

GMV5C



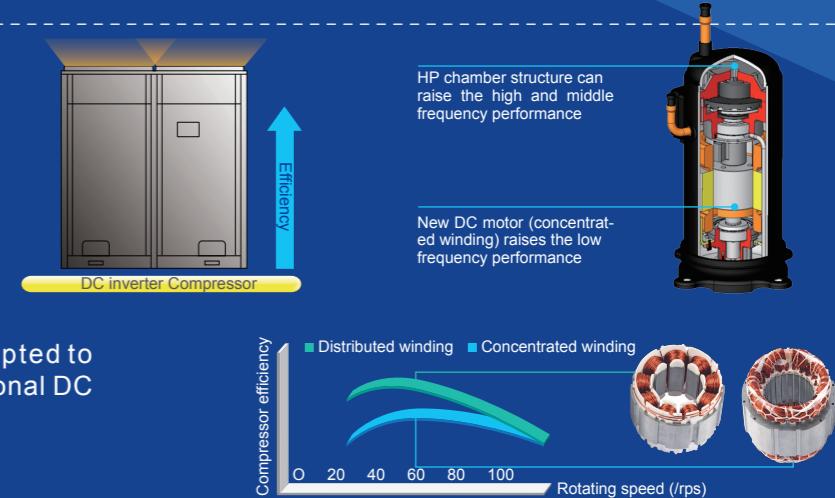
Key Features

DC Inverter Technology to Improve Compression Efficiency

DC inverter compressor and high-performance high pressure chamber are adopted to reduce loss of overheat and improve compression efficiency from direct intake. Compared with low pressure chamber, the compression efficiency is improved. High-efficient permasyne motor is adopted to provide better performance than traditional DC inverter compressor.

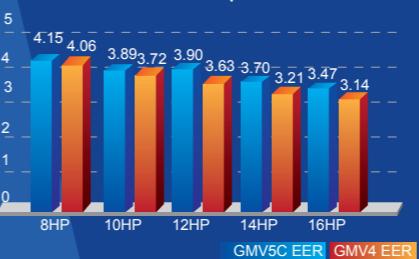
DC Inverter Compressor

- High-performance high pressure chamber DC inverter compressor is adopted. High pressure chamber structure can directly reduce loss of overheat and improve compression efficiency, comparing with the compression efficiency of low pressure chamber.
- High-efficient permasyne motor is adopted to provide better performance than traditional DC inverter compressor.



High Efficiency and More Energy Saving

Thanks to the advanced DC inverter technology, optimized system design and accurate intelligent control technology, EER of GMV5C is up to 4.15 while COP is up to 4.39.



Intelligent Defrosting Control

During the heating process, the frost status of the unit will be different after affecting by factors of outdoor ambient temperature, load status and operation time. Through real-time detection of operation parameters of the system, it can decide the defrosting time by intelligently estimating the thickness of frost, high pressure of system and blockage status of heat exchanger.



Lower Power Consumption Operation Mode

As for the area with power consumption limited time period, the maximum power consumption can be set for the operation. Basing on the power consumption of unit and user's requirement, power consumption limitation can be set according to 100%, 90% or 80% of the capacity of complete unit. In this case, user can have more selection at the power consumption limited time period.

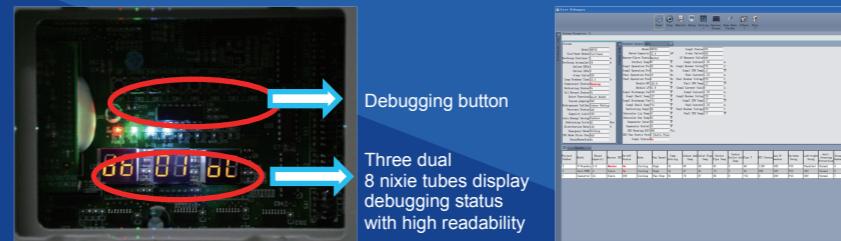


2) Diversified debugging methods for satisfying different requirements and improving debugging efficiency:

① Button debugging of outdoor unit

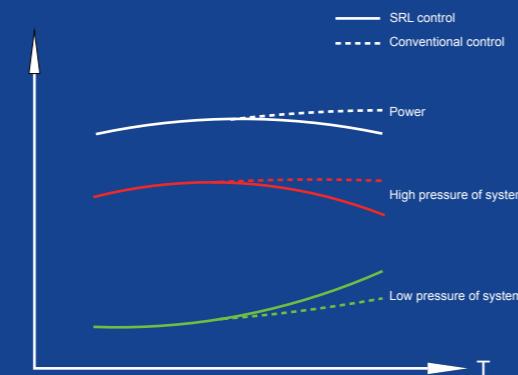
② Special GMV debugging system

③ CE41-24/F(C) debugger has functions of debugging of complete unit, independent debugging of indoor unit, malfunction display, data record and so on. It's no need to connect special software and PC. Moreover, it can connect external USB storage data.



SRL (Self-reaction Load) Self-adaptive Control

SRL (Self-reaction Load) can intelligently detect and control system parameters and automatically adapt to indoor cold/heat load requirement to reducing unit's power and improve the energy efficiency.



Five-way Piping Connection

Piping and wiring are available to the front and back, left and right, and bottom.

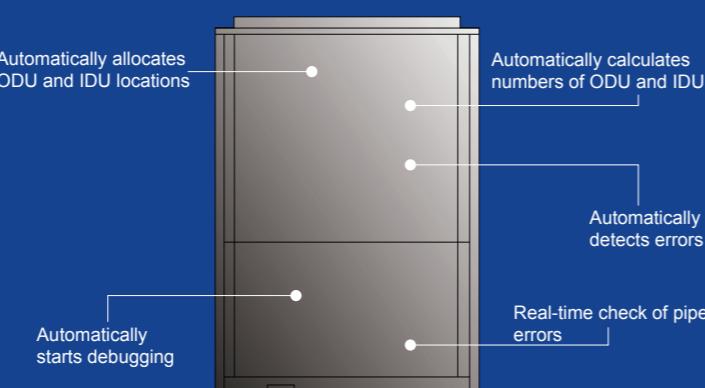
The five-way piping connection reduces installation difficulty and cost, improves the installation efficiency.



Engineering Debugging for Convenient Construction

1) GMV5C has five auto debugging features:

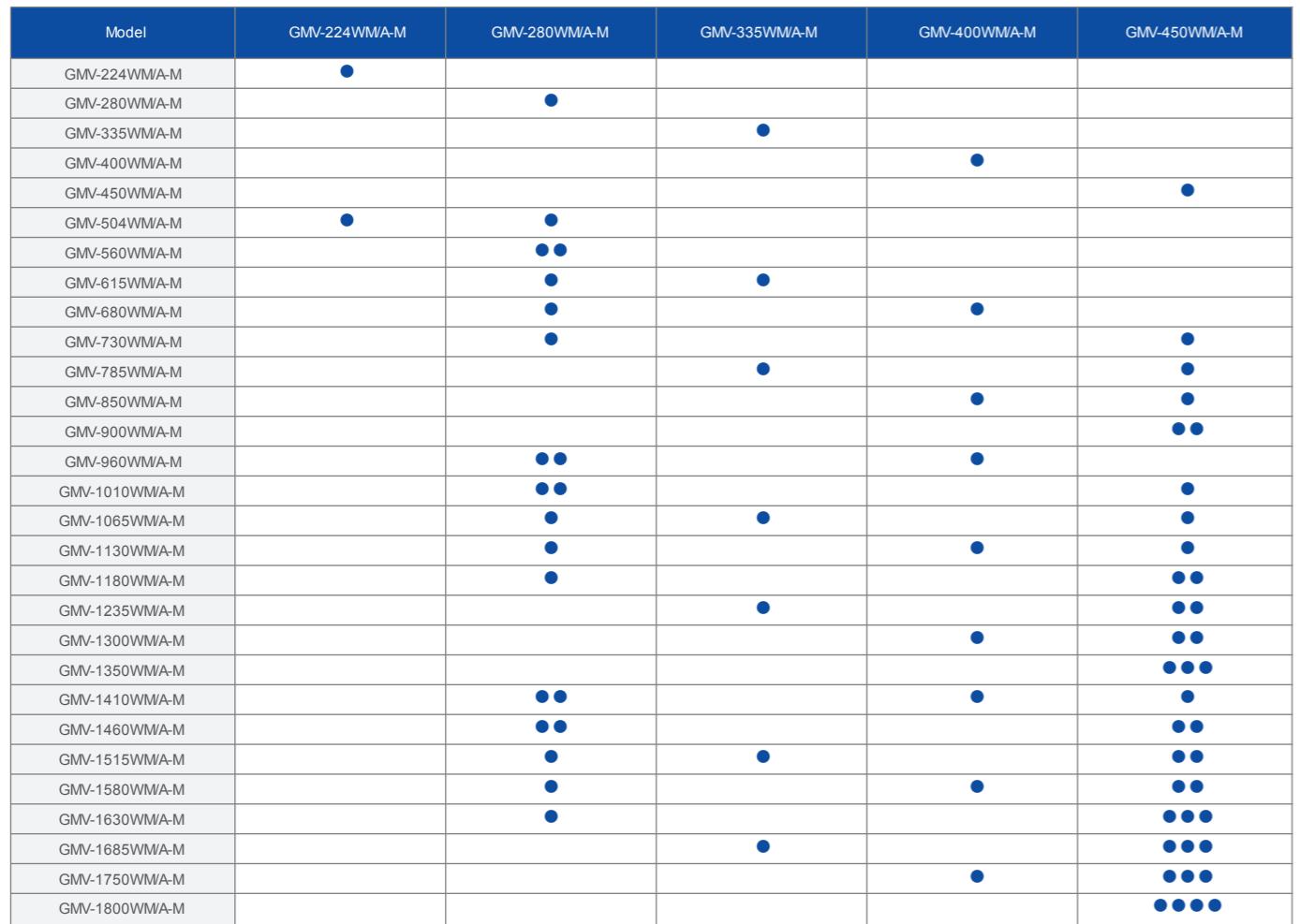
- Automatic allocation of IDU and ODU addresses
- Automatic detection of IDU and ODU quantity
- Automatic detection of errors
- Automatic start-up of debugging
- Real-time judgment of pipe errors



No Need Wired Controller for Debugging

When the project is not completed, debugging can be conducted for the system without wired controller to prevent damage to the wired controller during construction process. After the project is finished, install the wired controller, which can prevent unnecessary loss.

ODU Combination Lineup



Specification of ODU Combination of GMV5C

Model	Power Supply	Capacity		Power Input		Dimension(W×D×H)	Airflow Volume	ESP	Sound Pressure Level	Operation sound pressure level at night	Connecting pipe diameter			Min. circuit current	Max. fuse current	Weight
		Cooling	Heating	Cooling	Heating						Liquid	Gas	Oil Balance			
		kW	kW	kW	kW	mm	Pa	dB(A)	dB(A)	mm	mm	mm	A	A	kg	
GMV-504WM/A-M	380-415V-3N-50Hz	50.4	56.5	12.60	13.15	(930×765×1605)×2	11400×2	82	64	45	Φ15.9	Φ28.6	Φ9.52	15.7+20.9	20 + 25	225×2
GMV-560WM/A-M		56	63.0	14.40	14.90	(930×765×1605)×2	11400×2	82	64	45	Φ15.9	Φ28.6	Φ9.52	20.9+20.9	25 + 25	225×2
GMV-615WM/A-M		61.5	69.0	15.80	16.65	(930×765×1605)+(1340×765×1605)	11400+14000	82	65	45	Φ15.9	Φ28.6	Φ9.52	20.9+24.7	25 + 32	285+225
GMV-680WM/A-M		68	76.5	18.00	18.85	(930×765×1605)+(1340×765×1605)	11400+14000	82	65	45	Φ15.9	Φ28.6	Φ9.52	20.9+29.5	25 + 40	225+345
GMV-730WM/A-M		73	81.5	20.15	20.75	(930×765×1605)+(1340×765×1605)	11400+14000	82	65	45	Φ19.05	Φ31.8	Φ9.52	20.9+33.8	25 + 40	225+345
GMV-785WM/A-M		78.5	87.5	21.55	22.50	(1340×765×1605)×2	14000×2	82	66	45	Φ19.05	Φ31.8	Φ9.52	24.7+33.8	40 + 40	285+345
GMV-850WM/A-M		85	95.0	23.75	24.70	(1340×765×1605)×2	14000×2	82	66	45	Φ19.05	Φ31.8	Φ9.52	29.5+33.8	40 + 40	345×2
GMV-900WM/A-M		90	100.0	25.90	26.60	(1340×765×1605)×2	14000×2	82	66	45	Φ19.05	Φ31.8	Φ9.52	33.8+33.8	40 + 40	345×2
GMV-960WM/A-M		96	108.0	25.20	26.30	(930×765×1605)+2+(1340×765×1605)	11400×2+14000	82	67	45	Φ19.05	Φ31.8	Φ9.52	20.9+20.9+29.5	25 + 25 + 40	225×2+345
GMV-1010WM/A-M		101	113.0	27.35	28.20	(930×765×1605)+2+(1340×765×1605)	11400×2+14000	82	67	45	Φ19.05	Φ38.1	Φ9.52	20.9+20.9+33.8	25 + 25 + 40	225×2+345
GMV-1065WM/A-M		106.5	119.0	28.75	29.95	(930×765×1605)+(1340×765×1605)×2	11400+14000×2	82	67	45	Φ19.05	Φ38.1	Φ9.52	20.9+24.7+33.8	25 + 40 + 40	225+285+345
GMV-1130WM/A-M		113	126.5	30.95	32.15	(930×765×1605)+(1340×765×1605)×2	11400+14000×2	82	67	45	Φ19.05	Φ38.1	Φ9.52	20.9+29.5+33.8	25 + 40 + 40	225+345×2
GMV-1180WM/A-M		118	131.5	33.10	34.05	(930×765×1605)+(1340×765×1605)×2	11400+14000×2	82	67	45	Φ19.05	Φ38.1	Φ9.52	20.9+33.8+33.8	25 + 40 + 40	225+345×2
GMV-1235WM/A-M		123.5	137.5	34.50	35.80	(1340×765×1605)×3	14000×3	82	68	45	Φ19.05	Φ38.1	Φ9.52	24.7+33.8+33.8	40 + 40 + 40	285+345×2
GMV-1300WM/A-M		130	145.0	36.70	38.00	(1340×765×1605)×3	14000×3	82	68	45	Φ19.05	Φ38.1	Φ9.52	29.5+33.8+33.8	40 + 40 + 40	345×3
GMV-1350WM/A-M		135	150.0	38.85	39.90	(1340×765×1605)×3	14000×3	82	68	47	Φ19.05	Φ38.1	Φ9.52	33.8+33.8+33.8	40 + 40 + 40	345×3
GMV-1410WM/A-M		141	158.0	38.15	39.60	(930×765×1605)+2+(1340×765×1605)×2	11400×2+14000×2	82	69	47	Φ19.05	Φ41.3	Φ9.52	20.9+20.9+29.5+33.8	25 + 25 + 40 + 40	225×2+345×2
GMV-1460WM/A-M		146	163.0	40.30	41.50	(930×765×1605)+2+(1340×765×1605)×2	11400×2+14000×2	82	69	47	Φ19.05	Φ41.3	Φ9.52	20.9+20.9+33.8+33.8	25 + 25 + 40 + 40	225×2+345×2
GMV-1515WM/A-M		151.5	169.0	41.70	43.25	(930×765×1605)+(1340×765×1605)×3	11400+14000×3	82	69	47	Φ19.05	Φ41.3	Φ9.52	20.9+24.7+33.8+33.8	25 + 32 + 40 + 40	225+285+345×2
GMV-1580WM/A-M		158	176.5	43.90	45.45	(930×765×1605)+(1340×765×1605)×3	11400+14000×3	82	69	47	Φ19.05	Φ41.3	Φ9.52	20.9+29.5+33.8+33.8	25 + 40 + 40 + 40	225+345×3
GMV-1630WM/A-M		163	181.5	46.05	47.35	(930×765×1605)+(1340×765×1605)×3	11400+14000×3	82	69	47	Φ19.05	Φ41.3	Φ9.52	20.9+33.8+33.8+33.8	25 + 40 + 40 + 40	225+345×3
GMV-1685WM/A-M		168.5	187.5	47.45	49.10	(1340×765×1605)×4	14000×4	82	70	47	Φ19.05	Φ41.3	Φ9.52	24.7+33.8+33.8+33.8	32 + 40 + 40 + 40	285+345×3
GMV-1750WM/A-M		175	195.0	49.65	51.30	(1340×765×1605)×4	14000×4	82	70	47	Φ19.05	Φ41.3	Φ9.52	29.5+33.8+33.8+33.8	40 + 40 + 40 + 40	345×4
GMV-1800WM/A-M		180	200.0	51.80	53.20	(1340×765×1605)×4	14000×4	82	70	47	Φ19.05	Φ41.3	Φ9.52	33.8+33.8+33.8+33.8	40 + 40 + 40 + 40	345×4

Note:
Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.