

# Fantasy Series

## MT DC Inverter Condensing Units



**1.5~4HP**  
Rotary Compressor  
Single Compressor  
Single Fan



**5~10HP**  
Rotary Compressor  
Single Compressor  
Dual Fans

### Benefits at a Glance

- DC inverter compressor adopted with step-less adjustment of output cooling capacity from 30Hz to 100Hz, supply on demand
- DC inverter fan adopted, adjust the speed according to the end requirements
- Large condensing coils adopted for ensuring operation under high ambient temperature
- Thickened sound insulation cotton with an effective noise insulation
- R410A refrigerant adopted with high volumetric efficiency
- Integrated shell design, compact structure
- With 485 communication interfaces for remote linking, convenient for operation

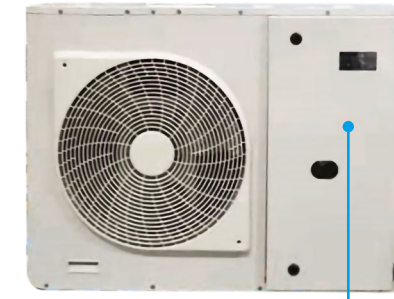
### Customer Values

- Wide adjustable range for cooling capacity and small fluctuation in food storage temperature
- Low operation cost and over 30% of annual energy saving compared with Fixed Speed unit
- Low noise unit with 4BA lower sound level compared with Fix speed unit
- Working temperatures range from -30°C to 48°C, available in harsh environments
- No need for a separate machine room; easier to installation
- Optional Remote monitoring, optimize the operation mode

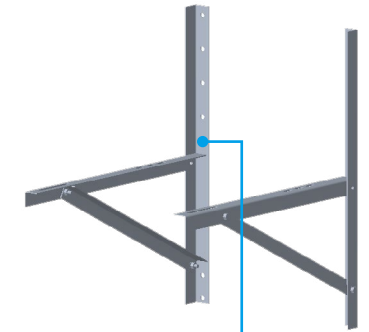
### Optional Configuration



**Magnetic Air Filter**  
One-click cleaning,  
Reduce Labor Cost

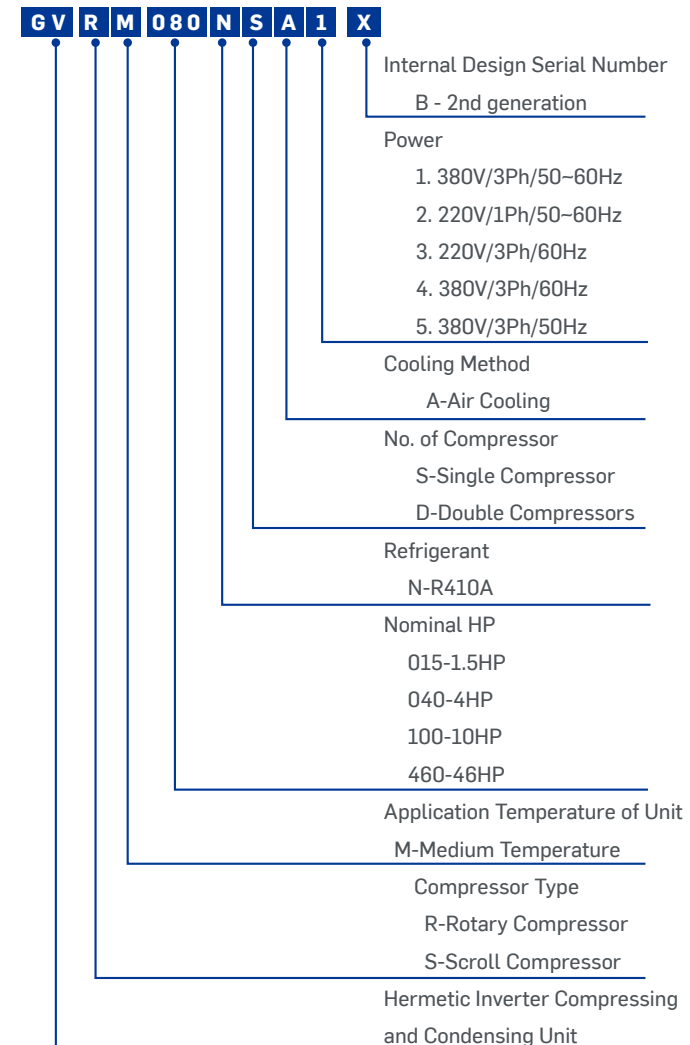


**Hinged Door**  
Convenient for maintenance

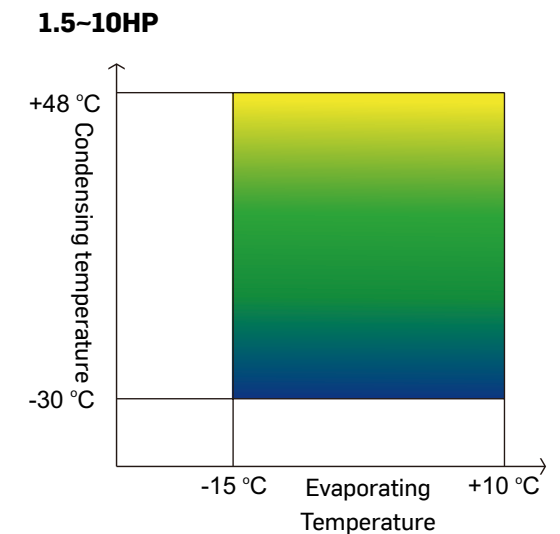


**Triangular Bracket**  
Reduced vibration and Leakage

### Naming Rule



### Operation Range



## Technical Parameters

Model	GVRM 015NSA2B	GVRM 020NSA2B	GVRM 025NSA2B	GVRM 035NSA2B	GVRM 040NSA1B	GVRM 050NSA1B	GVRM 060NSA1B	GVRM 080NSA1B	GVRM 100NSA1B
Refrigerant	R410A								
Supply Voltage of Unit	220V/1PH/50-60Hz				380V/3Ph/50-60Hz				
Type of Refrigerant Oil	FV50S								
Number of Fan	1				2				
Diameter of Fan (mm)	500								
Fan Speed Range (rpm)	300-850								
Maximum Air Volume (m <sup>3</sup> /h)	4030				7060				
Reservoir Volume (L)	4.5				8.8				
Evaporating Temperature Range	-15-10								
Unit rated cooling Capacity (kW)	3.1	3.7	4.9	6.6	7.8	9.6	11.4	13.8	15.2
Unit rated power (kW)	1.0	1.2	1.6	2.4	2.8	3.2	4.0	4.8	5.8
Maximum Cooling Capacity of Unit (kW)	5.3	6.4	8.1	10.1	11.9	14.0	16.3	19.1	20.6
Maximum Power of Unit (kW)	1.8	2.3	3.3	5.0	6.4	5.2	6.5	8.1	9.8
Noise of Unit dBA@1m	52	52	53	53	56	56	59	60	60
Nominal Running Current of Unit (A)	4.8	5.7	7.8	11.0	5.0	5.5	6.3	8.9	9.6
Maximum Running Current (A)	14	20	23	33	17	20	22	27	28
Diameter of Suction Pipe (Inch)	1/2			5/8		3/4			
Diameter of Liquid Pipe (Inch)	3/8				1/2				
Dimensions (L x W x H) (mm)	1064 X 424 X 802					1064 X 448 X 1358			
Weight (kg)	93	93	95	97		142	142	146	150

## Performance Parameters

Model	Ambient Temperature °C	Cooling Capacity Q Power Consumption P (kW)	-10		-7		-5		0	
			Min	Max	Min	Max	Min	Max	Min	Max
1.5HP	38	Q	2.5	4.2	2.8	4.7	3.0	5.1	3.7	6.1
		P	1.0	2.0	1.1	2.1	1.1	2.2	1.2	2.3
	43	Q	2.3	3.8	2.6	4.3	2.8	4.7	3.4	5.7
		P	1.1	2.2	1.1	2.3	1.2	2.3	1.2	2.5
	48	Q	2.1	3.5	2.4	3.9	2.6	4.3	3.2	4.8
		P	1.2	2.4	1.2	2.5	1.2	2.5	1.3	2.3
2HP	38	Q	3.0	5.2	3.4	5.8	3.7	6.3	4.5	7.6
		P	1.3	2.5	1.4	2.6	1.4	2.7	1.4	2.9
	43	Q	2.8	4.7	3.1	5.3	3.4	5.8	4.2	6.9
		P	1.4	2.7	1.5	2.8	1.5	2.9	1.6	3.1
	48	Q	2.5	4.2	2.9	4.8	3.1	5.2	3.8	6.3
		P	1.5	2.9	1.6	3.0	1.6	3.1	1.7	3.4
2.5HP	38	Q	3.9	6.8	4.4	7.6	4.8	8.2	5.8	9.9
		P	1.8	3.6	1.8	3.7	1.8	3.8	1.9	4.0
	43	Q	3.6	6.1	4.1	6.9	4.5	7.5	5.4	9.0
		P	1.9	3.8	2.0	4.0	2.0	4.1	2.1	4.3
	48	Q	3.3	5.4	3.7	6.1	4.1	6.7	5.0	7.4
		P	2.0	4.0	2.1	4.2	2.1	4.3	2.2	3.9
3.5HP	38	Q	5.5	8.6	6.2	9.6	6.7	10.3	7.9	12.1
		P	2.6	5.4	2.6	5.7	2.7	5.9	2.9	6.4
	43	Q	5.1	7.7	5.7	8.6	6.1	9.2	7.4	10.2
		P	2.8	5.6	2.9	6.0	2.9	6.2	3.1	5.7
	48	Q	4.6	6.5	5.2	6.9	5.6	7.4	6.7	8.4
		P	3.0	5.8	3.1	5.2	3.2	5.4	3.3	5.0
4HP	38	Q	6.2	9.3	7.0	10.4	7.5	11.2	9.1	13.1
		P	3.0	6.5	3.1	6.9	3.2	7.2	3.4	7.9
	43	Q	5.6	8.1	6.4	9.1	6.9	9.8	8.3	11.0
		P	3.2	6.9	3.4	7.3	3.5	7.6	3.7	6.9
	48	Q	4.9	6.5	5.6	7.4	6.1	7.5	7.4	8.4
		P	3.4	6.0	3.6	6.4	3.7	5.5	4.0	5.0
5HP	38	Q	6.6	11.3	7.5	12.7	8.2	13.8	9.8	16.7
		P	2.9	5.8	3.0	6.0	3.1	6.1	3.2	6.5
	43	Q	6.1	10.2	6.9	11.6	7.5	12.6	9.1	15.2
		P	3.2	6.3	3.3	6.6	3.4	6.8	3.5	7.2
	48	Q	5.5	9.0	6.3	10.3	6.8	11.2	8.4	13.7
		P	3.5	6.8	3.6	7.1	3.7	7.3	3.8	7.9
6HP	38	Q	7.8	13.1	8.9	14.8	9.6	16.0	11.7	19.2
		P	3.5	6.9	3.6	7.2	3.7	7.5	3.9	8.1
	43	Q	7.2	11.9	8.2	13.5	8.9	14.6	10.9	17.5
		P	3.8	7.5	3.9	7.9	4.0	8.2	4.2	8.7
	48	Q	6.5	10.5	7.4	12.0	8.1	13.0	9.9	15.8
		P	4.2	8.0	4.3	8.4	4.4	8.7	4.6	9.5
8HP	38	Q	9.6	15.0	10.9	17.0	11.8	18.5	14.2	22.5
		P	4.4	8.6	4.5	9.0	4.6	9.3	4.8	9.9
	43	Q	8.8	13.5	10.0	15.4	10.9	16.7	13.2	20.2
		P	4.7	9.1	4.9	9.6	5.0	9.9	5.2	10.6
	48	Q	7.9	11.7	9.1	13.5	9.9	14.7	12.0	18.0
		P	5.1	9.4	5.3	10.0	5.3	10.4	5.6	11.3
10HP	38	Q	10.6	16.3	12.1	18.4	13.1	20.0	15.7	24.0
		P	5.2	10.2	5.3	10.8	5.4	11.2	5.7	12.1
	43	Q	9.7	14.5	11.1	16.5	12.0	18.0	14.6	21.7
		P	5.7	10.9	5.9	11.5	6.0	12.0	6.3	13.0
	48	Q	8.7	12.6	10.0	14.5	10.9	15.8	13.3	18.0
		P	6.2	11.4	6.4	12.1	6.6	12.7	6.9	11.8