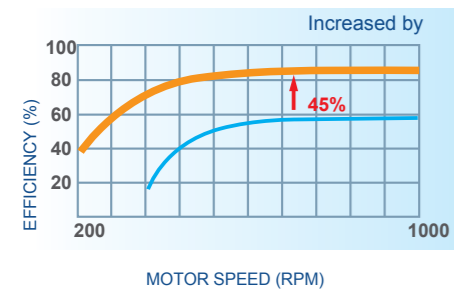


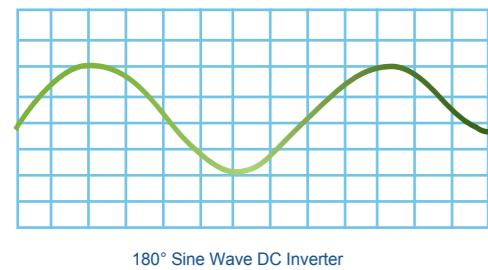
DC Fan Motor

V4 PLUS S series adopt DC fan motor only. Lowers running noise and reduces power consumption about 45% especially at low load.



180° Sine Wave DC Inverter Control

Smooths the rotation of the motor, operation efficiency is improved sharply.



DC Inverter Compressor

All DC inverter high discharge compressors contribute to higher IPLV greatly. The highest IPLV is up to 5.8. With all DC inverter compressors, V4 PLUS S series offer a wide operation range from 20 Hz to 200 Hz.



8HP&10HP units adopt one DC inverter compressor only. 12, 14, 16, 18HP adopt two DC inverter compressors.



Top IPLV

The highest IPLV is up to **5.8** and save more energy consumption.



Capacity pilot, up to 72HP

6 basic capacity module. From 8HP to 72HP, 2HP capacity increment.

All DC Inverter Compressors + All DC Fan Motors



Multi-EEV Control Technology

Multi-EEV Control Technology in one system, each EEV part achieves 480 pulse to adjust flow precisely. Ensure the temperature-controlling precisely and steadily to give a comfortable environment.



Long lifespan

Cyclically changes start-up sequence of multiple outdoor units and compressors, equalizes compressor duty and extends operation life-span.

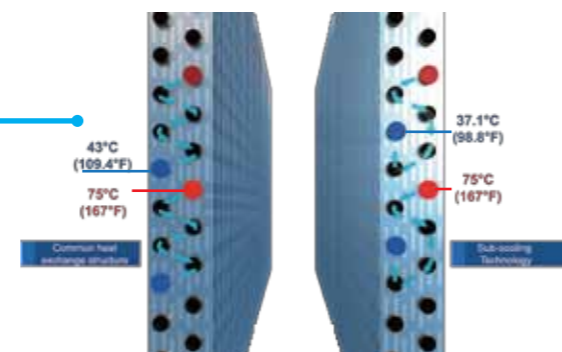


Silent operation

Super silent design make the system run at 45dB(A), more comfortable.

High Efficient δ Structure Heat Exchanger

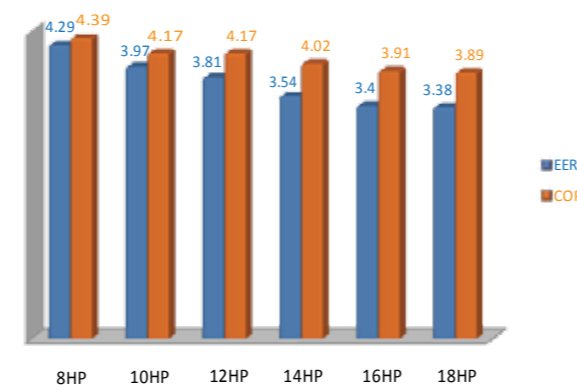
12°C sub-cooling degree makes the cooling capacity increased efficiently. Thus, the total piping length becomes longer, reach up to 1000m.



Meanwhile, the innovative designed high efficiency heat exchanger also simplified the pipeline of outdoor unit and realized compact design and low weight.

High Efficiency

The V4 PLUS S series has achieved the highest level for COP (4.39) and EER (4.29) in the 8HP category.



Powerful total management

Web Access Function permits control of remote facilities (such as laptop, tablet computer or smart phone) via the Internet (LAN or Ethernet) using a Web browser (such as IE, Firefox, Safari or Chrome, etc.).

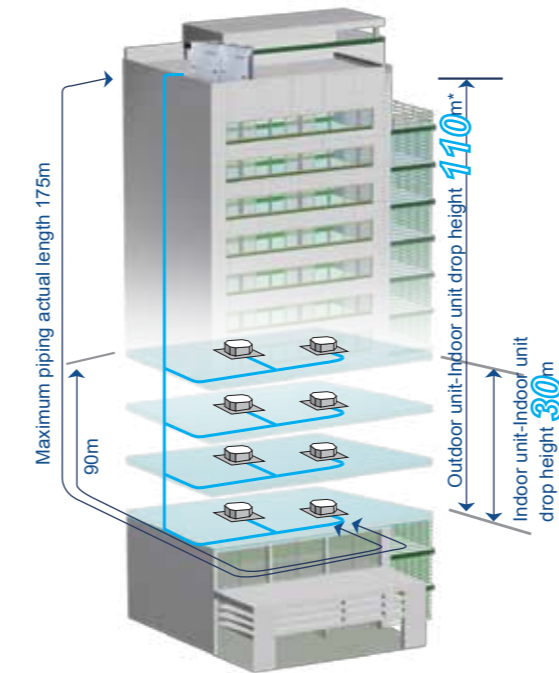


Easier maintenance

Compatible with ODU diagnosis software, easier to detect the running trend and find solutions in case error occurs.

Long Piping Length

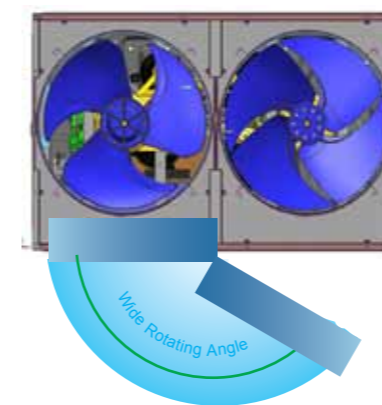
Total pipe length can reach to **1000m**.



*Level difference: outdoor unit is down:110 m outdoor unit is up:70m(>50m need customized)

It supports an incredible piping length of 1000m and longer level difference of 110m, making it perfect for big-sized and high-rise buildings for wide application. What's more, it realizes more connectable indoor units.

Rotating Control Box



* Rotating Control box is available for 18HP model which with G-shape Condenser.

The newly designed rotating control box is so excellent that it can rotate in a wide angle. It is convenient for the inspection and maintenance of the pipeline system and greatly reduced the time of dismount the electric control box.

Outdoor Unit Lineup

The outdoor units' capacity range from 8HP up to 72HP in 2HP increment. Maximum 64 indoor units with capacity up to 130% of total outdoor units can be connected as one refrigeration system.



Specifications

Model			MDV-252(8)W/D2RN1(B) MDV-252(8)W/D2CN1(B)	MDV-280(10)W/D2RN1(B) MDV-280(10)W/D2CN1(B)	MDV-335(12)W/D2RN1(B) MDV-335(12)W/D2CN1(B)
Power source		V-Ph-Hz	R:380-415/3/50 C:380-415/3/60		
Cooling Mode	Capacity (Nominal)	kW/Btu/h	25.2/86,000	28/95,500	33.5/114,300
	Power input	kW	5.875	7.053	8.793
	EER		4.29	3.97	3.81
Heating Mode	Capacity (Nominal)	kW/Btu/h	27/92,100	31.5/107,500	37.5/128,000
	Power input	kW	6.15	7.554	8.993
	COP		4.39	4.17	4.17
Sound pressure level		dB(A)	57	57	59
Max. quantity of indoor units			13	16	20
Refrigerant piping diameter	Liquid pipe/Gas pipe	in. (mm)	1/2(Φ12.7)/1(Φ25.4)	1/2(Φ12.7)/1(Φ25.4)	5/8(Φ15.9)/1-1/4(Φ31.8)
Net/Gross Weight		lbs(kg)	451/485(205/220)	451/485(205/220)	634/678(288/308)
Model			MDV-400(14)W/D2RN1(B) MDV-400(14)W/D2CN1(B)	MDV-450(16)W/D2RN1(B) MDV-450(16)W/D2CN1(B)	MDV-500(18)W/D2RN1(B)* MDV-500(18)W/D2CN1(B)*
Power source		V-Ph-Hz	R:380-415/3/50 C:380-415/3/60		
Cooling Mode	Capacity (Nominal)	kW/Btu/h	40/136,500	45/153,500	50/170,500
	Power input	kW	11.299	13.235	14.793
	EER		3.54	3.4	3.29
Heating Mode	Capacity (Nominal)	kW/Btu/h	45/153,500	50/170,600	56/190,960
	Power input	kW	11.194	12.79	14.396
	COP		4.02	3.91	3.89
Sound pressure level		dB(A)	61	62	62
Max. quantity of indoor units			23	26	29
Refrigerant piping diameter	Liquid pipe/Gas pipe	in. (mm)	5/8(Φ15.9)/1-1/4(Φ31.8)	5/8(Φ15.9)/1-1/4(Φ31.8)	3/4(Φ19.1)/1-1/4(Φ31.8)
Net/Gross Weight		lbs(kg)	634/678(288/308)	634/678(288/308)	683/727(310/330)

*18HP model can be customized.

Indoor Unit Lineup

Type	Model	Model (capacity *100)	Capacity (kWh)																
			22	28	36	45	56	71	80	90	100	112	125	140	160	200	250	280	
One-way cassette	MDV-D XX Q1/N1-C		•	•	•	•	•	•											
Two-way cassette	MDV-D XX Q2/N1		•	•	•	•	•	•	•	•									
Compact four-way cassette	MDV-D XX Q4/N1-A3		•	•	•	•													
Four-way cassette	MDV-D XX Q4/N1-D		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Concealed Duct Unit(A5)	MDV-D XX T2/N1-BA5		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
High Static Pressure Duct	MDV-D XX T1/N1-B																		
Ceiling & Floor	MDV-D XX DL/N1-C		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Wall-mounted S Type	MDV-D XX G/N1-S MDV-D XX G/DN1-S		•	•	•	•	•	•											
			•	•	•	•	•	•											
Wall-mounted C Type	MDV-D XX G/N1-YB MDV-D XX G/DN1-YB		•	•	•	•	•	•											
			•	•	•	•	•	•											
Wall-mounted R Type	MDV-D XX G-R3/N1Y								•	•	•								
Floor standing	MDV-D XX ZN1-F3B MDV-D XX ZN1-F4(F5)B		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Console	MDV-D XX Z/DN1-B		•	•	•	•													
Fresh Air processing unit	MDV-D XX T1/N1-FA																		

Wall mounted R type indoor unit will be available in September, 2012.

Adopt 12 different types and more than 100 models, available for build a large system to suit the customer's variety requirements.

Control Device

Type		Model			
Individual Controller	Remote controller				
	Wired controller				
Centralized Controller	Outdoor controller				
	Indoor controller				
BMS Gateway					
Accessories	Alarm Controller				
	Hotel Card key Interface module				
	Infrared sensor				
	Digital power meter				



GD Midea Refrigeration Equipment Co., Ltd.
Have received ISO 9001 certification for quality assurance.
Certificate Registration
NO.01 100 019209



GD Midea Refrigeration Equipment Co., Ltd.
Have received environmental management system
Standard ISO 14001 certification
Certificate NO.CC 1417

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Note: The data in this book may be changed without notice for further improvement on quality and performance.

V4 PLUS S Series



High energy efficiency and more flexible system design for big-sized buildings

SUPER DC Inverter