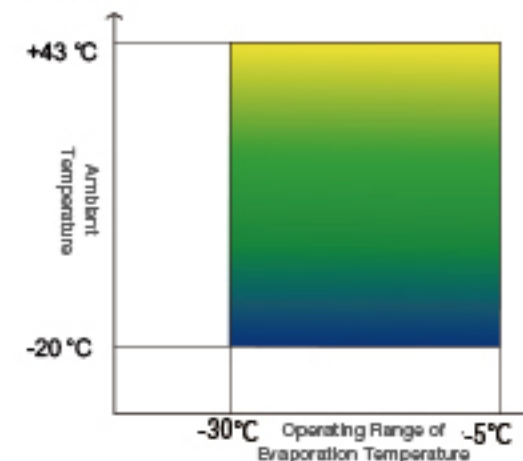


Product Features

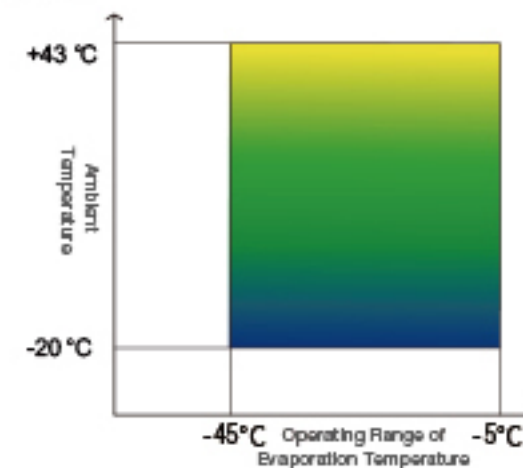
- Freezing and refrigerating integrated application for convenient store renovation and maintenance
- DC variable frequency compressor, with wide adjustable range, high energy efficiency and low operation cost.
- Adopt frequency conversion fan, with low operation cost.
- Compact structure design, small footprint
- Inner frame with sound insulation cotton, low noise
- R410A refrigerant, low installation cost
- Energy saving ~10%, noise reduction ~4dBA

Operation Range and Naming Rule

2.5HP~5HP



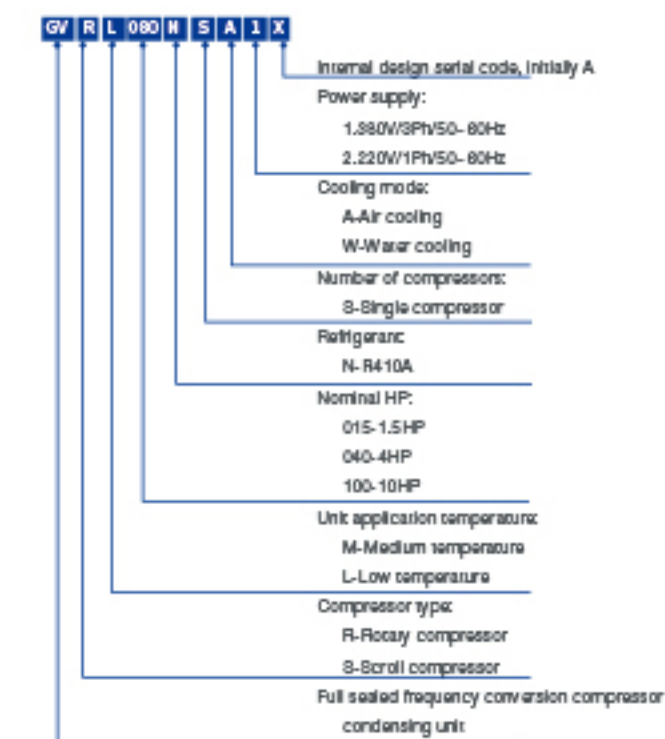
7HP~10HP



Operating Range and Naming Rule

Model	Refrigerant	Minimum Evaporating Temperature	Nominal Condition Cooling Capacity @60rps(W)	COP	Maximum Cooling Capacity
2.5HP	R410A	-30	2.6	1.3	5.1
3.5HP			3.1	1.3	6.6
5HP			4.2	1.3	7.6
7HP		-40	6.9	1.4	11.1
10HP			10.2	1.5	16.8

* The working condition is based on the ambient temperature of 32 °C and the evaporation temperature of -30 °C .



Application Scenarios



Catering chain
Chain restaurants with small cold storage

Room temperature: -18°C ~ -5°C



Hotel cold storage
Hotels with small cold storage

Room temperature: -18°C ~ -5°C



Supermarket
Provide cooling capacity to remote freezer

Room temperature: -18°C ~ -5°C

Unit Performance Parameters - Low Temperature Unit

Unit Model	GVRL025NSA2A	GVRL035NSA2A	GVRL050NSA2A	GVSL070NSA1A	GVSL100NSA1A
Number of matches	2.5HP	3.5HP	5.0HP	7.0HP	10HP
Refrigerant	R410A				
Supply Voltage of Unit	220V/1PH/50~60Hz			380V/3PH/50~60Hz	
Compressor Model	WHP09500AEDPC9FD	WHP11500AEDPC9FD	WHP15600AEDPC9FD	ENK62FC-YE-C	HNK92FE-YE-C
Type of Refrigerant Oil	a68HES-H			MEL32R	
Unit Oil Charge (L)	1.65			2.3	3
Operating Frequency Range (rps)	30~100		30~90	30~85	30~100
Minimum evaporation temperature	-20			-45	
Number of Fan	1			2	2
Diameter of Fan (mm)	500				
Fan Speed Range (rpm)	300~850				
Maximum Air Volume (m³/h)	4030			7060	
Reservoir Volume (L)	4.5			8.8	
Maximum refrigerating capacity of unit (kw)	5.1	6.8	7.8	11.1	16.8
Unit rated cooling Capacity (kW)	3.4	4.1	5.4	8.9	13
Unit rated power (kW)	2.1	2.5	3.5	5	7.5
Noise of Unit dBA@1m	54	54	54	57	60
Unit starting current (A)	--				
Unit rated operating current (A)	10	12	16	10	13
Maximum Running Current (A)	25	30	33	25	30
Diameter of Suction Pipe (Inch)	1/2	5/8		3/4	1-1/8
Diameter of Liquid Pipe (Inch)	3/8			1/2	
Dimensions (L x W x H) (mm)	1164*470*864			1164*470*1358	
Weight (kg)	112	112	112	172	186

Cooling capacity power testing conditions: National standard medium temperature working conditions: GB/T21383-2018

Evaporating temperature: -23°C, ambient temperature: 32°C, return temperature 5°C.

* If there is any demand, please contact the technical personnel or the sales department for detailed parameters.