



Midea Group

Add.: Midea Headquarters Building, 6 Midea Avenue, Shunde, Foshan, Guangdong, China

Postal code: 528311

hbt.midea.com www.midea-group.com

Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.

GD MIDEA Heating & Ventilating Equipment Co. Ltd participates in the ECP programme for VRF. Check ongoing validity of certi-ficate: WWW. eurovent-certi-fication.com

ISO

9001

ISO

45001

ISO

14001

Midea HBT

Midea HBT (HVAC & Building Technologies) is a key division of the Midea Group, a leading provider of comprehensive solutions of intelligent building, involving energy sources, elevators, control systems, and heating, ventilation & air conditioning. Midea HBT has continued with the tradition of innovation upon which it was founded and emerged as a global leader in the HVAC and building management industry. A strong drive for advancement has resulted in an extensive R&D department that has placed Midea HBT at the forefront of a competitive edge. Through these independent projects and joint-cooperation with other global enterprises, Midea has supplied thousands of innovative solutions to customers worldwide.

FORTUNE GLOBAL 5000 2020

2000-2001

Cooperated with Toshiba and Copeland, enter VRF field

2008-2009

 Developed DC inverter technology with Toshiba
 Launched the DC Inverter V4 globally

2014

Launched the All DC InverterV5Xglobally, outstanding product performance helps Midea leading VRF market Several production bases are situated on Shunde, Chongqing, Hefei, and Italy.

MHBT Shunde: 38 product lines focusing on VRF, Split Products, Heat Pump Water Heaters and AHU/FCU. MHBT Chongqing: 14 product lines focusing on Water Cooled Centrifugal/Screw/Scroll Chillers, Air Cooled Screw/Scroll Chillers and AHU/FCU.

MHBT Hefei: 11 product lines focusing on VRF, Chillers and Heat Pump Water Heaters.

Clivet S.p.A: 50,000m2 workshop in Feltre and Verona, covering products such as ELFO system, hydronic, WHLP, packaged, split and close control and so on.

2018-2019

Launched the All DC Inverter Cooling Only VC Pro VRF,ultra cool for bot regions

2020

generation heat recovery VRF V6R Series globally, providing complete HVAC solutions and satisfying all building needs from one manufacturer

1999 Entered the HBT field

2011-2014

Launched the DC Inverter V4 Plus Series successively, complete product lines help Midea successfully enter the mainstream VRF market

2011-2012 J.V. with Carrier LA and

Carrier India successively

2017-2018

Launched the new generation heat pump VRF globally, leading in VRF market

2016 Acquired 80% stake in Clivet

2014-2015

Won FIFA World Cup

Stadiums project in

Games Stadiums

proiect in Brazil

Rio de Janeiro and

Africa games Stadiums

Brazzaville successively

Benefits for Midea VRF

Benefits of Midea VRF

Benefits for End-users



Healthy Operation

An outside air intake port in the indoor unit allows outdoor fresh air to be introduced into indoor rooms

 Puro-Air kit, powered by OSRAM's UVC lamps, can effectively kill bacteria, viruses and odors of indoor air to provide a healthy and safe indoor environment

 PCO-kit use magnetic particles coated with TiO2nanoparticles to oxidize organic pollutants to produce harmless substances such as carbon dioxide and water

Cost Saving Operation

Cost saving can be up to 31% through Midea META technology
 High efficiency operations thanks to the full DC inverter technology

Comfortable Environment

0.5° C or 1° C steps temperature setting and 7 fan speeds, providing comfortable environment
 Zen air technology ensuring comfortable in any condition
 Noise level is as low as 22dB(A), creating a quiet environment



Benefits for Building Owners



Energy Saving Management

 Centralized and unified management of all equipment, saving energy and manpower
 Remote access to CCM-15 allows anytime, anywhere control (via mobile app "M-Control")



Reliable Operation

 The key components are made of internationally renowned brands, like Hitachi, Danfoss, FUJIKOKI, Infineon, Mitsubishi etc., enhancing better performance and guaranteeing reliable operation Electric control parts are produced by well-known Midea-SIIX Electronics

Corporation, enhancing reliability Doctor M technology real-time monitoring system operation, timely self-diagnosis, ensuring stable and reliable operation

Backup Solution

 Double back-up function allowing time for maintenance or repair whilst maintaining comfort
 Maintenance mode can be activated on site during maintenance period as the remaining indoor units continue to operate



Benefits for Consultants



Diversified Solutions

 A wide product portfolio including air cooled heat pump VRF, Air cooled heat recovery VRF, air cooled cooling only VRF and water cooled VRF
 12 types and more 100 models of VRF indoor units to meet varied customer requirements in a wide range of locations
 Heat Recovery Ventilation and Air Handling Unit adding more options



Professional Tool and Support

• MSSP (Midea Selection Software Platform) enables an easy and quick selection and provides comprehensive system design reports and calculations - CFD analysis helps optimize solutions and anticipate potential problems in advance

Energy consumption analysis helps to provide optimal design solutions

Design Flexibility

• Up to 80°C hot water supply in heat recovery system • Standard and tropical area applications • Supporting cooling operation even at -15°C



Benefits for Construction Companies



Green Solutions

Help earn points when applying for a LEED certificate
 Renewable energy solution provided through water cooled application



Space Saving Design

 Top class compact design, 16kW capacity with only 0.42m² footprint which also can be hang on the wall
 Large capacity for single unit design can save space in big system



Intelligent Management

Full compatibility with the leading BMS protocols: BACnet, LonWorks, Mod bus and KNX



04

Application Solutions

Application Solutions

Office Complexes

Enjoy comfort while working

High-rise office building

Small and medium-sized office buildings



Be it small or large sized, Midea VRF provides solution for all office buildings and its smart control solutions makes the management of VRF simple and easy whereas the wide variety of indoor units are suitable for all designs.

Retails

Residential Apartments

One for Every home

Villas Apartments ◆V6 V ♦V6i VRF Medium Stati ◆Remote Wall-mounted Unit Medium Static Pressure Duct ◆ BMS Controller ♦Mini VRF

The compact size and high efficiency make Midea VRF suitable for all residential homes.

Hotels & Shopping Malls

Increase your business, not your bills

Shopping Malls

Hotel



The high efficiency and reliability of Midea VRF makes it suitable to be used for all commercial applications. The intelligent control solutions like hotel key cards and touch screen controller makes the management easy

Other Applications

Meeting all expectations

Hospitals

Schools Airports V6R VRF
 Hydro module
 Medium Static Pressure Duct
 Puro-air Kit
 Fresh Air Processing Unit
 DX AHU/HRV
 Controller ◆Central ♦BMS ♦V6 VRF
♦Four-way Cassette ◆High Static Pressure Duct
 ◆DX AHU / HRV

The innovative design and a variety of indoor unit choices makes Midea VRF suitable for all kinds of applications. The newly designed puro-air kit is a must have product for modern hospitals.

MHBT Learning Academy

MHBT Learning Academy



Objective

Midea HBT Learning Academy aims to provide training to the sales personnel as well as technical personnel in order to increase the utilization for your Midea HBT equipment. Once you have purchased equipment from Midea HBT, taking care of the equipment is topmost priority. Midea HBT Learning Academy offers training courses to learn firsthand from the manufacturer what it takes to get the best out of your Midea HBT product. The goal of Midea HBT Learning Academy is to provide product specific training, safe work procedures and expertise in carrying out the installation and maintenance of Midea HBT products as well as teaching the main selling points in order to help the sales people sell the Midea HBT products with ease.

Training Centers

Our world class training centers provide knowledge and skills necessary to efficiently deploy Midea HBT technologies. The training centers include dedicated laboratories to provide hands-on experiences with various systems, components and controls to refresh and enhance the skills of your sales, design and installation and service teams. Right now we operate our trainings from the below two locations:

1. Midea HBT Training Center

Address: Midea HBT Training Center, 2nd Floor, Building 6, Midea Global Innovation Center, Beijiao, Shunde, Foshan, China Pin- 528311

The Midea HBT Training Center is situated 70 kilometers from Baiyun Guangzhou International Airport. Products: VRF, M thermal

2. Chongqing Midea Training Center

Address: No. 15, Qiangwei Road, Nan'an District, Chongqing, China Chongqing Midea Training Center is 35 kilometers from Chongqing International Airport. Products: Centrifugal Chiller, Screw/Scroll Chiller and Terminals



VRF training

M thermal training

Chiller training

Global Technical Trainings

The training courses by Midea HBT Learning Academy are divided into the following two categories with different targeted audiences for each.

Design and Application Trainings: The design and application trainings for various products are basically for the sales personnel selling Midea HBT products in order to give them basic understanding about the main features. The trainings are conducted on a global level inviting sales engineers, technical engineers, consultants and project designers from different parts of the world.

After Sales- Service Trainings: These trainings are dedicated for the After Sales/ Service personnel in order for them to better carry out the installation, commissioning and maintenance of Midea HBT products. Technical person and engineers from different parts of the world are invited to take part in these trainings.

ZOOM Online Trainings: The trainings to the Global customers can also be done online with the help of ZOOM software. This way, the customers do not need to be physically present for the training. Amid the COVID-19 pandemic, Midea HBT Learning Academy has conducted a lot of online trainings. The training videos are available on the TSP system and can be downloaded by using QR codes.





Products: VRF, M thermal, Chillers and Terminals

Highly Skilled Trainers: The trainers for various courses by Midea HBT Learning Academy are expert people with vast experiences in their field. Most of them have a deep insight about the global HVAC market and help the attendees to better understand the HBT products.

Training Certificates:

The attendees for Global trainings are provided a training certificate highlighting the courses discussed in the training, signed by Mr. Jason Zhao, General Manager of Midea HBT Overseas Sales Company.

Registration:

You can contact your respective Midea contact point to provide you with the complete schedule about the global technical trainings as well as how to register for these trainings.

VRE V6

Course List



VRF V6R Course List MHBT Learning Academy

Engineering Capability Midea Tool and Support

Midea dedicated to provide the best HVAC engineering supportand solutionsfocused oneffectively designed, built, supervised, and maintained throughout the lifecycle, providing our customers a faster, easier, and a more accurate way in everyday duties.



MSSP-Drag/Drop Design

MSSP-Drag/Drop design enables an easy and quick selection and provides comprehensive system design reports and calculations. Note: MSSP (Midea Selection Software Platform)

th	the second s	1
- monthly	W to the	
	The second second	E
	0 =	

A 43 114 4 1000 014 1000 100

MSSP-CAD Design

MSSP-CAD design enables an visual and fast selection and provides comprehensive system design reports and calculations. Note: MSSP (Midea Selection Software Platform)

Revit Family

Midea revit is developed to make 3D design of Midea products easier than the previous program. It enables engineers to check 3D images from design stage and prevents possible issues of the installation stage.

CAD Drawing

CAD enables faster and a more accurate design of Midea products.





CFD (Computational Fluid Dynamics)

CFD Analysis is applied in areas of estimating: indoor airflow and temperature distribution. By running a simulation before construction, engineers estimate possible issues and find optimal solutions of malfunction that could occur after construction

Temperature distribution









Airflow distribution









Tool and Support

Midea Global Spare Center

The global spare center provides high quality and fast spare parts supply. Midea online system (https://tsp.midea.com) can query and purchase spare parts with one click, further shortening the supply time of spare parts.



Country /

Territory

United States

Puerto Rico

Russia

Kyrgyzstan



REGIONAL SPARE DATE CENTER IN TALY Global Spare Center

Index

> INDEX

02

INDOOR UNITS

061 VRF Indoor Units 109 Heat Recovery Ventilator

113 Puro-Air Kit



01

OUTDOOR UNITS

Air cooled - heat pump VRF

033 VRF V6

041 VRF V6i

045 VRF V4+i - side discharge

047 Mini VRF

Air cooled - heat recovery VRF

053 VRF V6R





167 Branch Joints

175 Branch Headers





CONTROL SYSTEMS

- 123 Remote Controllers
- 125 Wired Controllers
- 129 Central Controllers
- 134 Data Converter
- 138 Network Control System
- 143 BMS Gateways
- 153 Accessories

Index

OUTDOOR UNITS

Air Cooled - Heat Pump VRF Air Cooled - Heat Recovery



Outdoor Unit Lineup

	HP		I	2.5	3	4	4.5	5	6	6.5	7	8	9	10	12	14	16	18	20	22	24	26	28	30	32	34-54	56-96	
		VRF V6										•		•	•	•	•	•	•	•	•	•	•	•	•	•		
Outdoor Uni		VRF V6i - Top Discharge																		•								
t Lineup	Air Cooled -	VRF V6i - Side Discharge									•	•		•	•													ר בווופעף
	Heat Pump	VRF V4+i - Side Discharge	Q								•			•	•													
		Mini VRF - Standard	0		•		•	•	•	•																		
		Mini VRF - Mini C Series							•																			
	Air Cooled - Heat Recovery	VRF VGR															•	•										_

From et la ma			Air Cooled - Heat Pump			Air Cooled - Heat Pump		Air Cooled - Heat Recovery
Functions		VRF V6	VRF V6i- top discharge	VRF V6i- side discharge	VRF V4+i- side discharge	Mini VRF - standard	Mini VRF - Mini C series	VRF V6R
	META technology	٠	•	×	×	×	×	•
Key Technology	Zen air	•	•	•	•	•	•	•
	Doctor M.	•	•	×	×	×	×	•
	Full inverter compressors	•	•	•	•	•	•	•
	Enhanced Vapor Injection (EVI) compressor	٠	•	×	×	×	×	•
High	Full DC fan motors	•	•	•	● (20-33.5kW)	•	•	•
Efficiency	Plate Heat Exchanger (PHE) subcooling	•	•	×	×	×	×	•
	G-type heat exchanger	• (24-32HP)	(24-32HP)	×	×	×	×	×
	7 levels of energy management	40-100%	40-100%	×	×	×	×	40-100%
	Duty cycling	•	×	×	×	×	×	•
	Precise oil control	•	•	•	•	•	•	•
	Backup operation (compressor)	•	•	×	×	×	×	•
	Backup operation (module)	•	×	×	×	×	×	•
	Anti-corrosion protection	•	•	•	•	•	•	•
High Reliability	UL anti-corrosion certificate	•	•	×	×	×	×	×
Kenability	Refrigerant cooling PCB	•	•	•	×	×	•	•
	Real-time refrigerant amount monitoring	•	•	×	×	×	×	•
	Auto snow-blowing function	0	0	×	×	×	×	0
	Dust-clean function	0	0	×	×	×	×	0
	Gas leak protection	×	×	×	×	×	×	•
	Silent mode	Nght silent mode+silent mode+super silent mode	Nght silent mode+silent mode+super silent mode	×	×	×	×	Nght silent mode+silent mode+super silent mode
	Intelligent defrosting technology	•	•	•	•	•	•	•
Enhanced Comfort	Continuous heating (alternate defrost)	×	×	×	×	×	×	•
	Connectable to high temperature hydro module for hot water	×	×	×	×	×	×	•
	Multiple priority modes	٠	•	•	•	•	•	×
	Auto addressing	•	•	•	٠	•	•	•
	Automatic refrigerant charging	0	0	×	×	×	×	0
	Automatic refrigerant recycling	0	0	×	×	×	×	0
	Multi-functional diagnosis box	0	0	×	×	×	×	•
Easy Installation	Maintenance mode	•	•	×	×	×	×	•
and Service	Oil balancing pipe between modules not required	•	•	•	•	•	•	•
	Triple configurations	•	•	×	×	×	×	•
	Digit display	4 digit 7-segment display	4 digit 7-segment display	3 digit 7-segment display	3 digit 7-segment display	3 digit 7-segment display	3 digit 7-segment display	4 digit 7-segment display
	High external static pressure	120Pa	120Pa	×	×	×	×	80Pa

Note:

•: equipped as standard; •: customization option; ×: without this function

Outdoor Unit Functions

KEY TECHNOLOGIES



* Midea Evaporative Temperature Alteration

The evaporative temperature (in cooling) and condensing temperature (in heating) are automatically altered according to both indoor and outdoor temperature **TO MAXIMIZE THE COM-**FORT AND ENERGY EFFICIENCY



Through the data monitoring of a replacement project in Hangzhou from 2018 to 2019, we obtained the following actual data.

2018-V4+ The total electricity consumption is 24577kWh from 2018 to 2019.

2019-V6(META) The total electricity consumption is 16904kWh from 2019 to 2020.





Save 1074USD electricity cost all year round.

A DESIGN STUDIO

The total usable area is 312 m²

AIR LIFE HEALTH

PURO-AIR KIT

SAFE indoor air, from the invisible care **PURIFICATION** speed industry leader





AIR DYNAMIC HARMONY BLENT IN DAILY LIFE HARMONIOUSLY

- 7 fan speeds provide **COMFORT WITHOUT NOTICE** under every indoor condition.
- Guaranteed **NON-STOP** indoor warmth in winter by intelligent defrosting.
- FOLLOW ME function ensures closer thermal sensing with controller build-in sensor, provide more precise air temp. with **0.5**°C adjustment.



AIR DIMENSION FREEDEM







5-LEVEL SWINGING FLOW

HORIZONTAL FLOW





360° FLOW

4-WAY INDEPENDENT ZONING FLOW



HIGH EFFICIENCY

High Efficiency Enhanced Vapor Injection (EVI) Compressor

The enhanced vapor injection DC inverter compressor increases refrigerant circulation and improves both cooling and heating capacity.



Plate Heat Exchanger (PHE) Subcooling

Plate Heat Exchanger as a secondary intercooler boosts up refrigerant subcooling and improves 10% energy efficiency.



High Efficiency G-Type Heat Exchanger

The large capacity units use a high efficiency G-type heat exchanger which heat exchanger area is 1.5 times of the U-type heat exchanger.





7 Levels of Energy Management

For projects with temporary electricity supply restrictions, the outdoor unit supports 7 levels of energy management which can be set to output 40-100% capacity. It prevents tripping during electricity supply restriction conditions and remains system continue to operate.



HIGH RELIABILITY

Duty Cycling

Duty cycling equalizes the running time of the outdoor units in a multiple-unit system and of the compressors in each unit, significantly extending compressor lifespan.





Double Back-up Operation Compressor backup

In units with two compressors, if one compressor fails, the other compressor can run on its own for up to 4 days, allowing time for maintenance or repair whilst maintaining comfort.



Unit backup

In a multi-unit system, if one module fails, the other modules provide backup so that the system can continue operating.



Precise Oil Control Technology

Four stages of oil control technology ensure all outdoor compressor oil is always kept at a safe level, eliminating any compressor oil shortage problems.

- Compressor internal oil separation.
- High-efficiency centrifugal oil separator (with separation efficiency of up to 99%) ensures that oil is separated from the discharge gas and returned to the compressors in a timely fashion.
- Oil balance pipes between compressors ensure even oil distribution to keep compressors running normally.
- Auto oil return program monitors the running time and system status to ensure reliable oil return.



Refrigerant Cooling PCB

The unit uses refrigerant cooling technology to cool the electric control box. It decreases the average temperature of electrical control components by about 8 degrees, guaranteeing the stable and safe running of the control system.



Real-time Refrigerant Amount Monitoring

The temperature and pressure of refrigerant can be real-time monitored by the outdoor unit. When the level of refrigerant is too low or too high, this can cause damage to the unit and poor performance. The unit can detect excessive or insufficient amounts of refrigerant, to ensure consistent performance.



Auto Snow-blowing Function

The innovatively designed auto snow-blowing function enables the outdoor unit to prevent the accumulation of snow by itself.



Dust-clean function

The innovatively designed dust-clean function enables the outdoor unit to prevent the dust by itself.



Outdoor Units

Anti-corrosion Protection

Outdoor units are given anti-corrosion treatment for non-extreme conditions as standard and can also be customized with heavy anti-corrosion treatment on main components for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful life. The integrity of the anti-corrosion treatment is ensured by subjecting major components and parts to salt mist testing, moisture and heating testing and light aging testing.



01 Screws / bolts / gaskets Standard products: 300h of neutral salt mist Heavy anti-corrosion products: 720h of neutral salt mist



02 Fan motor

Standard products: 96h of neutral salt mist for IDU 168h of neutral salt mist for ODU Heavy anti-corrosion products: 1000h of neutral salt mist for ODU



03 Electric control box case Standard products: 96h of neutral salt mist Heavy anti-corrosion products: 500h of neutral salt mist

Outdoor Unit can resist 27 years of simulated severe corrosion under a salt contaminated traffic environment



04 Heat exchanger aluminum foil Standard products: 200h of neutral salt mist Heavy anti-corrosion products: 1000h of neutral salt mist 140h of acid salt mis Heat exchanger copper pipe Standard products: 24h of neutral salt mist

> Heavy anti-corrosion products: 48h of neutral salt mist for IDU 150h of neutral salt mist for ODU



05 Painted sheet metal Standard products: 500h of neutral salt mist 1000h of moisture and heating test 500h of light aging test

> Heavy anti-corrosion products: 800h of neutral salt mist 2000h of moisture and heating test 800h of light aging test

UL Anti-Corrosion Certificate

It has been certified by UL that our VRF outdoor unit can withstand 27 years of simulated severe corrosion under a salt contaminated traffic environment.

WIDE CAPACITY RANGE

Wide Capacity Range

Midea VRF has an extensive capacity ranging from 2.5HP to 96HP, meeting all customer requirements from small to large buildings.



Wide Product Portfolio

Midea VRF supplies a wide product portfolio including air cooled heat pump VRF, Air cooled heat recovery VRF, air cooled cooling only VRF and water cooled VRF to meet the needs of various application scenarios in the market.



Wide Range of Indoor Units

Midea provides 12 types and more 100 models of VRF indoor units to meet varied customer requirements in a wide range of locations including offices, shopping malls, hospitals and airports.



Wide Operation Range

The VRF system operates stably under extreme conditions, ranging from minus -25°C to 48°C.



Note: the operating temperature range of different series may a little different. Please refer to the specification of each series.

ENHANCED COMFORT

Advanced Silent Technology

4 night silent modes, 3 silent modes and 4 super silent modes selections, provide more freedom and convenience to match the customer needs.



 In night silent mode and silent mode, only maximum fan speed is limited to meet the normal silent requirement.



 In super silent mode, both maximum fan speed and compressor frequency are limited to meet higher silent requirement.

The night silent mode feature, which is easily configured on the outdoor unit's PCB, includes various scheduling options that can be used to reduce noise levels at times when low noise operation is required.



Outdoor Units

29

Enhanced Heating Capacity

Thanks to the EVI compressor, the heating capacity can be improved greatly. Heating capacity is 100% of rated capacity at ambient temperatures as low as -5°C and 90% of rated capacity at -15°C.

120% 100% 80% 60% 40% 20%

Intelligent Defrosting Technology

The intelligent defrosting program calculates the time required for defrosting according to the actual system status, eliminating heat losses from unnecessary defrosting. A specialized defrosting valve reduces time required for defrosting to as little at four minutes.



Multiple Priority Modes

Multiple priority modes settings, provide more freedom and convenience to match the customer needs.



VIP/Vote priority

Cooling only

EASY INSTALLATION AND SERVICE

Auto Addressing

Outdoor units can distribute addresses to indoor units automatically. Remote and wired controllers can be used to query or modify each indoor unit's address.



Automatic Refrigerant Charging

Automatic refrigerant charging makes installation and service easier and more efficient.



Automatic Refrigerant Recycling

The refrigerant can recycle to ODUs or IDUs and normal ODUs. Two recycling ways make the maintenance easier and more efficient.



Refrigerant recycle to IDUs and normal ODUs

Multi-Functional Diagnosis Box

An multi-functional diagnosis box can be installed on the unit's side columns, enabling installation and service engineers to activate Auto-commissioning or check the operating status without removing the front panel. It can also perform automatic data backup of a maximum of 30 sets of error data.



Note: some units are equipped as standard; some units need to customize.

Maintenance Mode

The unit has maintenance mode which allows the shutdown of some indoor units without shutting down the whole VRF system, the maintenance mode can be activated on site during maintenance period as the remaining indoor units continue to operate.



Oil Balance pipe not required

With the new oil management system, there is no need of oil balance pipe.



Triple Configurations

Triple (local/remote/network) configurations greatly simplified installation, commissioning and servicing.

- Field local configuration achieves guick and easy on-site settings, simplifies installation and commissioning.
- System checking and settings also can be easily achieved via wired and centralized controller, making the configuration more flexible and convenient.
- A desktop or laptop PC can be used for browser-based access to achieve system configurations through IMM Pro gateway via a LAN connection.





4 or 3 digit 7-segment display can easy read out of system check information and error code for guick and accurate inspection and diagnosis of the system.



High External Static Pressure

The static pressure of the outdoor unit can be up to 120Pa which facilitates installation of the unit on each floor of high-rise building or on balconies.



Midea Unified Branch Piping

The unified Midea branch piping system is especially designed for simple installation and it also has specifically been designed to optimize refrigerant flow.



Note: Indoor branch box is only available for Mini VRF Series.

Indoor Units VRF indoor units



100% fresh air supply

Ventilation Heat recovery ventilator (HRV)



AHU Connection Kit Connect to Midea or third party DX AHU



羔

Control Systems Smart control systems



VRF V6 Series Heat Pump

Optimized design for small to large buildings

itom

Wide Capacity Range

Starting at 8HP, capacity increases in 2HP increments up to 96HP, which is the world's largest single-system VRF capacity.















Wide Operating Temperature Range

The V6 VRF can operate stably in a wide ambient temperature range: from -5°C (-15°C*) to 48°C in cooling mode and from -25°C to 24°C in heating mode. * Cooling operation at -15°C is available as a customization option.





Long Piping Capability

Piping length	Capability (m)
Total piping length	1000
Longest piping length-actual (equivalent)	175 (200)
Longest piping length after first branch	40/90*
Largest level difference between IDUs and ODU-ODU up (down)	90 (110)
Largest level difference between IDUs	30

*The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please contact your local dealer for further information.



Outdoor Units

VRF V6 Series - Heat Pump

380~415V, 3N, 50Hz

Capacity		HP	8	10	12	14
Model			MV6-252WV2GN1-E	MV6-280WV2GN1-E	MV6-335WV2GN1-E	MV6-400WV2GN1-E
Power supply		V/N/Hz		380-41	5/3/50	
	Capacity	kW	25.2	28.0	33.5	40.0
- aaliaa ¹	capacity	kBut/h	86.0	95.5	114.3	136.5
Cooling	Power input	kW	5.93	6.75	8.7	9.9
	FFR	kW/kW	4.25	415	3.85	4.05
		kW	25.2	28.0	33.5	40.0
	Capacity	kBut/b	86.0	05.5	11/13	136.5
Heating ² (Rated)	Downerinput	LAM/	4.02	55.5	6.6	130.3
	Fowerinput	KVV Laardaad	4.02	5,40	6.0	0.3
	CUP	KVV/KVV	5.23	5.13	5.10	4.70
	Capacity	KVV	27.0	31.5	37.5	45.0
Heating ² (May)		kBut/h	92.1	107.5	128.0	153.5
icuting (max)	Power input	kW	5.39	6.54	7.88	10.27
	COP	kW/kW	5.01	4.82	4.76	4.38
Connectable	Total capacity			50-130% of outc	loor unit capacity	
ndoor Unit	Max. quantity		13	16	20	23
_	Туре			DC ir	iverter	
_ompressors	Quantity				1	
	Type			ſ)C	
an motors	Oupotity				1	
anniotors	May FCD	Da		20 dofaultaire to 20	customization option	20 dofu ltura to 120 automination or
	IVIdX. ESP	Pa		20 delault; Up to 80	104	20 Genauli, up to 120 Custor nization op
Refrigerant	Type			K4	IUA	10
line	Factory charge	kg		11		13
-ibe	Liquid pipe	mm	0	12.7	Φ15.9	Φ15.9
connections ³	Gas pipe	mm	Φ.	25.4	Φ28.6	©31.8
Airflow rate		m³/h		11000		13000
Sound pressure le	evel ⁴	dB(A)		58	60	62
Sound power lev	el	dB(A)		78	81	85
vet dimensions ((VxHxD)	mm		990×1635×790		1340×1635×850
Packed dimension	ns (WxHxD)	mm		1090×1805×860		1405×1805×010
let weight	13 (11/11/10)	ka		227		277
Storr woight		kg		242		2//
Ambient temp	Cooline	Kg 0 =		242	a 49	504
Ambient temp.	Cooling	-C		-51	0.46	
operating range	Heating	-(-23	10 24	
Canacity		НР	16	18	20	22
Model			MV6 450MA/2GN1 E	MV6 500W0/2CN1 E	MV6 560M0/2GN1 E	MV6.615W0/2CN1 E
Power supply		V/NI/Liz	1010 450002GITT E	380-4	15/3/50	MINO OTSWIZGITTE
rower supply	1	V/IN/IIZ	45.0	500 4	560	615
	Connecitu	KVV	45.0	30.0	50.0	200.0
	Capacity			170.0	191.1	209.0
Coolina ¹		kBut/h	153.5	40.5	15.4	40.4
Cooling ¹	Power input	kBut/h kW	153.5	12.5	15.1	18.4
Cooling ¹	Power input EER	kBut/h kW kW/kW	153.5 12.0 3.75	12.5 4.00	15.1 3.70	18.4 3.35
Cooling ¹	Power input EER	kBut/h kW kW/kW kW	153.5 12.0 3.75 45.0	12.5 4.00 50.0	15.1 3.70 56.0	18.4 3.35 61.5
Cooling ¹	Power input EER Capacity	kBut/h kW kW/kW kW kBut/h	153.5 12.0 3.75 45.0 153.5	12.5 4.00 50.0 170.6	15.1 3.70 56.0 191.1	18.4 3.35 61.5 209.8
Cooling ¹ Heating ² (Rated)	Power input EER Capacity Power input	kBut/h kW kW/kW kBut/h kW	12.0 3.75 45.0 153.5 9.8	12.5 4.00 50.0 170.6 10.6	15.1 3.70 56.0 191.1 12.7	18.4 3.35 61.5 209.8 15.0
Cooling ¹ Heating ² (Rated)	Power input EER Capacity Power input COP	kBut/h kW kW/kW kBut/h kW kW/kW	153.5 12.0 3.75 45.0 153.5 9.8 4.60	12.5 4.00 50.0 170.6 10.6 4.70	15.1 3.70 56.0 191.1 12.7 4.40	18.4 3.35 61.5 209.8 15.0 4.10
Cooling ¹ Heating ² (Rated)	Power input EER Capacity Power input COP	kBut/h kW kW/kW kBut/h kW kW/kW kW/kW	153.5 12.0 3.75 45.0 153.5 9.8 4.60 50.0	12.5 4.00 50.0 170.6 10.6 4.70 56.0	15.1 3.70 56.0 191.1 12.7 4.40 63.0	18.4 3.35 61.5 209.8 15.0 4.10 69.0
Cooling ¹ Heating ² (Rated)	Power input EER Capacity Power input COP Capacity	kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kBut/b	1535 120 3.75 450 153.5 98 4.60 500 170.6	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1	15.1 3.70 56.0 191.1 12.7 4.40 63.0 2150	18.4 3.35 61.5 209.8 15.0 4.10 69.0 235.4
Cooling ¹ Heating ² (Rated) Heating ² (Max)	Power input EER Capacity Power input COP Capacity Power input	kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kBut/h kW	153.5 12.0 3.75 45.0 153.5 9.8 4.60 500 170.6 11.76	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84	15.1 3.70 56.0 191.1 12.7 4.40 63.0 215.0 15.20	18.4 3.35 61.5 209.8 15.0 4.10 69.0 235.4 17.78
Cooling ¹ Heating ² (Rated) Heating ² (Max)	Power input EER Capacity Power input COP Capacity Power input	kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kBut/h kW kBut/h	1535 120 3,75 450 1535 9,8 4,60 500 170.6 11,76 4,35	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.26	15.1 3.70 56.0 191.1 12.7 4.40 63.0 215.0 15.29 4.12	18.4 3.35 61.5 209.8 15.0 4.10 69.0 235.4 17.78 2.99
Cooling ¹ Heating ² (Rated) Heating ² (Max)	Power input EER Capacity Power input COP Capacity Power input COP	kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kBut/h kW kW/kW	1535 120 3.75 45.0 1535 9.8 4.60 500 170.6 11.76 4.25	12.5 4.00 5.0.0 170.6 10.6 4.70 5.60 191.1 12.84 4.36 5.0 130% of out	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 4.12	18.4 3.35 61.5 209.8 15.0 4.10 69.0 235.4 17.78 3.88
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max quantific	kBut/h kW/kW kW/kW kBut/h kW/kW kW/kW kBut/h kW kW/kW	1535 120 3.75 450 1535 9.8 4.60 500 170.6 11.76 4.25	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of outo	15.1 3.70 560 191.1 12.7 4.40 630 2150 15.29 4.12 toor unit capacity 22	184 3.35 61.5 209.8 15.0 4.10 69.0 235.4 17.78 3.88
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max quantity	kBut/h kW/kW kW/kW kBut/h kW kW/kW kBut/h kW kW/kW	1535 120 375 450 1535 98 460 500 170.6 11.76 4.25 26	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 Joor unit capacity 33	184 3.35 61.5 2098 15.0 4.10 69.0 225.4 17.78 3.88 36
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Max. quantity	kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kBut/h kW kW/kW	1535 120 3.75 450 1535 9.8 4.60 500 170.6 11.76 4.25 26	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC in	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 Joor unit capacity 33 vverter	184 3.35 61.5 2098 15.0 4.10 69.0 235.4 17.78 3.88
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity	kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kBut/h kW kBut/h kW kW/kW	1535 120 375 450 1535 98 460 500 170.6 11.76 4.25 26 1	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC in	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 Joor unit capacity 33 vverter 2	184 3.35 61.5 209.8 15.0 4.10 69.0 235.4 17.78 3.88 36
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type	kBut/h kW/ kW/kW kBut/h kW/ kW/kW kBut/h kW/ kW/kW	1535 120 3.75 450 153.5 98 4.60 500 170.6 11.76 4.25 26 1	12.5 4.00 50.0 170.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC in	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 Joor unit capacity 33 werter 2 XC	184 3.35 61.5 2098 15.0 410 69.0 235.4 17.78 3.88 36
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity	kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kW/kW kBut/h kW kW/kW	1535 120 375 450 1535 98 460 500 1706 11.76 4.25 26 1	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of outo 29 DC li	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 Joor unit capacity 33 vverter 2 2 2 2	184 3.35 61.5 2098 15.0 4.10 69.0 225.4 17.78 3.88 36
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Type Quantity Max. ESP	kBut/h kW kW kW kW kW kW kW kW kW kW kW kW kW	1535 120 3.75 45.0 1535 9.8 4.60 500 170.6 11.76 4.25 26 1 1	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC li	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 Joor unit capacity 33 werter 2 DC 2 customization option	184 3.35 61.5 209.8 15.0 4.10 69.0 235.4 17.78 3.88
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type	kBut/h kW kW kW/kW kW/kW kW/kW kW/kW kBut/h kW kW/kW kW/kW	1535 120 375 450 1535 98 460 500 1706 1176 425 26 1 1	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of outo 29 DC in 20 default; up to 122 82	15.1 3.70 56.0 191.1 12.7 4.40 63.0 215.0 15.29 4.12 door unit capacity verter 2 DC 2 0customization option 10A	18.4 3.35 61.5 209.8 15.0 4.10 69.0 225.4 17.78 3.88 36
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Eactory charge	kBut/h kW kW kW kW kW kW kW kW kW kW kW kW kW	1535 120 375 450 1535 98 460 500 1706 1176 425 26 1 1	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC li 20 default; up to 120 R4	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 door unit capacity 33 werter 2 customization option 10A 17	184 3.35 61.5 209.8 15.0 4.10 69.0 235.4 17.78 3.88
Cooling ³ Heating ² (Rated) Heating ² (Max) Connectable ndoor Unit Compressors Fan motors Refrigerant Pine	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max quantity Type Quantity Type Quantity Max.ESP Type Factory charge Luodo Ariege	kBut/h kW/kW kW/kW kW/kW kW kW/kW kW/kW kW/kW kW/kW kW/kW	1535 120 375 450 1535 98 460 500 1706 1176 425 26 1 1 1	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of outo 29 DC in DC in 20 default; up to 120 R4	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 door unit capacity 33 verter 2 DC 2 0 customization option 10A 17 001.1 10 10 10 10 10 10 10 10 10 1	18.4 3.35 61.5 209.8 15.0 4.10 69.0 225.4 17.78 3.88 36
	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max, quantity Type Quantity Type Quantity Max, ESP Type Factory charge Liquid pipe	kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW	1535 120 3.75 450 1535 9.8 4.60 500 170.6 11.76 4.25 26 1 1 1 1 1 13 015.9	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC li 20 default; up to 120 R4	15.1 3.70 560 191.1 12.7 4.40 6.3.0 2150 15.29 4.12 Joor unit capacity 33 nverter 2 DC 2 0 customization option 10A 17 019.1 02.2	184 335 61.5 209.8 15.0 4.10 69.0 235.4 17.78 3.88
Cooling ³ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Refrigerant Pipe connections ³	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Factory charge Liquid pipe Gas pipe	kBut/h kW kW/kW kBut/h kW kW kW/kW kW kW/kW kW/kW kW/kW kW/kW	1535 120 3.75 450 1535 98 460 500 170.6 11.76 4.25 26 1 1 1 1 1 1 1 1 1 3 015.9 031.8	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of outo 29 DC ii 20 default; up to 120 Rd	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 door unit capacity 33 overter 2 DC 2 0customization option 10A 17 Φ19.1 Φ31.8	18.4 3.35 61.5 209.8 15.0 4.10 69.0 225.4 17.78 3.88 36
Cooling ³ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Refrigerant Pipe connections ³ Airflow rate	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe	kBut/h kW kW/kW kBut/h kW kW/kW kBut/h kW kBut/h kW kW/kW kBut/h kW/kW	1535 120 375 450 1535 98 460 500 170.6 11.76 4.25 26 1 1 1 1 1 1 1 1 1 3 015.9 031.8 13000	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC h 20 default; up to 120 R4	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 Joor unit capacity 33 nverter 2 DC 2 0 customization option 10A 17 Φ31.8 17000	184 335 61.5 209.8 15.0 4.10 69.0 235.4 17.78 3.88
Cooling ³ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure le	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Factory charge Liquid pipe Gas pipe evel ⁴	kBut/h kW kW/kW kBut/h kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	1535 120 3.75 450 1535 9.8 4.60 500 170.6 11.76 4.25 26 1 1 1 1 1 1 1 1 015.9 031.8 13000	12.5 4.00 50.0 170.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC in 20 default; up to 120 Rd	15.1 3.70 560 191.1 12.7 4.40 6.30 2150 15.29 4.12 Joor unit capacity 3.3 Inverter 2 DC 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 0 15.29 15.29 15.29 15.29 15.29 15.29 15.20 15.29 15.20 15.29 15.20 15.29 15.20 10 10 10 10 10 10 10 10 10 1	18.4 3.35 61.5 209.8 15.0 4.10 69.0 235.4 17.78 3.88 36
Cooling ³ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Fan motors Airflow rate Sound pressure Ie Sound pressure Ie	Capacity Power input EER Capacity Power input COP Copacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Factory charge Liquid pipe Gas pipe evel ⁴ el	kBut/h kW kW/kW/kW kBut/h kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kBut/h kW/kW kW/	1533 120 375 450 1535 98 460 500 170.6 11.76 4.25 26 1 1 1 1 1 1 1 1 3 015.9 0318 13000	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC ii 20 default; up to 120 Rd	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 door unit capacity 33 nverter 2 DC 2 0 customization option 10A 17 Φ19.1 031.8 17000 88	184 335 61.5 209.8 15.0 4.10 69.0 235.4 17.78 388 36
Cooling ³ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure la Sound power leves fan the source of the source	Capacity Power input EER Capacity Power input COP Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe evel ⁴ el WixHxD)	kBut/h kW kWkW kW/kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kBut/h kW kW kBut/h kW kW/kW	1535 120 3.75 450 1535 9.8 4.60 500 170.6 11.76 4.25 26 1 1 1 1 13 015.9 031.8 13000	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC in 20 default; up to 120 R4	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 door unit capacity 33 overter 2 CC 2 Ocustomization option 10A 17 019.1 031.8 17000 88 1340×1635×825	184 335 615 2098 150 410 690 2354 17.78 388 36 66
Cooling ³ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Fan motors Airflow rate Sound pressure In Sound pressure In Sound pressure In Sound pressure In Sound pressure In Packed dimensions (Contentional Net dimensions (Contentional)	Capacity Power input EER Capacity Power input COP Copacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Gas pipe Gas pipe evel ⁴ el WxHxD) ms. (WXHXD)	kBut/h kW kW/kW kBut/h kBut/h kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kBut/h kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW kW/kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/k	153.5 12.0 3.75 45.0 153.5 9.8 4.60 50.0 170.6 11.76 4.25 26 1 1 1 1 1 13 015.9 031.8 13000	12.5 4.00 50.0 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC ii 20 default; up to 122 84 65	15.1 3.70 560 191.1 12.7 4.40 6.3.0 215.0 15.29 4.12 Journal Capacity 4.12 Journal Capacity 2 0 customization option 10A 17 019.1 031.8 17000 1340×1635×825 88 1340×1635×825	18.4 3.35 61.5 209.8 15.0 4.10 69.0 235.4 17.78 3.88
Cooling ³ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure le Sound power lew Facked dimensions (Packed dimensions)	Capacity Power input EER Capacity Power input COP Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe evel ⁴ el WxHxD) ns (WxHxD)	kBut/h kW kW/kW/kW kW/kW kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kBut/h kW kW/kW kW kW/kW kW kW/kW kW/kW kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW/kW kW/kW kW/kW kW/kW kW/kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW/kW kW/kW/kW kW/kW/kW kW kW kW kW kW kW kW kW kW kW kW k	1535 120 3.75 450 1535 9.8 4.60 500 1706 11.76 4.25 26 1 1 1 1 13 015.9 031.8 13000 1340x1635x850	12.5 4.00 50.0 170.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC in 20 default; up to 120 R4	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 Joor unit capacity 33 overter 2 CC 2 Ocustomization option 10A 17 019.1 031.8 170000 88 1340×1635×825 805×910 248	184 335 61.5 2098 15.0 410 69.0 235.4 17.78 388
Cooling ³ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Fan motors Fan motors Airflow rate Sound pressure I Sound Pressure I So	Capacity Power input EER Capacity Power input COP Copacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Factory charge Liquid pipe Gas pipe evel ⁴ el WxHxD) ns (WxHxD)	kBut/h kW kW/kW/kW kBut/h kW/kW kW kW kW kW kW kW kW kW kW kW kW kW k	153.5 12.0 3.75 45.0 153.5 9.8 4.60 50.0 170.6 11.76 4.25 26 1 1 1 1 1 13 015.9 031.8 13000 1340x1635x850 277 201	12.5 4.00 500 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC ii 20 default; up to 120 Rd 65	15.1 3.70 560 191.1 12.7 4.40 6.3.0 215.0 15.29 4.12 door unit capacity 4.12 door unit capacity 2 0 customization option 10A 17 019.1 031.8 17000 1340×1635×825 88 1340×1635×825 805×910 348 269	184 335 61.5 209.8 15.0 4.10 69.0 235.4 17.78 3.88 36
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure le Sound power lew Ret dimensions (Packed dimensions) Ret dimensions (Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe evel ⁴ el WxHxD) ns (WxHxD)	kBut/h kW kW/kW/kW kW kW kW kW/kW kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/k	1535 120 3.75 450 1535 9.8 4.60 500 1706 11.76 4.25 26 1 1 1 1 13 015.9 031.8 13000 1340x1635x850 277 304	12.5 4.00 50.0 170.6 4.70 56.0 191.1 12.84 4.36 50-130% of out 29 DC in 20 default; up to 120 R4 65	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 Joor unit capacity 33 overter 2 Oc sustomization option 10A 17 031.8 1340×1635×825 88 1340×1635×825 88 368 42	184 3.35 61.5 2098 15.0 4.10 690 235,4 17.78 3.88
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure It Sound pressure It Sound pressure It Sound pressure It Sound pressure It Sound pressure It Sound pressure It Arbiten temp.	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max quantity Type Quantity Type Quantity Max ESP Type Factory charge Liquid pipe Gas pipe evel ⁴ evel ⁴ Ecoling Cooling Cooling	kBut/h kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW/kW kW/kW/kW/kW kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/kW/k	1533 120 375 450 1535 9.8 460 500 170.6 11.76 4.25 26 1 1 1 1 1 1 1 1 1 1 1 1 3 015.9 031.8 13000 1340×1635×850 277 304	12.5 4.00 500 170.6 10.6 4.70 56.0 191.1 12.84 4.36 50-130% of outo 29 DC in 20 default; up to 120 Rd 65 1405x1 	15.1 3.70 560 191.1 12.7 4.40 63.0 215.0 15.29 4.12 door unit capacity	184 3.35 61.5 209.8 15.0 4.10 69.0 235.4 17.78 3.88 36

Notes:

 Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Diameters given are those of the unit's stop valves. 4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

VRF V6 Series - Heat Pump

380~415V, 3N, 50Hz

Capacity		HP	24	26	28
Model			MV6-670WV2GN1-E	MV6-730WV2GN1-E	MV6-785WV2GN1-E
Power supply		V/N/Hz		380-415/3/50	
· • · · • · • • • • • • • • • • • • • •		kW	67.0	73.0	78.5
1	Capacity	kBut/h	2286	249.1	267.8
Cooling	Power input	LW/	18.1	20.0	207.0
	Fowerinput	LAACLAAC	2.70	20.5	24.2
	EER	KVV/KVV	5.70	5.49	3.23
	Capacity	KVV	67.0	/3.0	/8.5
Heating ² (Rated)		kBut/h	228.6	249.1	267.8
	Power input	kW	15.33	18.11	21.16
	COP	kW/kW	4.37	4.03	3.71
	Canacity	kW	75.0	81.5	87.5
Lippting (May)	Capacity	kBut/h	255.9	278.1	298.6
Heating" (Max)	Power input	kW	18.56	21.68	26.04
	COP	kW/kW	4.04	3.76	3.36
Connectable	Total capacity			50-130% of outdoor unit capacity	
Indoor Unit	Max quantity		39	43	46
	Type		333	DC inverter	10
Compressors	Ouantity			2	
	Quantity			2 DC	
-	Туре			DL	
Fan motors	Quantity			2	
	Max. ESP	Pa		20 default; up to 120 customization option	
Refrigerant	Type			R410A	
gerant	Factory charge	kg		22	
Pipe	Liquid pipe	mm	Ø19.1	Φ2	2.2
connections ³	Gas pipe	mm	Φ31.8	Φ3	1.8
Airflow rate		m³/h		25000	
Sound pressure le	avel ⁴	dB(A)	67	e	68
Sound power leve	el	dB(A)	89	(0
Net dimensions ()	MyHyD)	mm	0,5	1730 × 1830 × 850	-
Packed dimonsion				1900×2000×010	
Packed dimension	IIS (VVXI IXD)	- Inn		1000/2000/910	
Net weight		кд		430	
Gross weight		kg		453	
Ambient temp.	Cooling	°C		-5 to 48	
operating range	Heating	°C		-25 to 24	
Canacity		HP	30		32
сарасну					MV/6_QQQQAV/2/_N11_F
Model			MV6-850WV2GN1-E		11110 J0011120111 E
Model Power supply		V/N/Hz	MV6-850WV2GN1-E	380-415/3/50	INVO JOONVZGITTE
Model Power supply	Capacity	V/N/Hz kW	MV6-850WV2GN1-E 85.0	380-415/3/50	90.0
Model Power supply Cooling ¹	Capacity	V/N/Hz kW kBut/h	MV6-850WV2GN1-E 85.0 290.0	380-415/3/50	90.0 307.1
Model Power supply Cooling ¹	Capacity Power input	V/N/Hz kW kBut/h kW	MV6-850WV2GN1-E 85.0 290.0 27.4	380-415/3/50	90.0 307.1 31.0
Model Power supply Cooling ¹	Capacity Power input EER	V/N/Hz kW kBut/h kW kW/kW	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10	380-415/3/50	90.0 307.1 31.0 2.90
Model Power supply Cooling ¹	Capacity Power input EER	V/N/Hz kW kBut/h kW kW/kW kW/kW	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10 85.0	380-415/3/50	90.0 307.1 31.0 2.90 90.0
Cooling ¹	Capacity Power input EER Capacity	V/N/Hz kW kBut/h kW kW/kW kW	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10 85.0 290.0	380-415/3/50	90.0 307.1 31.0 2.90 90.0 307.1
Model Power supply Cooling ¹ Heating ² (Rated)	Capacity Power input EER Capacity Power input	V/N/Hz kW kBut/h kW kW/kW kW/kW kBut/h kW	MV6-8500W2GN1-E 850 290.0 27.4 3.10 85.0 290.0 7.7 9	380-415/3/50	90.0 307.1 31.0 90.0 90.0 307.1 57.7
Model Power supply Cooling ¹ Heating ² (Rated)	Capacity Power input EER Capacity Power input COP	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW	MV6-850WV2GN1-E 850 2900 27.4 3.10 85.0 2900 22.9 3.71	380-415/3/50	900 307.1 31.0 2.90 90.0 307.1 25.7 3.50
Model Power supply Cooling ¹ Heating ² (Rated)	Capacity Power input EER Capacity Power input COP	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW	MV6-8500W2GN1-E 850 2900 27.4 3.10 850 2900 22.9 3.71 06 6	380-415/3/50	900 307.1 310 290 900 307.1 25.7 3.50 1000
Model Power supply Cooling ¹ Heating ² (Rated)	Capacity Power input EER Capacity Power input COP Capacity	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kBut/h	MV6-8500W2GN1-E 850 2900 27.4 3.10 850 2900 22.9 3.71 950 25.4	380-415/3/50	900 307.1 31.0 2.90 90.0 307.1 2.5.7 3.50 100.0 241.2
Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max)	Capacity Power input EER Capacity Power input COP Capacity	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kBut/h	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 324.1	380-415/3/50	900 307.1 310 290 900 307.1 25.7 3.50 100.0 341.2
Kodel Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max)	Capacity Power input EER Capacity Power input COP Capacity Power input	V/N/Hz kW kBut/h kW kW/kW kBut/h kW/kW kW/kW kBut/h kW	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 334.1 27.78	380-415/3/50	90.0 307.1 31.0 2.90 90.0 307.1 25.7 3.50 100.0 341.2 30.67
Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max)	Capacity Power input EER Capacity Power input COP Capacity Power input COP	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW kBut/h kW kBut/h kW kBut/h	MV6-850WV2GN1-E 850 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 22.778 3.42	380-415/3/50	900 307.1 310 2.90 900 307.1 2.57 3.50 100.0 341.2 3.067 3.26
Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW kBut/h kW kBut/h kW kBut/h kW	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 27.78 3.42	380-415/3/50	900 307.1 31.0 2.90 900 307.1 25.7 3.50 1000 341.2 30.67 3.26
Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kBut/h kW kW/kW	MV6-850WV2GN1-E 850 2900 27.4 3.10 85.0 2900 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 900 307.1 2.5.7 3.50 100.0 341.2 3.67 3.26 53
Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type	V/N/Hz kW kBut/h kW kW/kW kBut/h kBut/h kBut/h kBut/h kW kBut/h kW	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 900 307.1 2.5.7 3.50 100.0 341.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors	Capacity Power input EER Capacity Power input COP Cop Total capacity Max. quantity Type Quantity	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	MV6-8500W2GN1-E 850 2900 27.4 3.10 850 2900 22.9 3.71 950 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 90.0 307.1 2.5.7 3.50 100.0 341.2 30.67 3.26 53
Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max quantity Type Quantity Type	V/N/Hz kW kBut/h kW kW/kW kW/kW kBut/h kW/kW kW/kW kW/kW	MV6-850WV2GN1-E 850 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 900 307.1 2.5.7 3.50 100.0 341.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors	Capacity Power input EER Capacity Power input COP Cope Cope Total capacity Max. quantity Type Quantity Type Ouantity	V/N/Hz kW kBut/h kW kW/kW kW/kW kBut/h kW kBut/h kW kW/kW	MV6-8500W2GN1-E 850 2900 27.4 3.10 850 2900 22.9 3.71 950 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 90.0 307.1 2.5.7 3.50 100.0 34.1.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors	Capacity Power input EER Capacity Power input COP Copacity Power input COP Total capacity Max, quantify Type Quantify Type Quantify Max ECP	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	MV6-850WV2GN1-E 850 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 310 290 900 307.1 25.7 3.50 100.0 341.2 30.67 3.26 53
Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 334.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 90.0 307.1 2.57 3.50 100.0 341.2 30.67 3.26 53
Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Type Type	V/N/Hz kW kBut/h kW kW kW/kW kW kW/kW kW/kW kW/kW kBut/h kW kBut/h kW kW/kW	MV6-850WV2GN1-E 850 2900 27.4 3.10 850 2900 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 310 290 900 307.1 25.7 3.50 100.0 341.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Bea	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Factory charge	V/NV/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW kBut/h kW kW/kW kBut/h kW kW/kW kBut/h kW kBut/h kW kBut/h kW	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 900 307.1 25.7 3.50 1000 341.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe	Capacity Power input EER Capacity Power input COP Total capacity Power input COP Total capacity Max. quantity Type Quantity Type Pactory charge Liquid pipe	V/N/Hz kW kBut/h kW kW kW kW kW kW kW kW kW kW kW kW kW	MV6-8500W2GN1-E 850 2900 27.4 3.10 850 2900 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 310 290 900 307.1 25.7 3.50 100.0 341.2 3.067 3.326 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe connections ³	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Factory charge Liquid pipe Gas pipe	V/NV/Hz kW kBut/h kW kW/kW kW/kW kBut/h kW kBut/h kW kBut/h kW kBut/h kW kBut/h kW kBut/h kW kBut/h kW kBut/h kW kBut/h kW kBut/h	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 290 900 307.1 25.7 3.50 100.0 341.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe connections ³ Airflow rate	Capacity Power input EER Capacity Power input COP Cop Total capacity Max. quantity Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe	V/N/Hz kW kBut/h kW/kW kW/kW kBut/h kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	MV6-850WV2GN1-E 850 2900 27.4 3.10 850 2900 22.9 3.71 950 324.1 27.78 3.42 50	380-415/3/50	900 307.1 310 2.90 900 307.1 2.5.7 3.50 100.0 341.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure le	Capacity Power input EER Capacity Power input COP Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. SP Type Factory charge Liquid pipe Gas pipe vel ⁴	V/NV/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	MV6-8500W/2GN1-E 85:0 290:0 27:4 3.10 85:0 290:0 22:9 3.71 95:0 32:4.1 27:78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 900 307.1 2.5.7 3.50 100.0 341.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe Connections ³ Ariflow rate Sound pressure les S	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe evel ⁴	V/N/Hz kW kBut/h kW kW/kW kW kW/kW/kW kW kW/kW kW kW kW/kW kW kW kW kW kW kW kW kW kW kW kW kW k	MV6-850WV2GN1-E 850 2900 27.4 3.10 85.0 290.0 22.9 3.71 95.0 3.24.1 27.78 3.42 50	380-415/3/50	900 307.1 310 2.90 900 307.1 2.5.7 3.50 100.0 341.2 3.067 3.26
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure le Sound pressure le	Capacity Power input EER Capacity Power input COP Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Factory charge Liquid pipe Gas pipe evel ⁴ el Mother Notest Statest Sta	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	MV6-850WV2GN1-E 850 2900 27.4 3.10 850 2900 22.9 3.71 950 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 900 307.1 2.5.7 3.50 100.0 341.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Refrigerant Pipe connections ³ Arflow rate Sound pressure le Sound pressure le Sound pressure le Sound pressure le	Capacity Power input EER Capacity Power input COP Cope Cope Cope Total capacity Max. quantity Type Quantity Max. ESP Type Gas pipe Gas pipe evel ⁴ el WxHxD) ns. (WxHXD)	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kBut/h kW/kW kW/kW kBut/h kBut/h kBut/h kBut/h kBut/h kW kBut/h kBut/	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 90.0 307.1 25.7 3.50 100.0 341.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure le Sound power leve (N Packed dimension Matawalak	Capacity Power input EER Capacity Power input COP Capacity Power input COP Capacity Power input COP Capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Factory charge Liquid pipe Gas pipe evel ⁴ el WxHxD) ns (WxHxD)	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	MV6-850WV2GN1-E 850 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 900 307.1 2.5.7 3.50 100.0 341.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure le Sound pressure le	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max quantity Type Quantity Type Quantity Max. ESP Type Factory charge Liquid pipe Gas pipe evel ⁴ el WxHxD) ns (WxHxD)	V/N/Hz kW kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kM kW/kW kW/kM kW/kM kW/kM kW/kM kW/kM kW/kM kW/kM kW kW/kM kW kW kW/kM kW kW kW kW kW kW kW kW kW kW kW kW kW	MV6-850WV2GN1-E 850 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 90.0 307.1 25.7 3.50 100.0 341.2 30.67 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure le Sound power levs Het dimension Net dimension Net weight	Capacity Power input EER Capacity Power input COP Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Factory charge Liquid pipe Gas pipe evel ⁴ el WxHxD) ns (WxHxD)	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/hz kW/hz kg kg	MV6-850WV2GN1-E 850 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 310 290 900 307.1 25.7 3.50 100.0 341.2 3067 3.26 53
Model Model Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Refrigerant Pipe Connectons ³ Airflow rate Sound pressure le Sound pressure le	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max quantity Type Quantity Type Quantity Max ESP Type Gas pipe evel ⁴ WKHxD) ns (WxHxD) Cooling	V/N/Hz kW kBut/h kW kW/kW kW kW/kW/kW kW kW kW kW kW kW kW kW kW kW kW kW k	MV6-850WV2GN1-E 85.0 290.0 27.4 3.10 85.0 290.0 22.9 3.71 95.0 324.1 27.78 3.42 50	380-415/3/50	900 307.1 31.0 2.90 90.0 307.1 2.5.7 3.50 100.0 341.2 30.67 3.26 53

Notes: 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

Diameters given are those of the unit's stop valves.
 Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

VRF V6 Series - Heat Pump

380~415V, 3N, 50Hz

Capacity		HP	34	36	38	40
Model			MV6-950WV2GN1-E	MV6-1015WV2GN1-E	MV6-1065WV2GN1-E	MV6-1120WV2GN1-E
Combination typ	e		12HP+22HP	14HP+22HP	16HP+22HP	12HP+28HP
Power supply		V/N/Hz		380-41	5/3/50	
Топстварріј		W/N/N/NZ	95.0	101.5	106.5	112.0
	Capacity	LRut/b	224.1	246.2	262.4	2021
Cooling ¹	Douver in put	Law	324.1	340.5	303.4	302.1
	Power input	KVV	27.1	28.2	30.4	32.9
	EEK	KWV/KW	3.51	3.59	3.51	3.41
	Capacity	kW	95.0	101.5	106.5	112.0
Heating ² (Rated)		kBut/h	324.1	346.3	363.4	382.1
nearing (narea)	Power input	kW	21.6	23.5	24.8	27.7
	COP	kW/kW	4.40	4.32	4.30	4.04
	Conocity	kW	106.5	114.0	119.0	125.0
Line and the Advert	Capacity	kBut/h	363.4	389.0	406.0	426.5
Heating ² (Max)	Power input	kW	25.66	28.06	29.55	33.92
	COP	kW/kW	415	4.06	4.03	3.69
Connectable	Total capacity			50-130% of outd	oor unit canacity	
ladoor Unit	Max guantity		56	50 150 % 61 0414	60	64
Indoor Unit	Tiviax. quantity		50	59	03	64
Compressors	Туре			DC Ir	lverter	
	Quantity				3	
	Туре				C	
Fan motors	Quantity				3	
	Max. ESP	Pa		20 default; up to 120	customization option	
D ()	Type			R4	10A .	
Retrigerant	Eactory charge	ka	11+17	13	+17	11+22
Pipe	Liquid pipe	mm		15	Φ191	11122
	Cas pipe		ψ19.1 Φ21.0		(17.1 (h20.1	
connections	loas pipe	mm	Ψ31.8 00000		Ψ38.1	26000
Airriow rate		m³/h	28000	30	000	36000
Sound pressure le	evel 4	dB(A)		6	59	
Sound power leve	el	dB(A)		9	91	
Net dimensions (WxHxD)	mm	(990×1635×790)+(1340×1635×825)	(1340×1635×850)	+(1340×1635×825)	(990×1635×790)+(1730×1830×850)
Packed dimension	ns (WxHxD)	mm	(1090×1805×860)+(1405×1805×910)	(1405×18	05×910)×2	(1090×1805×860)+(1800×2000×910)
Net weight		ka	227+348	277	+348	227+430
Gross weight		kg	2421269	304	+368	2421452
Ambient temp	Cooling	NG	2421500	501	0.49	2421433
Ambient temp.	Cooling	L C		-51	0.40	
operating range	Heating	-C		-23	10 24	
Capacity		ЦП	42	44	46	49
Madal		nr	4Z	44 MVK 1220MA/2CN1 E	40	40
			I IVIVO-II/3VVV/UNIVI-E I	IVIVO-1250VVV2GIN1-E	IVIVO-1263VVV2GIN1-E	IVIV0-1545WV2GIN1-E
Combination ton			20110 - 22110	2010 - 2010	22110 224110	2210.2210
Combination typ	e		20HP+22HP	22HP+22HP	22HP+24HP	22HP+26HP
Combination typ Power supply	e	V/N/Hz	20HP+22HP	22HP+22HP 380-41	22HP+24HP 5/3/50	22HP+26HP
Combination typ Power supply	Capacity	V/N/Hz kW	20HP+22HP 117.5	22HP+22HP 380-41 123.0	22HP+24HP 5/3/50 128.5	22HP+26HP 134.5
Combination typ Power supply	Capacity	V/N/Hz kW kBut/h	20HP+22HP 117.5 400.9	22HP+22HP 380-41 123.0 419.7	22HP+24HP 5/3/50 128.5 438.4	22HP+26HP 134.5 458.9
Combination typ Power supply Cooling ¹	Capacity Power input	V/N/Hz kW kBut/h kW	20HP+22HP 117.5 400.9 33.5	22HP+22HP 380-41 123.0 419.7 36.7	22HP+24HP 5/3/50 128.5 438.4 36.5	22HP+26HP 134.5 458.9 39.3
Combination typ Power supply Cooling ¹	Capacity Power input EER	V/N/Hz kW kBut/h kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51	22HP+22HP 380-41 123.0 419.7 36.7 3.35	22HP+24HP 5/3/50 128.5 438.4 36.5 3.52	22HP+26HP 134.5 458.9 39.3 3.43
Combination typ Power supply Cooling ¹	Capacity Power input EER	V/N/Hz kW kBut/h kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5	22HP+22HP 380-41 123.0 419.7 36.7 3.35 123.0	22HP+24HP 5/3/50 128.5 438.4 36.5 3.52 128.5	22HP+26HP 134.5 458.9 39.3 3.43 134.5
Combination typ Power supply Cooling ¹	Capacity Power input EER Capacity	V/N/Hz kW kBut/h kW kW/kW kW/kW kBut/h	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9	22HP+22HP 380-41 123.0 419.7 36.7 3.35 123.0 419.7	22HP+24HP 5/3/50 128.5 438.4 36.5 3.52 128.5 438.4	22HP+26HP 134.5 458.9 39.3 3.43 134.5 458.9
Combination typ Power supply Cooling ¹ Heating ² (Rated)	e Capacity Power input EER Capacity Power input	V/N/Hz kW kBut/h kW kW/kW kBut/h kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0	22HP+24HP 5/3/50 128.5 438.4 36.5 3.52 128.5 438.4 30.43	22HP+26HP 1345 4589 39.3 3.43 1345 458.9 33.21
Combination typ Power supply Cooling ¹ Heating ² (Rated)	Capacity Power input EER Capacity Power input	V/N/Hz kW kBut/h kW kW/kW kW kBut/h kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24	22HP+22HP 380-41 123.0 419.7 36.7 3.35 123.0 419.7 30.0 419.7	22HP+24HP 5/3/50 128.5 438.4 36.5 3.52 128.5 438.4 30.43 4.32	22HP+26HP 134.5 458.9 39.3 3.4.3 134.5 458.9 33.21 4.05
Combination typ Power supply Cooling ¹ Heating ² (Rated)	e Capacity Power input EER Capacity Power input COP	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 2.7.7 4.24 132.0 4.24	22HP+22HP 380-41 123.0 419.7 36.7 3.35 123.0 419.7 30.0 4.10 129.0	22HP+24HP 5/3/50 128.5 438.4 36.5 3.52 128.5 438.4 30.43 432.2 4422	22HP+26HP 134.5 458.9 39.3 134.5 458.9 33.21 40.5 150.5
Cooling ¹ Heating ² (Rated)	Capacity Power input EER Capacity Power input COP Capacity	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0	22HP+22HP 380-41 123.0 419.7 36.7 3.35 123.0 419.7 30.0 4.10 138.0 128.0 4.10	22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 438.4 30.43 438.4 30.43 4.22 144.0	22HP+26HP 134.5 458.9 39.3 134.5 458.9 33.21 4.05 150.5 150.5
Cooblination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max)	e Capacity Power input EER Capacity Power input COP Capacity	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW kBut/h	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4	22HP+22HP 380-41 1230 419.7 36.7 3.35 1230 419.7 30.0 410 138.0 470.9	22HP+24HP 5/3/50 1285 383 365 3.52 1285 438.4 30.43 422 144.0 491.3	22HP+26HP 134.5 458.9 39.3 134.5 458.9 33.21 405 150.5 513.5
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max)	e Capacity Power input EER Capacity Power input COP Capacity Power input	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kBut/h kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 3.307	22HP+22HP 380-41 123.0 419.7 36.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57	22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 438.4 30.43 422 144.0 491.3 36.35	22HP+26HP 1345 458.9 39.3 134.5 458.9 33.21 4.05 150.5 513.5 39.46
Cooling ¹ Heating ² (Rated) Heating ² (Max)	e Capacity Power input EER Capacity Power input COP Capacity Power input COP	V/N/Hz kW kBut/h kW/kW kW/kW kBut/h kW/kW kBut/h kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 3.67 3.99	22HP+22HP 380-41 1230 419.7 3.6.7 3.35 1230 419.7 30.0 410 138.0 470.9 35.57 3.88	22HP+24HP 5/3/50 1285 365 3.52 1285 438.4 30.43 438.4 438.4 30.43 4.22 144.0 491.3 36.35 3.96	22HP+26HP 134.5 458.9 39.3 134.5 458.9 33.21 405 150.5 513.5 33.41
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 3.307 3.99	22HP+22HP 380-41 123.0 419.7 3.67 3.35 123.0 419.7 3.00 419.7 3.00 419.7 3.00 410.7 138.0 470.9 35.57 3.88 50-130% of outd	22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 438.4 438.4 30.43 4.22 144.0 491.3 36.35 3.96 oor unit capacity	22HP+26HP 1345 458.9 39.3 1345 458.9 33.21 458.9 33.21 4.05 150.5 513.5 39.46 3.81
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 33.07 3.99	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 410.1 138.0 470.9 35.57 3.88 50-130% of out of	22HP+24HP 5/3/50 128.5 433.4 36.5 128.5 433.4 433.4 433.4 422 144.0 491.3 36.35 3.6.35 3.96 oor unit capacity 54	22HP+26HP 134.5 458.9 39.3 134.5 458.9 33.21 405 150.5 513.5 39.46 3.81
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type	V/N/Hz kW kBut/h kW kW/kW kW kW/kW kW kW/kW kBut/h kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 2.7 4.24 132.0 450.4 3.307 3.99	22HP+22HP 380-41 123.0 419.7 3.67 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd DD (c)	22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 438.4 438.4 30.43 4.22 144.0 491.3 36.35 3.96 cor unit capacity 54 yetter	22HP+26HP 1345 458.9 39.3 134.5 458.9 33.21 405 150.5 513.5 39.46 3.81
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Rated) Connectable Indoor Unit Compressors	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type	V/N/Hz kW kW/kW kW kW/kW kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 3.307 3.99	22HP+22HP 380-41 123.0 419.7 36.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd C DC in	22HP+24HP 5/3/50 128.5 433.4 36.5 3.5.2 128.5 433.4 433.4 422 144.0 491.3 36.35 3.96 oor unit capacity 54	22HP+26HP 134.5 458.9 39.3 134.5 458.9 33.21 4.05 150.5 513.5 39.46 3.81
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max, quantity Type Quantity	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 33.07 3.99	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd 0 DC in	22HP+24HP 5/3/50 128.5 3.6.5 3.52 128.5 4.38.4 3.6.5 1.28.5 4.38.4 4.30.43 4.22 1.44.0 4.91.3 3.6.35 3.96 oor unit capacity 54 wetter 4	22HP+26HP 1345 4589 393 1345 4589 3321 405 1505 513.5 39.46 3.81
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 3307 3.99	22HP+22HP 380-41 123.0 419.7 36.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd CC in	22HP+24HP 5/350 1285 438.4 365 352 1285 438.4 30.43 422 144.0 422 144.0 491.3 36.35 3.96 oor unit capacity 54 20 20 20 20 20 20 20 20 20 20 20 20 20	22HP+26HP 134.5 458.9 39.3 3.43 134.5 458.9 3.21 4.05 150.5 513.5 39.46 3.81
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity	V/N/Hz kW kBut/h kW kW/kW kW kW/kW kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 33.07 3.99	22HP+22HP 380-41 123.0 419.7 3.67 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd C in C in	22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 128.5 438.4 30.43 422 144.0 491.3 36.35 3.96 oor unit capacity 54 wetter 4 20 20 20 20 20 20 20 20 20 20	22HP+26HP 1345 4589 39.3 1345 4589 33.21 405 1505 513.5 39.46 3.81
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. ESP	V/N/Hz kW kBut/h kW kW/kW kW/kW kBut/h kW kBut/h kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 424 132.0 450.4 33.07 3.99	22HP+22HP 380-41 123.0 419.7 36.7 3.35 123.0 419.7 30.0 410.0 35.57 3.88 50-130% of outd C Ir E 20.0 41.0 40.0 20.0 40.0	22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 128.5 438.4 30.43 422 144.0 491.3 36.35 3.96 oor unit capacity 54 verter 4 2 C 4	22HP+26HP 1345 458.9 39.3 1345 458.9 33.21 4.05 150.5 513.5 39.46 3.81
Cooling ¹ Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max, quantity Type Quantity Max, ESP Type	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 33.07 3.99	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd C in 20 default; up to 120 R4	22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 438.4 30.43 422 144.0 491.3 36.35 3.96 oor unit capacity 54 verter 4 XC 4 customization option 10A	22HP+26HP 1345 4589 39.3 1345 458.9 33.21 405 1505 1505 1315 39.46 3.81
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant	e Capacity Power input EER Capacity Power input COP Cope Cope Cope Total capacity Max. quantity Type Quantity Type Quantity Max. ESP Type Factory charge	V/N/Hz kW kBut/h kW kW/kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 33.07 3.99	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 410.0 35.57 3.88 50-130% of outd C in 20.0 41.0 40.	22HP+24HP 22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 128.5 438.4 30.43 4.22 144.0 491.3 3.6.35 3.96 oor unit capacity 54 verter 4 XC 4 L customization option 10A	22HP+26HP 1345 458.9 39.3 1345 458.9 33.21 405 150.5 135.5 39.46 3.81 17+22
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Rated) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max, quantity Type Quantity Max, ESP Type Factory charge Liquid pipe	V/N/Hz kW kBut/h kW/KW kW/kW kW/kW kW/kW kBut/h kW kW/kW kBut/h kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 23.7 4.24 132.0 450.4 33.07 3.99	22HP+22HP 380-41 123.0 419.7 3.67 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd C in 20 default; up to 120 R4 0	22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 438.4 30.43 422 144.0 491.3 30.63 3.52 144.0 491.3 3.65 3.96 oor unit capacity 54 verter 4 2 2 2 4 3 2 3 9 6 5 3.96 10 2 10 10 10 10 10 10 10 10 10 10	22HP+26HP 1345 4589 39.3 1345 458.9 33.21 405 150.5 135.5 39.46 3.81 17+22
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe connections ³	e Capacity Power input EER Capacity Power input COP Cop Cop Cop Cop Cop Total capacity Max quantity Type Quantity Type Quantity Max ESP Type Factory charge Liquid pipe Gas pipe	V/NVHz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 33.07 3.99	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 3.00 410.7 3.5.7 3.88 50-130% of outd C in 20 default; up to 120 R4 410 617 617 617 617 617 617 617 617	22HP+24HP 22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 438.4 30.43 4.22 144.0 491.3 3.96 cor unit capacity 54 wetter 4 4 xc 4 xc 4 8.1	22HP+26HP 1345 4589 393 1345 4589 33.21 405 1505 5135 39.46 3.81 17+22
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Rated) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe connections ³	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Max. ESP Type Factory charge Liquid pipe Gas pipe	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 2.7.7 4.24 132.0 450.4 33.07 3.99 17×2 17×2	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 \$0-130% of outd C in 20 default; up to 120 R4 01 022	22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 438.4 30.5 128.5 438.4 40.2 128.5 430.43 422 144.0 491.3 30.6 oor unit capacity 54 4 4 CC 4 Ucustomization option 10A 9.1 8.1	22HP+26HP 1345 4589 39.3 1345 458.9 33.21 405 150.5 150.5 135.5 39.46 3.81 17+22 4000
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe connections ³ Airflow rate	e Capacity Power input ER Capacity Power input COP Capacity Power input COP Total capacity Max quantity Type Quantity Max, ESP Type Factory charge Liquid pipe Gas pipe	V/NVHz kW kBut/h kW kW kW kW kW kW kW kW kW kW kW kW kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 3.307 3.99 	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 410.7 35.57 3.88 50-130% of outd C in 20 default; up to 120 R4 01 02 02 02 02 02 02 02 02 02 02	22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 128.5 438.4 30.43 4.22 144.0 491.3 36.35 3.96 corr unit capacity 54 wetter 4 xc xc yc 14 yc 15 3.96 xc yc 16 17 18 18 10 10 10 10 10 10 10 10 10 10	22HP+26HP 1345 4589 393 1345 4589 3321 405 1505 5135 3946 3.81 17+22
Cooling ¹ Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure le Sound pressure le	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Factory charge Liquid pipe Gas pipe	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kBut/h kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 33.07 3.99 17×2 34000	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd C [L] 20 default; up to 122 R4 01 02 1 02 0 0 0 0 0 0 0 0 0 0 0 0 0	22HP+24HP 22HP+24HP 5/3/50 1285 4384 365 3.52 1285 4384 3043 422 442 440 4913 3635 3.96 oor unit capacity 4 verter 4 CC 4 customization option 10A 9.1 8.1 1 10 20 20 20 20 20 20 20 20 20 20 20 20 20	22HP+26HP 134.5 458.9 39.3 134.5 458.9 33.21 405 150.5 513.5 39.46 3.81 17+22 42000
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound power lew	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max, quantity Type Quantity Type Quantity Max, ESP Type Factory charge Liquid pipe Gas pipe et el	V/N/Hz kW kBut/h kW kW/kW kW kW/kW kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 3.307 3.99 17×2 17×2 34000	22HP+22HP 380-41 123.0 419.7 3.67 3.35 123.0 419.7 30.0 419.7 35.57 3.88 50-130% of outd 0 0 0 0 0 0 0 0 0 0 0 0 0	22HP+24HP 22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 438.4 30.43 4.22 144.0 491.3 36.35 3.96 cor unit capacity 54 wetter 4 4 20 20 20 20 20 20 20 20 20 20	22HP+26HP 1345 4589 393 1345 4589 3321 405 1505 5135 3946 381 17+22
Cooling ¹ Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Rated) Indoor Unit Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure le Sound prever lew Net dimensions (e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe el WxHxD)	V/N/Hz kW kBut/h kW kW/kW kW/kW kBut/h kW/kW kBut/h kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 33.07 3.99 17×2 3400 17×2 3400 (1340×16355)	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd C [r 20 default; up to 120 R4 01 02 1 20 default; up to 120 84 01 02 1 20 default; up to 120 84 01 02 1 84 01 1 84 01 1 84 0 1 1 1 1 1 1 1 1 1 1 1 1 1	22HP+24HP 22HP+24HP 27J50 27J5 27J50 27J5 27J5 27J5 27J5 27J5 27J5 27J5 27J5	22HP+26HP 134.5 458.9 39.3 134.5 458.9 33.21 4.05 150.5 135.5 39.46 3.81 17+22 17+22 125+(1730×1830×850)
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound power lew Net dimensions (U	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max, quantity Type Quantity Type Quantity Max, sEP Type Factory charge Liquid pipe Gas pipe el WxHxD) ns (WxHxD)	V/N/Hz kW kBut/h kW kW/kW kW kW kW kW kW kW kW kW kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 33.07 3.99 17×2	22HP+22HP 380-41 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd DC in E 20 default; up to 120 R4 01 021 84 50-130% of outd 021 84 01 021 84 01 021 84 01 021 84 01 021 84 01 021 84 01 021 84 01 021 84 01 021 84 01 021 84 01 021 84 01 021 84 01 021 84 01 021 84 01 021 021 021 021 021 021 021	22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 438.4 30.43 422 144.0 491.3 3.96 oor unit capacity 54 wetter 4 customization option 10A 9.1 8.1 122 (1340×1635×82 (1405×18105×91)	22HP+26HP 1345 4589 39.3 1345 4589 33.21 4.05 513.5 39.46 3.81 17+22 42000 15)+(1730×1830×850) 0)+(1800×2000×910)
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound power lev Sound pressure lev Sound pressure lev Sound pressure lev Net dimensions (the source level) Packed dimensions (the source level)	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Type Quantity Max. ESP Type Factory charge Liquid pipe Gas pipe el WxHxD) ns (WxHxD)	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 33.07 3.99 17×2 34000 (1340×1635) (1340×1635) (140×1805) 346×	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd C in 20 default; up to 120 R4 01 02 1 20 default; up to 120 R4 01 0 20 default; up to 120 84 01 0 20 default; up to 120 84 0 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	22HP+24HP 22HP+24HP 5/3/50 1285 438.4 36.5 3.52 1285 438.4 30.43 422 144.0 491.3 36.35 007 unit capacity 54 verter 4 Cc 4 customization option 10A 9.1 8.1 9.1 8.1 1 10 10 11 10 10 10 10 10 10 10 10 10	22HP+26HP 134.5 458.9 39.3 34.43 458.9 33.21 405 513.5 33.46 3.81
Combination typ Power supply Cooling ³ Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure le Sound power lew Net dimensions (C rorss weight	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Max. SP Type Factory charge Liquid pipe Gas pipe el WxHxD) ns. (WxHxD)	V/N/Hz kW kBut/h kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/k kW/k kW kW/k kW kW kW kW kW kW kW kW kW kW kW kW kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 2.7.7 4.24 132.0 450.4 33.07 3.99 17×2 17×2 17×2 17×2 17×2 17×2 17×2 34000 (1340×1635) (1405×1805) (1405×1805) 346×3 368×368×368×368×368×368×368×368×368×368×	22HP+22HP 380-41 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd CC in CC i	22HP+24HP 22HP+24HP 5/3/50 128.5 438.4 36.5 128.5 438.4 30.43 4.22 144.0 491.3 36.35 3.96 oor unit capacity 54 verter 4 20 12 13.96 12 13.96 12 12 12 12 12 12 12 12 12 12	22HP+26HP 1345 4589 39.3 1345 4589 33.21 405 1505 1505 1515 39.46 3.81 17+22 42000 25)+(1730×1830×850) 10)+(1800×2000×910) 48+430 68+453
Combination typ Power supply Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Max) Connectable Indoor Unit Compressors Fan motors Fan motors Refrigerant Pipe Sound pressure la Sound pressure la Sound pressure la Sound pressure la Packed dimensions (Packed dimensions (Pack	e Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Max. quantity Type Quantity Type Quantity Type Quantity Type Gas pipe Factory charge Liquid pipe Gas pipe evel ⁴ el WxHxD) ns (WxHxD)	V/N/Hz kW kBut/h kW kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kBut/h kW/kW kW/kW kW/kW kW/kW	20HP+22HP 117.5 400.9 33.5 3.51 117.5 400.9 27.7 4.24 132.0 450.4 33.07 3.99 17×2 17×2 34000 (1340×1635) (1405×1805) 348× 368×	22HP+22HP 380-41 123.0 419.7 3.6.7 3.35 123.0 419.7 30.0 4.10 138.0 470.9 35.57 3.88 50-130% of outd C in 20 default; up to 122 20 default; up to 122 84 01 02 1 20 default; up to 122 84 01 02 1 20 default; up to 122 84 01 02 1 02 1 02 1 02 1 0 1 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	22HP+24HP 22HP+24HP 5/3/50 1285 438.4 36.5 3.52 1285 438.4 30.43 422 144.0 491.3 36.35 a.3.5 a.3.5 a.3.6 cor unit capacity 54 customization option 10A 9.1 8.1 9.1 8.1 1 10 10 10 10 10 10 10 10 10 10 10 10	22HP+26HP 134.5 458.9 39.3 34.43 458.9 33.21 405 513.5 33.44 33.21 405 150.5 513.5 33.46 3.81 17+22 25H(1730x1830x850) 00)+(1800x2000x910) 484430 68+453

Notes:

operating range Heating

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

3. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters. 4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

-25 to 24

VRF V6 Series - Heat Pump

380~415V, 3N, 50Hz

Capacity		HP	50	52	54	56						
Model			MV6-1400WV2GN1-E	MV6-1460WV2GN1-E	MV6-1515WV2GN1-E	MV6-1570WV2GN1-E						
Combination typ	e		22HP+28HP	26HP+26HP	26HP+28HP	28HP+28HP						
Power supply		V/N/Hz		380-41	5/3/50							
	Courseller	kW	140.0	146.0	151.5	157.0						
c 1	Capacity	kBut/h	477.7	498.2	516.9	535.7						
Cooling	Power input	kW	42.5	41.8	45.1	48.3						
	EER	kW/kW	3.29	3.49	3.36	3.25						
	Courseller	kW	140.0	146.0	151.5	157.0						
Lisstin n2 (Detech)	Capacity	kBut/h	477.7	498.2	516.9	535.7						
Heating- (Rated)	Power input	kW	36.2	36.22	39.3	42.3						
	COP	kW/kW	3.87	4.03	3.86	3.71						
	Courselle	kW	156.5	163.0	169.0	175.0						
Line the set (b.f.s.)	Capacity	kBut/h	534.0	556.2	576.6	597.1						
Heating- (Iviax)	Power input	kW	43.83	43.35	47.72	52.08						
	COP	kW/kW	3.57	3.76	3.54	3 36						
Connectable	Total capacity			50-130% of outdo	oor unit capacity							
Indoor Unit	Max. quantity			6	4							
_	Type			DC inv	verter							
Compressors	Quantity			4	4							
	Type			D	C							
Fan motors	Quantity			4	4							
	Max ESP	Pa	20 default; up to 120 customization option									
	Type	1 d		R410A								
Refrigerant	Eactory charge	ka	17+22		27×2							
Pipe	Liquid pipe	mm		Φ19.1		Ø191						
connections ³	Gas nine	mm		Ø38.1		0413						
Airflow rate	l and hole a	m ³ /h	42000		50000							
Sound pressure le	avel 4	dB(A)		7	0							
Sound power lev	el	dB(A)		9	2							
Net dimensions (WxHxD)	mm	(1340×1635×825)+(1730×1830×85	50)	(1730×1830×850)×2							
Packed dimensio	ns (WxHxD)	mm	(1405×1805×910)+(1800×2000×91	10)	(1800×2000×910)×2							
Net weight		ka	348+430		430×2							
Gross weight		ka	368+453		453×2							
Ambient temp.	Cooling	°C	3001133	-5 to	48							
operating range	Heating	°C		-25 ti	0.24							
operating lange	ricuting											
Canacity			50	60	62	64						
Model		1.11	MV6-1635WA/2GN1-F	MV6-1685W0/2GNI1-F	MV6-1750W0/2GN1-F	MV6-1800W0/2GN1 E						
Combination tyr	0		20UD : 20UD	20UD 122UD	2000-2200	20UD : 20UD						
Power supply		1//NI/U=	2011/10/11/	2001/10200	5/3/50	320r+320r						
ower suppry	1	V/IN/ITZ	162.5	169.5	175.0	190.0						
	Capacity	kRut/h	5570	574.0	507.1	614.2						
Cooling ¹	Power input	KDUU/N	51.6	5/4.9	597.1	62.1						
	rower input	KVV LAA//LAA/	217	33.2	30.3	02.1						
	EER	KVV/KVV	3.1/	3.03	2.99	2.90						
	Capacity	KVV	103.5	108.5	1/5.0	180.0						
Heating ² (Rated)	Danuaria	KBUT/h	557.9	5/4.9	597.1	014.2						
	Power input	KW	44.1	46.9	48./	51.4						
	ICOP	KWV/KW	3./0	3.59	3.59	3.50						

kW kBut/h 182.5 200.0 682.4 apacity 665.3 Heating² (Max) 56.72 3.31 kW OP kW/kW 50-130% of outdoor unit capacity Fotal capacity Indoor Unit 64 Туре Compressors Туре Fan motors 4 20 default; up to 120 customization option R/104 Гуре Refrigerant 22+25 25×2 actory charge kg Φ191 Pipe Liquid pipe mm m³/h dB(A) Ø41.3 connections³ Airflow rate 49000 48000 dB(A) (1730×1830×850)×2 Net dimensions (WxHxD) (1800×2000×910)×2 Net weight 430+475 kg 453+507 kg Ambient temp. Cooling operating range Heating -25 to 24

Notes: 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

2. Indoor temperature 20°C DB, 0°C temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less During the second se 4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

38

VRF V6 Series - Heat Pump

380~415V, 3N, 50Hz

Capacity		HP	66	68	70	72
Model			MV6-1850WV2GN1-E	MV6-1915WV2GN1-E	MV6-1965WV2GN1-E	MV6-2020WV2GN1-E
Combination tyr	10		12HP+22HP+32HP	14HP+22HP+32HP	16HP+22HP+32HP	12HP+28HP+32HP
Rowor supply		1//NI/U-2		200 /1	5/2/50	12111120111132111
rower supply	1	V/19/112	105.0	500-41	10/0/00	000.0
	Capacity	KVV	185.0	191.5	196.5	202.0
Cooling		kBut/h	631.2	653.4	670.5	689.2
cooning	Power input	kW	58.1	59.3	61.4	63.9
	EER	kW/kW	3.18	3.23	3.20	3.16
		kW	185.0	1915	196.5	202.0
	Capacity	kBut/b	631.2	653.4	670.5	689.2
Heating ² (Rated)	Descondenses	KDUU/II	47.0	000.4	670.5	609.2
	Fowerinput	KVV	4/.5	49.2	50.5	55.4
	COP	kW/kW	3.91	3.89	3.89	3./8
	Capacity	kW	206.5	214.0	219.0	225.0
Llooting2 (Mau)	Capacity	kBut/h	704.6	730.2	747.2	767.7
neating (iviax)	Power input	kW	56 34	58.73	60.22	64.59
	COP	WW/WW	3.67	3.64	3.64	3.48
Connectable	Total capacity	1577/1577	5.07	50-130% of outd	oor unit canacity	5.40
Le de se la la la	A cupacity			50 150/0 01 0414		
Indoor Unit	Max. quantity			ć	54	
Compressors	Туре			DC in	iverter	
compressors	Quantity				5	
	Type			0	DC	
Ean motors	Quantity				5	
1 0111100013	Address CCD	D -		30 defaults up to 130	sustamization option	
	IIVIAX. ESP	Pa		20 derault; up to 120	customization option	
Refrigerant	Type			R41	IUA	
nemgerant	Factory charge	kg	11+17+25		13+17+25	11+22+25
Pipe	Liquid pipe	mm	Ø19.1		Φ22.2	
connections ³	Gas nine	mm	M413		©44 5	
Airflow rate	Tous pipe		52000		54000	60000
7 diffowfate	. 4	-10(A)	52000		71	00000
Sound pressure le	evel	dB(A)		/	/1	
Sound power lev	el	dB(A)		y	33	
Net dimensions (WyHyD)	mm	(990×1635×790)+(1340×1635×825	5)+ (1340×1635×850)+(134	10~1635~825)+(1730~1830~850)	(990×1635×790)+
Net difficitsions ((TALIAD)		(1730×1830×850)	(1340×1033×030)1(134	1033A023/1(1/30A1030A030)	(1730×1830×850)×2
			(1090×1805×860)+(1405×1805×91)	0)+		(1090×1805×860)+
Packed dimensio	ns (WXHXD)	mm	(1900~2000~010)	(1405×1805×9	10)×2+(1800×2000×910)	(1900~2000~010)~2
Notwoight		ka	227+240+475	2-	77 : 249 : 475	227 420 475
George Weight		кg	22/+340+4/3	20	//TJ40T4/J	227+450+475
Gross weight		kg	242+368+507	30	04+308+507	242+453+50/
Ambient temp.	Cooling	°C		-5 te	o 48	
operating range	Heating	°C		-25 t	to 24	
Capacity		HP	74	76	78	80
Model			MV6-2075WV2GN1-E	MV6-2130WV2GN1-E	MV6-2185WV2GN1-E	MV6-2245WV2GN1-E
Combination typ	be		20HP+22HP+32HP	22HP+22HP+32HP	22HP+24HP+32HP	22HP+26HP+32HP
Power supply		V/N/Hz		380-41	5/3/50	
		LAA/	207.5	212.0	210.5	224.5
	Capacity	NVV	207.5	215.0	210.5	224.3
Cooling ¹		kBut/h	/08.0	/26.8	/45.5	/66.0
	Power input	kW	64.5	67.8	67.5	70.3
	EER	kW/kW	3.22	3.14	3.24	3.19
	Courselle	kW	207.5	213.0	218.5	224.5
	Capacity	kBut/h	708.0	726.8	745.5	766.0
Heating ² (Rated)	Power input	k)//	53.4	55.7	56.13	58.01
-	COD	100//100/	3.00	3.03	3.00	3.01
	COP	KVV/KVV	3.88	3.82	3.89	3.81
	Canacity	kW	232.0	238.0	244.0	250.5
	cupacity	kBut/h	791.6	812.1	832.5	854.7
Heating- (Iviax)	Power input	kW	63.75	66.24	67.02	70.13
	COP	kW/kW	3.64	3.50	3.64	3.57
Connectable	Total capacity	1011/1011	5.01	50-130% of outd	oor unit capacity	5.57
la da sa Usit	May guantity			50 150/0010410		
Indoor Unit	Iviax. quantity			c	24	
Compressors	Type			DC in	iverter	
compressors	Quantity				6	
	Type			C	C	
Ean motors	Quantity				6	
	May ESD	Po.		20 default: up to 120	customization option	
	Tuno	rd		20 deiauri, up to 120	104	
Refrigerant	туре			R4	IUA	
	I Danstan all same	kg	17×2+	25	17+22-	+25
	Factory charge				2.2.2	
Pipe	Liquid pipe	mm		Φ2	2.2	
Pipe	Liquid pipe Gas pipe	mm		02 04	14.5	
Pipe connections ³	Liquid pipe Gas pipe	mm mm	5000	02 04	14.5 I 6600	0
Pipe connections ³ Airflow rate	Liquid pipe Gas pipe	mm mm m ³ /h	58000	02 04	14.5 6600	D
Pipe connections ³ Airflow rate Sound pressure le	Liquid pipe Gas pipe	mm mm m ³ /h dB(A)	58000	02 04 0 7	14.5 6600 72	0
Pipe connections ³ Airflow rate Sound pressure le Sound power lev	Liquid pipe Gas pipe evel ⁴	mm mm m ³ /h dB(A) dB(A)	58000	02 04 0 7 7	14.5 6600 72 94	0

Packed dimension	(1403×1803×910)×2+(1800×2000×910)		(1403×1803×910)×2+(1800×2000×910)	(1403X1003X910)±(1000X2000X910)X2			
Net weight	kg 348×2+475			348+430+475			
Gross weight		kg	368×2+507	368+453+507			
Ambient temp.	mbient temp. Cooling °C		-5 to 48				
operating range	Heating	°C	-25 t	o 24			
Notes:	27% DB 10% W/						

Indoor rempetature 27CP, DR. 19C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 25m with zero level difference.
 Indoor rempetature 27CP, DR: outdoor temperature 37C DB; equivalent refrigerant piping length 25m with zero level difference.
 Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of Dams piper level are level.
 Sumdar temperature 20CC BC indoor temperature applies of Dams piper level are level to the VS devices piper level indoor branch liquid piping lengths of Dams piper level to the VS devices piper level indoor branch piper given are choice chamber.
 Sundar pressure level is measured at a position in in fort of the unit and 13m above the floor in a semi-ane-choic chamber.

VRF V6 Series - Heat Pump

380~415V, 3N, 50Hz

Capacity		HP	82	84	86	88				
Model			MV6-2300WV2GN1-E	MV6-2360WV2GN1-E	MV6-2415WV2GN1-E	MV6-2470WV2GN1-E				
Combination typ	e		22HP+28HP+32HP	26HP+26HP+32HP	26HP+28HP+32HP	28HP+28HP+32HP				
Power supply		V/N/Hz		380-415/3/	50					
	Capacity	kW	230.0	236.0	241.5	247.0				
c Ita -l	Capacity	kBut/h	784.8	805.2	824.0	842.8				
Looling	Power input		73.5	72.8	76.1	79.3				
	EER	kW/kW	3.13	3.24	3.17	3.11				
	Connecity	kW	230.0	236.0	241.5	247.0				
Looting? (Dated)	Capacity	kBut/h	784.8	805.2	824.0	842.8				
reating- (nateu)	Power input	kW	61.9	61.92	65.0	68.0				
	COP	kW/kW	3.72	3.81	3.72	3.63				
	Capacity	kW	256.5	263.0	269.0	275.0				
Heating ² (Max)	Capacity	kBut/h	875.2	897.4	917.8	938.3				
leating (iviax)	Power input	kW	74.50	74.03	78.39	82.76				
	COP	kW/kW	3.44	3.55	3.43	3.32				
onnectable	Total capacity			50-130% of outdoor unit capacity						
ndoor Unit	Max. quantity			64						
ompressors	Туре		DC inverter							
2011/01/23/013	Quantity	antity 6								
	Туре		DC							
an motors	Quantity			6						
	Max. ESP	Pa		20 default; up to 120 cust	omization option					
Refrigerant	Туре			R410A						
tenigerant	Factory charge	kg	17+22+25		22×2+25					
Pipe	Liquid pipe	mm	Φ22.2		Φ25.4					
connections ³	Gas pipe	mm	Φ44.5		Φ50.8					
Airflow rate		m³/h	66000		74000					
Sound pressure l	evel 4	dB(A)		72						
5ound power lev	el	dB(A)		94						
Net dimensions (WxHxD)	mm	(1340×1635×825)+(1730×1830×850)×2		(1730×1830×850)×3					
Packed dimensio	ns (WxHxD)	mm	(1405×1805×910)+(1800×2000×910)×2		(1800×2000×910)×3					
Net weight		kg	348+430+475		430×2+475					
Gross weight		kg	368+453+507		453×2+507					
Ambient temp.	Cooling	°C		-5 to 48						
operating range	Heating	°C		-25 to 24						

Capacity		HP	90	92	94	96					
Model			MV6-2535WV2GN1-E	MV6-2585WV2GN1-E	MV6-2650WV2GN1-E	MV6-2700WV2GN1-E					
Combination typ	e		28HP+30HP+32HP	28HP+32HP+32HP	30HP+32HP+32HP	32HP+32HP+32HP					
Power supply		V/N/Hz		380-41	5/3/50						
	Consolt	kW	253.5	258.5	265.0	270.0					
c v 1	Capacity	kBut/h	864.9	882.0	904.2	921.2					
Cooling	Power input	kW	82.6	86.2	89.5	93.1					
	EER	kW/kW	3.07	3.00	2.96	2.90					
	Connecity	kW	253.5	258.5	265.0	270.0					
Linesta e2 (Descal)	Capacity	kBut/h	864.9	882.0	904.2	921.2					
Heating- (Rated)	Power input	kW	69.8	72.6	74.4	77.1					
	COP	kW/kW	3.63	3.56	3.56	3.50					
	Conocity	kW	282.5	287.5	295.0	300.0					
Llooting? (May)	Capacity	kBut/h	963.9	981.0	1006.5	1023.6					
Heating (iviax)	Power input	kW	84.49	87.39	89.13	92.02					
	COP	kW/kW	3.34	3.29	3.31	3.26					
Connectable	Total capacity			50-130% of outd	50-130% of outdoor unit capacity						
Indoor Unit	Max. quantity			64							
Comprosors	Туре			DC in	iverter						
Compressors	Quantity				б						
	Туре			[DC						
Fan motors	Quantity				б						
	Max. ESP	Pa		20 default; up to 120	customization option						
Pofrigorant	Туре			R4	10A						
Nenigerani	Factory charge	kg	22+1	25×2	25+	25×2					
Pipe	Liquid pipe	mm		Φ2	15.4						
connections ³	Gas pipe	mm		Φ5	0.8						
Airflow rate		m³/h	730	000	720	000					
Sound pressure le	evel ⁴	dB(A)			72						
Sound power lev	el	dB(A)		9	94						
Net dimensions (WxHxD)	mm		(1730×18	30×850)×3						
Packed dimensio	ns (WxHxD)	mm	(1800×2000×910)×3								
Net weight		kg	kg 430+475×2 475×3								
Gross weight		kg	453+	507×2	503	7×3					
Ambient temp.	Cooling	°C		-5 t	o 48						
operating range	Heating	°C		-25	to 24						

Operating in the processing

Operating in the processing

Operating in the processing in the processi

Wide Capacity Range

V6-i VRF has two options, side-discharge and top-discharge. For side-discharge type, it has four models, 7/8/9/10/12HP. For top-discharge type, the capacity is from 8HP to 32HP in 2HP increments.



Wide Operation Range

The V6-i VRF can operate stably in a wide ambient temperature range.



Side-discharge type

Top-discharge type * Cooling operation at -15°C is available as a customization option.

-15°C* -5

Long Piping Capability

Pining length	Capability (m)			
r iping length	Top-discharge	Side-discharge		
Total piping length	1000	150		
Longest piping length-actual (equivalent)	175 (200)	100 (110)		
Longest piping length after first branch	40/90*	40		
Largest level difference between IDUs and ODU-ODU up (down)	90 (110)	50 (40)		
Largest level difference between IDUs	30	15		

*The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please contact your local dealer for further information.



Midea

Ventilation Heat recovery ventilator (HRV) AHU Connection Kit

Connect to Midea or third party DX AHU

Indoor Units VRF indoor units

Fresh Air Processing Unit 100% fresh air supply

Control Systems

Smart control systems

VRF V6-i Series Heat Pump

Optimized design op-discharge Options vailable for Top-discharge Only) for middle-sized

buildings

(Available for Top-discharge Only) ction (EVI) Compressor (Available for Top-d (Available for Top-discharge Only) ape Heat Exchanger (Available for Top-disch ilable for Top-discharge Only) cooling (Available for Top-discharge Only) chnology

Canada

(Available for Top-discharge Only)

on Certificate (Available for Top-discharge On frigerant Cooling PCB

Auto Snow-blowing Function (Available for Top-discharge Only)

- Dust-clean Function (Available for Top-discharge Only)
- Optional Multi-Functional Diagnosis Box (Available for Top-discharge Only)
- Automatic Refrigerant Detecting/Charging/Recycling(Available for Top-discharge Only)

VRF V6-i Series - Heat Pump (Top-discharge type)

380~415V, 3N, 50Hz

Capacity		HP	8	10	12	14	16	18	
Model			MV6-i252WV2GN1-E	MV6-i280WV2GN1-E	MV6-i335WV2GN1-E	MV6-i400WV2GN1-E	MV6-i450WV2GN1-E	MV6-i500WV2GN1-E	
Power supply		V/Ph/Hz		380-415/3/50			380-415/3/50		
		L/W	25.2	28	22.5	40	45	50	
	Capacity	LDtu/b	23.2	05.5	114.2	126.5	152.5	170.6	
Coolina ¹	-	KBtu/n	80	95.5	114.3	130.5	153.5	170.6	
	Power input	kW	6.19	/.14	8.9	11	12.9	14./	
	EER		4.07	3.92	3.75	3.65	3.5	3.4	
	C 11	kW	25.2	28	33.5	40	45	50	
	Capacity	kBtu/h	86	95.5	1143	136.5	153.5	170.6	
Heating ² (Rated)	Power input	kW/	5.10	5 77	76	03	10.7	12.2	
	COP	NVV	J.10	J.//	7.0	9.3	10.7	12.2	
	COP		4.94	4.85	4.4	4.3	4.2	4.1	
	Capacity	kW	27.0	31.5	37.5	45.0	50.0	56.0	
	cupacity	kBtu/h	92.1	107.5	128.0	153.5	170.6	191.1	
Heating ² (Max)	Power input	kW	5.71	6.91	9.13	11.23	12.89	14.72	
	COP		4.73	4.56	411	4.01	3.88	3.80	
	Total capacity				50-130% of outd	oor unit canacity			
Connected indoor unit	Mawingung guar	atitu i	10	16	2012070010000	22	26	20	
	Triaximum quar	iuty	13	10	20	23	20	29	
Compressors	Type				DC in	verter			
compressors	Quantity					1			
	Type				D	C			
Ean motors	Quantity					1			
	May ESD	Do.	20 Default	up to 80 customizat	ion option	20 Default	up to 120 customiza	tion option	
	Tures	rd	20 Deldult	, up to ou custoffilza			up to 120 custoffil2d	аон орнон	
Refrigerant	туре				R4	IUA	4.7		
	Factory charge	kg					13		
Bing connections ³	Liquid pipe	mm	Φ12.7	Ø12.7	Φ15.9	Φ15.9	Φ15.9	Φ19.1	
ripe connections-	Gas pipe	mm	Φ25.4	Ø25.4	Φ28.6		Ø31.8		
Airflow rate		m3/h		11000			13000		
Sound proceura laval4		dD(A)	50	E0	60	60	65	65	
Sound pressure rever		UD(A)	30	30	00	02	0.5	0.5	
Sound power level		dB(A)	/8	/8	81	85	88	88	
Net dimensions (W×H×D)		mm		990×1635×790			1340×1635×850		
Packed dimensions (W×H×D)		mm		1090×1805×860			1405×1805×910		
Net weight		ka		227		277	277	295	
Gross weight		ka		242		304	304	322	
Gloss Weight	Cooline	0-		272	E *.	. 40	504	522	
Ambient temp, operating range	Cooling	2			-5 0	J 46			
	Heating	L C			-25 1	:0 24			
Capacity		HP		20			22		
Model				MV6-i560WV2GN1-E			MV6-i615WV2GN1-E		
Power supply		V//Dh/Uz	380.410			5/3/50			
Томегзарру		V/F11/112		56			61.5		
r ower supply	Capacity	kW		56			61.5		
Cooling	Capacity	kW kBtu/h		56 191.1			61.5 209.8		
Cooling ¹	Capacity Power input	kW kBtu/h kW		56 191.1 16			61.5 209.8 20.2		
Cooling ¹	Capacity Power input EER	kW kBtu/h kW		56 191.1 16 3.5			61.5 209.8 20.2 3.05		
Cooling ¹	Capacity Power input EER	kW kBtu/h kW		56 191.1 16 3.5 56			61.5 209.8 20.2 3.05 61.5		
Cooling ¹	Capacity Power input EER Capacity	kW kBtu/h kW kBtu/h		56 191.1 16 3.5 56 191.1			61.5 209.8 20.2 3.05 61.5 209.8		
Cooling ¹ Heating ² (Rated)	Capacity Power input EER Capacity Power input	kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 138			61.5 209.8 20.2 3.05 61.5 209.8 17.6		
Cooling ¹ Heating ² (Rated)	Capacity Power input EER Capacity Power input	kW kBtu/h kW kBtu/h kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05			61.5 209.8 20.2 3.05 61.5 209.8 17.6 25		
Cooling ¹ Heating ² (Rated)	Capacity Power input EER Capacity Power input COP	kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 62			61.5 209.8 20.2 3.05 61.5 209.8 17.6 3.5 60.2		
Cooling' Heating ² (Rated)	Capacity Power input EER Capacity Power input COP Capacity	kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0			61.5 209.8 20.2 3.05 61.5 209.8 17.6 3.5 69.0		
Cooling ¹ Heating ² (Rated)	Capacity Power input EER Capacity Power input COP Capacity	kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 138 4.05 63.0 215.0			61.5 209.8 20.2 3.05 61.5 209.8 17.6 3.5 69.0 235.4		
Cooling' Heating ² (Rated) Heating ² (Max)	Capacity Power input EER Capacity Power input COP Capacity Power input	kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 6.30 215.0 16.61			61.5 209.8 20.2 3.05 61.5 209.8 17.6 3.5 69.0 235.4 20.83		
Cooling ¹ Heating ² (Rated) Heating ² (Max)	Capacity Power input EER Capacity Power input COP Capacity Power input COP	kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 16.61 3.79			61.5 209.8 20.2 3.05 61.5 209.8 17.6 3.5 69.0 235.4 20.83 3.31		
Cooling' Heating ² (Rated) Heating ² (Max)	Capacity Power input EER Capacity Power input COP Capacity Power input COP	kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 16.61 3.79	50-130% of outd	2007 unit capacity	61.5 209.8 20.2 3.05 61.5 209.8 17.6 3.5 69.0 235.4 20.83 3.31		
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connected indoor unit	Capacity Power input EER Capacity Power input COP Capacity Power input COP	kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 16.61 3.79	50-130% of outd	cor unit capacity	61.5 209.8 20.2 3.05 61.5 209.8 17.6 3.5 69.0 235.4 20.83 3.31		
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connected indoor unit	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar	kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 16.61 3.79 33	50-130% of outd	oor unit capacity	61.5 209.8 20.2 3.05 61.5 209.8 17.6 3.5 69.0 235.4 20.83 3.31 3.6		
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connected indoor unit Compressors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type	kW kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 6.3.0 215.0 16.61 3.79 33	50-130% of outd		615 209,8 202 305 615 209,8 17,6 35 690 235,4 2083 331 36		
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connected indoor unit Compressors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity	kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 6.30 215.0 16.61 3.79 33	50-130% of outd	cor unit capacity verter	615 2098 202 305 615 2098 17.6 35 690 235.4 2083 331 331		
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connected indoor unit Compressors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Type	kW kW kBtu/h kW kBtu/h kW kBtu/h kW tity		56 191.1 16 3.5 56 191.1 13.8 4.05 6.30 215.0 16.61 3.79 33	50-130% of outd	c C	615 209,8 202 3,05 615 209,8 17,6 3,5 69,0 235,4 209,8 3,31 36		
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connected indoor unit Compressors Fan motors	Capacity Power input EER Capacity Power input COP Total capacity Maximum quar Type Quantity Type Quantity	kW kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 16.61 3.79 33	50-130% of outd	Sor unit capacity verter 2 C 2	615 2098 202 305 615 2098 17.6 35 690 225.4 2083 3.31 36		
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connected indoor unit Compressors Fan motors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Type Quantity Max FCP	kW kW kBtu/h kW kBtu/h kW kBtu/h kW tity		56 191.1 16 3.5 56 191.1 138 4.05 630 215.0 16.61 3.79 33	50-130% of outd DC in 2 20 Default: up to 12	cor unit capacity werter 2 C 2 2 2 (cistomization confi	615 209,8 202 3,05 61,5 209,8 17,6 3,5 69,0 235,4 20,83 3,31 3,6		
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connected indoor unit Compressors Fan motors	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Type Quantity Max, ESP	kW kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 6.30 215.0 16.61 3.79 33	50-130% of outd DC in 2 20 Default; up to 12	cor unit capacity verter 2 C 2 customization optic ch	615 2098 202 305 615 2098 17.6 35 690 2354 2083 3.31 36		
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connected indoor unit Compressors Fan motors Refrigerant	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Type Quantity Max.ESP Type	kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 16.61 3.79 33	50-130% of outd DC in 2 20 Default; up to 122 R41	oor unit capacity werter 2 C C 2 customization optic 0A	615 2098 202 305 615 2098 176 35 690 2354 2083 331 36		
Cooling' Cooling' Heating' (Rated) Heating' (Max) Connected indoor unit Compressors Fan motors Refrigerant	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Type Quantity Max ESP Type Factory charge	kW kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW		56 191.1 16 3.5 56 191.1 13.8 4.05 6.30 215.0 16.61 3.79 33	50-130% of outd DC in 2 20 Default; up to 120 R41 1	cor unit capacity verter C C customization optic OA 7	615 2098 202 305 615 2098 17.6 35 69.0 235.4 20.83 3.31 36		
Cooling ¹ Heating ² (Rated) Heating ² (Max) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ¹	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Type Quantity Type Ractory charge Liquid pipe	kW kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW titity Pa kg mm		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 16.61 3.79 33	50-130% of outd DC in 20 Default; u 12 20 Default; u to 120 R41 1 0	oor unit capacity werter 2 C C C customization optio 0A 7 .9.1	615 209.8 202 3.05 615 209.8 17.6 3.5 69.0 235.4 20.83 3.31 3.6		
Cooling ¹ Heating ² (Rated) Heating ² (Rated) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ¹	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Type Quantity Max ESP Type Factory charge Liquid pipe Gas pipe	kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kBtu/h kBtu/h kBtu/h		56 191.1 16 3.5 56 191.1 13.8 4.05 6.30 215.0 16.61 3.79 33	50-130% of outd DC in 2 20 Default; up to 120 R41 1 013	cor unit capacity verter 2 customization optic 0A 7 .1 .1 .8	615 2098 202 305 615 2098 17.6 35 690 2354 2083 3.31 36		
Cooling ¹ Heating ² (Rated) Heating ² (Rated) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ¹ Airflow rate	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quartity Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe	kW kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW titty		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 16.61 3.79 33	50-130% of outd DC in 20 Default; up to 120 R41 01 03 177	oor unit capacity werter 2 C C C C Ucustomization optic 0A 7 9.1 1.8 000	615 2098 202 305 615 2098 176 35 690 2354 2083 331 36		
Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Max) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound reasouse leaved ¹⁵	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Max. ESP Type Guartity Max. ESP Liquid pipe Gas pipe	kW kBtu/h kW kBtu/h kW kBtu/h kBtu/h kBtu/h kW kBtu/h kW tity		56 191.1 16 3.5 56 191.1 13.8 4.05 6.30 215.0 16.61 3.79 33	50-130% of outd DC in 2 20 Default; up to 120 R41 0 1 0 3 177	Sor unit capacity verter 2. customization optic 0A 7 .1 .1 .8 .8	615 2098 202 305 615 2098 17.6 35 690 2354 2083 3.31 36		
Cooling ¹ Heating ² (Rated) Heating ² (Rated) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ¹ Airflow rate Sound pressure level ⁴	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quartity Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe	kW kBtu/n kW kBtu/n kW kW kW kW kW kW ktu/n kW ktu/n kW ktu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kB		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 15.0 16.61 3.79 33	50-130% of outd DC in 20 Default; up to 120 20 Default; up to 120 01 01 03 177 6 6	oor unit capacity werter 2 C C OA 7 9.1 1.8 000 6	615 2098 202 305 615 2098 176 35 690 2354 2083 331 36		
Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Max) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ¹ Airflow rate Sound pressure level ⁴ Sound pressure level ⁴	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Max. ESP Type Countity Max. ESP Type Gas pipe	kW kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kBtu/		56 191.1 16 3.5 56 191.1 13.8 4.05 6.30 215.0 16.61 3.79 33	50-130% of outd DC in 2 20 Default; up to 120 R41 0 1 0 3 177 6 8 8 8	Sor unit capacity verter 2. customization optic OA 7. 3.1 1.8 6 6	615 2098 202 305 615 2098 17.6 35 690 2354 2083 3.31 36		
Cooling ¹ Heating ² (Rated) Heating ² (Rated) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ¹ Airflow rate Sound pressure level ⁴ Sound power level Net dimensions (WXHxD)	Capacity Power input ER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe	kW kBtu/n kW kBtu/n kW kBtu/n kW kW kBtu/n kW kW ktu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n kW kBtu/n		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 16.61 3.79 33	50-130% of outd DC in 20 Default; up to 120 R41 0 D1 0 3 177 6 8 8 1340x11	oor unit capacity werter 2 C C Questomization optic 0A 7 9.1 1.8 000 6 8 8 8 5355x825	615 2098 202 305 615 2098 176 35 690 2354 2083 331 36		
Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Max) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ¹ Airflow rate Sound pressure level ¹ Sound pressure level ¹ Sound pressions (WXHXD) Packed dimensions (WXHXD)	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Max. ESP Type CQuantity Max. ESP Type Gas pipe	kW kBtu/h kM kW kBtu/h kM kW kBtu/h kM kM kW kBtu/h kM kW kBtu/h kM kM kW kBtu/h kM kM kM kM kM kM kM kM kM kM kM kM kM		56 191.1 16 3.5 56 191.1 13.8 4.05 6.30 215.0 16.61 3.79 33	50-130% of outd DC in 2 20 Default; up to 120 R41 0 1 0 3 177 6 6 8 8 1340xt1 1405xt1	Dor unit capacity verter 2 customization optic OA 7 9.1 1.8 000 6 8 8 335x825 05x910	615 2098 202 305 615 2098 17.6 35 690 2354 2083 3.31 36		
Cooling ³ Heating ² (Rated) Heating ² (Rated) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure level ⁴ Sound pressure level ⁴ Sound power level Net dimensions (WXHXD) Packed dimensions (WXHXD) Net weinst	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe	kW kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 16.61 3.79 33	50-130% of outd DC in 20 Default; up to 120 20 Default; up to 120 R41 01 03 177 6 8 8 1340xlt 1405xlt 1405xlt 23	oor unit capacity werter 2 C C 2 2 customization optic 0A 7 9.1 1.8 000 6 8 8 8 5355825 905x910 14	615 2098 202 305 615 2098 176 35 690 2354 2083 331 36		
Cooling ¹ Heating ² (Rated) Heating ² (Rated) Heating ² (Rated) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ¹ Airflow rate Sound pressure level ⁴ Sound pressure level ⁴ Sound pressions (WxHxD) Net weight Grace winbet	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Max. ESP Type CQuantity Max. ESP Type Gas pipe	kW kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h		56 191.1 16 3.5 56 191.1 13.8 4.05 6.30 215.0 16.61 3.79 33	50-130% of outd DC in 2 20 Default; up to 120 R41 0 1 0 3 1 77 6 8 1 340x11 1405x11 1405x12 14	Dor unit capacity verter 2 2 2 2 2 2 2 3 5 3 5 4 4 4 4 4 4 4 4 4 4 4 4 4	615 2098 202 305 615 2098 17.6 35 690 2354 2083 3.31 36		
Cooling ³ Heating ² (Rated) Heating ² (Rated) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ³ Airflow rate Sound pressure level ⁴ Sound pressure level ⁴ Net dimensions (W×H×D) Packed dimensions (W×H×D) Net weight Gross weight	Capacity Power input ER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Type Gasoppe Factory charge Liquid pipe Gas pipe	VYTOLX kW kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kW kBtu/h kBtu/h kBtu/h kBtu/h kBtu/h kBtu/h kBtu/h kBtu/h kBtu/h		56 191.1 16 3.5 56 191.1 13.8 4.05 63.0 215.0 16.61 3.79 33	50-130% of outd DC in 20 Default; up to 120 841 0 01 0 3 177 6 8 1340x11 1405x11 3 3 2 3	oor unit capacity werter 2 C C 2 Outsomization optic 0A 7 9.1 1.8 000 6 8 8 8 5335x825 5055x910 14 14 14 14 14 14 14 14 14 14 14 14 14	615 2098 202 305 615 2098 176 35 690 2354 2083 331 36		
Cooling ¹ Cooling ¹ Heating ² (Rated) Heating ² (Rated) Connected indoor unit Compressors Fan motors Refrigerant Pipe connections ¹ Airflow rate Sound pressure level ⁴ Airflow rate Airflow rate Connections ¹ Airflow rate Airflow rate Airflow rate Airflow rate Airflow rate Airflow rate Connections ¹ Airflow rate Airflow rate Connections ¹ Airfl	Capacity Power input EER Capacity Power input COP Capacity Power input COP Total capacity Maximum quar Type Quantity Max. ESP Type Quantity Max. ESP Type Gas pipe Cooling	VYTIOLE kW kW kW kW kW kW kW kW kW kW kW kW kW		56 191.1 16 3.5 56 191.1 13.8 4.05 6.30 215.0 16.61 3.79 33	50-130% of outd DC in 2 20 Default; up to 120 841 01 03 177 6 8 1340x11 1405x11 1405x11 1405x11 1405x13 33 33 33 33 33 33 34	Dor unit capacity verter 2 2 2 2 2 2 2 3 3 5 4 4 5 4 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	615 2098 202 305 615 2098 17.6 35 690 2354 2083 331 36		

Notes:

Notes: 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Diameters given are those of the unit's stop valves. 4. Sound pressure level Is measured at a position 1 m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Capacity		HP	24	26	28	30	32	
Model			MV6-i670WV2GN1-E	MV6-i730WV2GN1-E	MV6-i785WV2GN1-E	MV6-i850WV2GN1-E	MV6-i900WV2GN1-E	
Power supply		V/Ph/Hz			380-415/3/50			
	Conceptor	kW	67	73	78.5	85	90	
- II - I	Capacity	kBtu/h	228.6	249.1	267.8	290	307.1	
Cooling	Power input	kW	21.6	21.6	24.9	28.3	32.1	
	EER		3.1	3.4	3.15	3	2.8	
	Capacity	kW	67	73	78.5	85	90	
Leating? (Bated)	Capacity	kBtu/h	228.6	249.1	267.8	290	307.1	
Heating" (nated)	Power input	kW	17.27	18.58	22.49	24.3	26.5	
	COP		3.88	3.93	3.49	3.5	3.4	
	Capacity	kW	75.0	81.5	87.5	95.0	100.0	
	Capacity	kBtu/h	255.9	278.1	298.6	324.1	341.2	
Heating ² (Max)	Power input	kW	20.91	22.23	27.53	29.37	31.58	
	COP		3.59	3.67	3.18	3.24	3.17	
Connected indeer unit	Total capacity			50-1	30% of outdoor unit cap	acity		
connected indoor unit	Maximum quar	ntity	39	43	46	50	53	
Comproscore	Type		DC inverter					
Compressors	Quantity		2					
	Туре				DC			
Fan motors	Quantity				2			
	Max. ESP	Pa		20 Defa	ault; up to 120 customizat	ion option		
Bafrigarant	Туре				R410A			
Reingerant	Factory charge	kg		22		2	25	
Pine connections ³	Liquid pipe	mm	Ø19.1		Φ2	2.2		
ripe connections	Gas pipe	mm		Φ31.8		Φ3	8.1	
Airflow rate		m³/h		25000		24	000	
Sound pressure level ⁴		dB(A)	67		6	8		
Sound power level		dB(A)	89		ç	0		
Net dimensions (W×H×D)		mm			1730×1830×850			
Packed dimensions (W×H×D)		mm			1800×2000×910			
Net weight		kg	407	4	29	4	75	
Gross weight		kg	430	4	52	5	07	
Ambient temp, operating range	Cooling	PE -			-5 to 48			
Ambient temp, operating range	I I a a think as	0		2E to 24				

VRF V6-i Series - Heat Pump (Side-discharge type) 380~415V, 3N, 50Hz

HP			7	8	9	10	12	
Model			MVi-200WV2RN1(A)	MVi-224WV2RN1(A)	MVi-260WV2RN1(A)	MVi-280WV2RN1(A)	MVi-335WV2RN1(A)	
Power supply		V/N/Hz			380-415/3/50			
	Capacity	kW	20	22.4	26	28.5	33.5	
Contract	Capacity	kBtu/h	68.2	76.4	88.7	97.2	114.3	
Cooling	Power input	kW	4.90	6.83	9.63	12.28	14.38	
	EER		4.08	3.28	2.70	2.32	2.33	
	Capacity	kW	20	22.4	26	28.5	33.5	
Heating ²	Capacity	kBtu/h	68.2	76.4	88.7	97.2	114.3	
(Nominal)	Power input	kW	4.21	4.98	5.53	6.16	8.1	
	COP		4.75	4.50	4.70	4.63	4.14	
	Capacity	kW	22.5	25	28.5	31.5	37.5	
Heating ²	Capacity	kBtu/h	76.8	85.3	97.2	107.5	128.0	
(Max)	Power input	kW	6.59	6.67	7.43	7.41	9.08	
	COP		3.41	3.75	3.83	4.25	4.13	
Connected	Total capacity			50-	130% of outdoor unit capa	icity		
indoor unit	Maximum quan	tity	11	13	15	16	20	
Comprossor	Туре		DC inverter					
compressor	Quantity				1			
Ean motors	Туре	DC						
Tan motors	Quantity				2			
Pofrigorant	Туре				R410A			
Kenigerani	Factory charge	kg	6.5	6.5	6.5	6.5	8	
Pipe	Liquid pipe	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ12.7	
connections ³	Gas pipe	mm	Φ19.1	Φ19.1	Φ22.2	©22.2	Φ25.4	
Airflow rate		m³/h	9000	9000	10000	11000	11300	
Sound pressure I	evel ⁴	dB(A)	58	58	59	60	61	
Net dimensions	(W×H×D)	mm			1120×1558×528			
Packed dimensions (W×H×D) mm		mm			1270×1720×565			
Net weight		kg	143	143	144	144	157	
Gross weight		kg	159	159	160	160	173	
Operating	Cooling	°C			-5 to 48			
temperature ran	ge Heating	°C			-20 to 24			

Notes: 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Diameters given are those of the unit's stop valves. 4. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.

Outdoor Units



VRF indoor units



Ventilation Heat recovery ventilator (HRV)



Control Systems Smart control systems



AHU Connection Kit Connect to Midea or third party DX AHU



VRF V4 Plus I Series Heat Pump

buildings

- Capacity up to 16HP
- Connectable Indoor Units Quantity up to 2
- Precise Oil Control Tech
- Advanced Sile

Long Piping Capability

Pining length		Capability (m)	
	20/22.4/26kW	28/33.5kW	40/45kW
Total piping length	120	150	250
Longest length - actual (equivalent)	60 (70)	100 (110)	100 (120)
Longest length after first branch	20	40	40
Longest length after nearest branch	15	15	15
Largest level difference between IDUs and ODU-ODU up (down)	30 (20)	50 (40)	30 (20)
Largest level difference between IDUs	8	15	8



VRF V4 Plus I Series - Heat Pump

HP			7	8	9	10	12	14	16	
Model			MDV-V200W/DRN1	MDV-V224W/DRN1	MDV-V260W/DRN1	MDV-V280W/DGN1	MDV-V335W/DGN1	MDV-V400W/DRN1(A)	MDV-V450W/DRN1(A	
Power supply		V/N/Hz			•	380-415/3/50	·		·	
Cooling ¹	Capacity	kW	20.0	22.4	26.0	28.0	33.5	40.0	45.0	
	Power input	kW	6.35	6.81	8.13	12.07	15.09	15.09	13.55	
	EER		3.15	3.29	3.20	2.32	2.22	2.65	3.32	
Heating ²	Capacity	kW	22.0	24.5	28.5	28.0	33.5	40.0	45.0	
	Power input	kW	6.20	5.9	7.22	6.68	7.94	10.0	11.11	
	COP		3.55	4.15	3.95	4.19	4.22	4.00	4.05	
Connectable	Total capacity				50~130	0% of outdoor unit (capacity			
indoor unit	Max. quantity		10	11	12	16	20	14	15	
Compressor	Туре		DC inverter							
	Quantity		1	1	1	1	1	2	2	
Fan motor	Туре		DC motor							
	Quantity		2							
Refrigerant	Туре					R410A				
	Factory charging	kg	4.8	6.2	6.2	8	8	9	12	
Pipe	Liquid pipe	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ12.7	Φ12.7	
connections	Gas pipe	mm	Φ19.1	Φ19.1	Φ22.2	Φ22.2	Φ25.4	Φ22.2	Φ25.4	
Air flow rate		m³/h	10999	10494	10494	11000	11300	16575	16575	
Sound power	level ³	dB(A)	76	76	77	79	81	82	83	
Net dimension (W×H×D) mm				1120×1558×528			1360×1650×540	1460×1650×540		
Packing size (W×H×D) mm					1270×1720×565			1450×1785×560	1550×1785×560	
Net weight		kg	137	146.5	147	157	157	240	275	
Gross weight		kg	153	162.5	163	173	173	260	290	
Operating ten	nperature range	°C	Coolir	ıg: -15~46; Heating:	-15~24	Cooling: -5~48; H	eating: -20~24	Cooling: -5~48; H	Heating: -15~24	

Notes

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB; o°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Sound pressure level is measured at a position 1m in front of the unit and 1 m above the floor in a semi-anechoic chamber.

48

Outdoor Units



Indoor Units VRF indoor units



Ventilation Heat recovery ventilator (HRV)



Control Systems Smart control systems



AHU Connection Kit Connect to Midea or third party DX AHU

VRF Mini Series Heat Pump

Optimized design for small buildings

- Two Options: Standard and Mini C Series
- Capacity Up to 18kv
- Connectable Indoor Units Quantity up to 9
- Refrigerant Cooling PCB (Available for Mini C Series Only)
- Precise Oil Control Technoloc
- Advanced Silence Technolog
- Compact, Easy Installation

DC Inverter Compressor

DC inverter compressor makes the output of the outdoor unit to be to be modulated by the cooling or heating demands of the zone that it controls. This advanced system ensures precise temperature regulation and highly efficient energy usage, making a significant contribution to the limiting the impact on the environment.

Compressor (Twin Rotor) structure High density neodymium m Concentrated type stator Wide reparting features

High density neodymium magnet Concentrated type stator Wider operating frequency range Better balance and Extremely Low Vibration: Twin eccentric cams 2 balance weights Highly Stable Moving Parts: Optimal material matching rollers and vanes Optimize compressor drive technology

Optimal material matching foliers and var Optimize compressor drive technology Highly robust bearings Compact structure

Wide Capacity Range

Mini VRF has two options, standard series and Mini C series. For standard series, it has 6 models from 8kW to 18kW. For Mini C series, it has 5 models from 8kW to 16kW. The Mini VRF is perfect for commercial and residential applications: small offices, villas, apartments, shops, etc.

	Mini C series	Standar	d series	
8kW	10-12kW	14-16kW	8-10kW	12-18kW
			0	0

Long Piping Capability

	Capability (m)						
Piping length	I	Mini C serie	Standard series				
	8kW	10-12kW	14-16kW	8-10kW	12-18kW		
Total piping length	50	65	100	100	100		
Longest piping length- actual (equivalent)	35 (40)	45 (50)	60 (70)	45 (50)	60 (70)		
Longest piping length after first branch	20	20	20	20	20		
Longest piping length after nearest branch	15	15	15	15	15		
Largest level difference between IDUs and ODU-ODU up (down)	10 (10)	20 (20)	30 (20)	30 (20)	30 (20)		
Largest level difference between IDUs	8	8	8	8	8		



More Convenient Piping Connector – Branch Box



Easier and safer installation thanks to a branch box that simplifies piping work greatly.



49

Easy Installation

The mini VRF can be transported by elevator which makes installation dramatically easy, and effectively reduces time and labor thanks to the small size.



Four-Way Piping Connection



A four-direction space is available for connecting pipes and wiring in various installation sites.

Mini VRF (Standard Series) - Heat Pump

220~240V, 1N, 50Hz

Model			MDV-V80WDN1	MDV-V80WDN1 MDV-V105WDN1 MDV-V120WDN1 MDV-V140WDN1 MDV-V160WDN			
Power supply		V/N/Hz			220-240/1/50		
	Capacity	kW	7.2	9.0	12.3	14	15.5
Cooling	Power input	kW	1.85	2.54	3.25	3.85	4.39
	EER		3.9	3.55	3.78	3.64	3.53
	Capacity	kW	7.2	9.0	13.2	15.4	17
Heating	Power input	kW	1.79	2.43	3.47	4.05	4.58
	COP		4.02	3.71	3.8	3.8	3.71
Connectable	Total capacity			4	5~130% of outdoor unit capa	city	
indoor unit	Max. quantity		4	5	6	6	7
	Туре				DC Inverter		
Compressor	Quantity				1		
	Type				DC		
Fan motor	Quantity			1		2	
	Type				R410A		
Refrigerant	Eactory charging	ka	2.9	95	33	3.9	3.9
	Liquid nine	mm			09.53	5.5	5.5
Pipe connections	Gas nine	mm		đ	15.9		m10.1
Air flow rate	logg bibc	3/6	50	:00		6000	ψ13.1
Sound nower leve	2	dB(A)	67	68	72	73	73
Net dimension (M		ub(A)	1075×0	00	12	900×1327×400	/5
Packing size (Wy)		mm	1120×1	100×435		1030×1456×435	
Net weight	IAD)	ka	75.5		0	95	
Gross woight		kg	85.5		106		111
Operating tompo	ratura rango	ку °С	0.		Cooling: 15-42: Hosting: 15-	.07	
operating tempe	lature range	C			ooling. 15 45, ricating. 15	27	
Model			MDV-120WD	ON1	MDV-140WDON1	MDV	-160WDON1
Power supply	1	V/N/Hz			220-240/1/50		
	Capacity	kW	12.5		14		16
Cooling	Power input	kW	3.31		3.74		4.47
	EER		3.78		3.74		3.58
	Capacity	kW	14		16		17.5
Heating	Power input	kW	3.68		4.21		4.72
	COP		3.8		3.8 3.71		
Connectable	Total capacity			45	~130% of outdoor unit capa	city	
indoor unit	Max. quantity		7		8		9
Compressor	Туре				DC Inverter		
	Quantity				1		
Fan motor	Туре				DC		
	Quantity				2		
Refrigerant	Туре				R410A		
	Factory charging	kg	2.8		3.2		3.8
Pipe connections	Liquid pipe	mm			Φ9.53		
	Gas pipe	mm		Φ15.9			Φ19.1
Air flow rate		m ³ /h			6000		
Sound power leve	2	dB(A)	72		73		73
Net dimension (V	/×H×D)	mm			900×1327×400		
Packing size (W×I	H×D)	mm			1030×1456×435		
Net weight		kg	95		99		100
Gross weight		kg	105		109		110
Operating tempe	rature range	°C		0	ooling: -15~46; Heating: -15~	-27	

Notes: 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.

Outdoor Units

Mini VRF (Standard Series) - Heat Pump 380~415V, 3N, 50Hz

Model			MDV-V120WDRN1	MDV-V140WDRN1	MDV-V160WDRN1	MDV-V180WDRN1			
Power supply		V/N/Hz		380-4	15/3/50				
	Capacity	kW	12.3	14	15.5	17.5			
Cooling	Power input	kW	3.25	3.85	4.39	5.47			
	EER		3.78	3.64	3.53	3.2			
	Capacity	kW	13.2	15.4	17	19			
Heating	Power input	kW	3.47	4.05	4.58	5			
	COP		3.8	3.8	3.71	3.8			
Connectable	Total capacity			45~130% of out	door unit capacity				
indoor unit	Max. quantity		6	6	7	9			
Comprosess	Туре			DC Inverter					
Compressor	Quantity		1						
F	Туре		DC						
Fan motor	Quantity		2						
Defrigerant	Туре		R410A						
Neingeranit	Factory charging	kg	3.3	3.9	3.9	4.5			
Disconstitute	Liquid pipe	mm		Φ	9.53				
Pipe connections	Gas pipe	mm	Φ1	15.9	Φ1	9.1			
Air flow rate		m ³ /h		6000		6800			
Sound power leve	2	dB(A)	72	73	73	74			
Net dimension (W×H×D) mm			900×1	327×400					
Packing size (W×H×D) mm			1030×1	456×435					
Net weight		kg	ç	95	102	107			
Gross weight		kg	1	06	113	118			
Operating temper	rature range	°C	Cooling: -15~27						

Model			MDV-120WDGN1	MDV-140WDGN1	MDV-160WDGN1			
Power supply		V/N/Hz		380-415/3/50				
	Capacity	kW	12.5	14	16			
Cooling	Power input	kW	3.31	3.74	4.47			
	EER		3.78	3.74	3.58			
	Capacity	kW	14	16	17.5			
Heating	Power input	kW	3.68	4.21	4.72			
	COP		3.8	3.8	3.71			
Connectable	Total capacity			45~130% of outdoor unit capacity				
indoor unit	Max. quantity		7	8	9			
C	Туре		DC Inverter					
Compressor	Quantity			1				
F	Туре		DC					
Fan motor	Quantity		2					
Defrigement	Type R410A							
Reingerant	Factory charging	kg	2.8	3.2	3.8			
Dina connections	Liquid pipe	mm		Φ9.53				
Pipe connections	Gas pipe	mm	Φ1	5.9	Φ19.1			
Air flow rate		m ³ /h		6000				
Sound power lev	el	dB(A)	72	73	73			
Net dimension (V	/×H×D)	mm		900×1327×400	1			
Packing size (W×H×D) mm		mm		1030×1456×435				
Net weight		kg	95	95 99 100				
Gross weight		kg	105	109	110			
Operating tempe	rature range	℃		Cooling: -15~46; Heating: -15~27				
1.1.1								

Notes: 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.

Mini VRF (Mini C series) - Heat Pump 220~240V, 1N, 50Hz

HP			3	4		4.5		
Model			MDV-V80W/DN1(C)	MDV-V100W/I	DN1(C)	MDV-V120W/DN1(C)		
Power suppl	y	V/N/Hz		220-240/1,	/50			
	Capacity	kW	7.2	9.0		12.2		
ca da al	Capacity	kBtu/h	24.6	30.7		40.9		
Cooling	Power input	kW	2.18	2.64		4.32		
EER		3.30	3.41		2.83			
	Capacity	kW	7.2	9.0		14.0		
2	Capacity	kBtu/h	24.6	30.7		47.8		
Heating	Power input	kW	1.82	2.10		3.17		
	COP		3.95	4.29		4.40		
onnectable	Total capacity			45~130% of outdoor	unit capacity			
ndoor unit	Max. quantity		4	6		7		
	Туре			DC inverter				
_ompressor	sor Quantity			1				
	Туре			DC				
-an motor	Quantity	1						
	Туре							
Reingerant	Factory charge	kg	2.2	2.35		3		
Pipe .	Liquid pipe	mm		Φ9.53				
connections ⁻	Gas pipe	mm		Φ15.9				
Airflow rate		m³/h	3700	5200		5000		
ound press	ure level	dB(A)	54	54		56		
Net dimensio	ons (W×H×D)	mm	982×712×440		950×840×4	26		
Packed dime	nsions (W×H×D)	mm	1048×810×485		1025×950×	510		
Net weight		kg	55	72.5		84		
Gross weight		kg	59.5	82		93		
Operating te	mperature range	°C		Cooling: -5~55, Hea	ting: -15~27			
HP			5			6		
Model			MDV-V140W/DN1(C	.)	ME	DV-V160W/DN1(C)		
Power supply	/	V/N/Hz		220-240/1,	/50			
		kW	14.0			15.5		

HP		5	6				
Model		MDV-V140W/DN1(C)	MDV-V160W/DN1(C)				
er supply V/N/Hz		220-240/1/50					
Canacity	kW	14.0	15.5				
Capacity	kBtu/h	47.8	52.9				
Power input	kW	4.56	5.35				
EER		3.07	2.90				
Capacity	kW	16.0	18.0				
Capacity	kBtu/h	54.6	61.4				
Power input	kW	4.08	5.71				
COP		3.92	3.20				
Total capacity		45~130% of outd	loor unit capacity				
loor unit Max. quantity		8	9				
Туре		DC inv	verter				
Quantity		1					
Fan motor Type Quantity		DC					
		1					
Туре		R41	OA				
Factory charge	kg	3.4	3.8				
Liquid pipe	mm	Φ9.53	Φ9.53				
³ Gas pipe	mm	Φ15.9	Φ19.1				
	m³/h	5400	5200				
ure level	dB(A)	56	56				
ons (W×H×D)	mm	1040×865×523					
ensions (W×H×D)	mm	1120×9	80×560				
	kg	91.4	95.4				
t	kg	101.4	105.4				
mperature range	°C	Cooling: -5~55, Heating: -15~27					
	y Capacity Power input EER Capacity Power input CCOP Total capacity Max. quantity Type Quantity Type Quantity Type Factory charge Liquid pipe Gas pipe ure level ons (WXHXD) nsions (WXHXD) t mperature range	y V/N/Hz Capacity kW Capacity kW EBER Capacity kW Capacity kW Capacity kW Capacity kW Cope Total capacity Max. quantity Type Ractory charge MB Gas pipe mm Gas	s MDV-V140W/DN1(C) V V/N/Hz 220-24 Capacity kW 14.0 Bower input kW 4.56 EER 30.7 Capacity kW 16.0 Capacity kW 16.0 Capacity kW 16.0 Capacity kW 4.56 Power input kW 4.08 COP 3.92 5 Total capacity 45~130% of outor Max. quantity 8 DC in Type DC in 17 Quantity 10 10 Type R4 16.0 Liquid pipe mm 45-53 Gas pipe mm 45.3 Gas pipe mm 45.3 model(NX+KD) mm 015.9 msions (WX+KD) mm 1120x9 kg 91.4 1120x9				

Notes: 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.

Wide Capacity Range

Starting at 8HP, capacity increases in 2HP increments up to 54HP, which is perfect for small to large buildings.







Wide Operation Range

The V6R VRF system has a wide operation range in cooling mode, heating mode and simultaneous cooling and heating mode.

20-36HF







Long Piping Capability

Piping length	Capability (m)
Total piping length	1000
Longest piping length-actual (equivalent)	175 (200)
Longest piping length after first branch	40/90*
Largest level difference between IDUs and ODU-ODU up (down)	110 (110)
Largest level difference between IDUs	30

*The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please contact your local dealer for further information.

Heat Recovery, Maximum Energy Saving

V6R Heat Recovery system can perform both cooling and heating operation simultaneously in one system. Heat recovery is achieved by diverting exhaust heat from indoor units in cooling mode to areas requiring heating. As a result of this, energy efficiency is maximized and electricity costs are reduced. The part load efficiencies are high as well (up to 7.8 in 8 HP category).



EER in simultaneous cooling and heating mode are based on the following conditions: Outdoor temperature ?*CDB/6*CWB, indoor temperature 2?*CDB/19*CWB for cooling, indoor temperature 20*CDB for heating.



VRF V6R Series Heat Recovery Offers simultaneous cooling and heating operation in one system

- META Technology
- Zen Air Technology
- Doctor M Technology
- Enhanced Vapor Injection (EVI) Compressor
- Triple Configurations
- ESP up to 80Pa
- Plate Heat (PHE) Subcooling
- Precise Oil Control Technology
- Multi Silent Modes
- Duty Cycling
- Backup Operation
- Refrigerant Cooling PCB
- Auto Snow-blowing Function
- Dust-clean Function
- Standard Multi-Functional Diagnosis Box
- Automatic Refrigerant Detecting/Charging/Recycling

Hot Water Supply

The V6R system can produce hot water (25° C to 80° C) when providing room air conditioning. The hot water can be used for space heating and domestic hot water, improving room comfort.

VGR outdoor unit VGR

Continuous Heating During Defrost Mode

Normally, it is necessary to stop the heating operation during defrosting. However, the continuous heating operation method makes it possible to perform defrosting while the heating operation continues. With the combination model, units perform defrosting alternately. While one unit is performing defrosting, the other continues heating.



Note: This function is only available when the indoor units connected in V6R system are 2nd generation AC VRF indoor units (which will be released soon) or 2nd generation DC VRF indoor units produced after May 31st, 2020 only.

Independent Control of Heat Exchanger and Compressor to Improve Energy Efficiency

In cooling or heating mode, for a multi-unit system, the outdoor heat exchanger and compressor are independently controlled to improve energy efficiency, which means even the compressor of the outdoor unit does not operate, the heat exchanger of this outdoor unit can be used for heat exchange. This function can maximum use the outdoor heat exchanger to improve heat exchange efficiency.



The V6R Heat Recovery system can perform simultaneous heating and cooling operation through the intelligent MS-box. It switches operation mode according to user requirement while it increases efficiency with simultaneous operation.

No

Leakage

Low

Noise

Industry First

3200-Stage

• Single Port

- Compact and light to install
- No drain piping needed
- Connect up to 8 indoor units, capacity up to 32kW
- Double direction connection for refrigerant pipe to improve installation flexibility
- Electric ball valve control precision is up to 3200-stage
- Completely close the valve with almost no leakage
- Can be opened and closed in stages with very low noise
- Can achieve cooling at ambient temperatures as low as -15°C
- High precision refrigerant flow control
- Low noise operation
- ▶ Real-time refrigerant leakage detection, safe and reliable operation.
- Real-time refrigerant leakage detection
- Provide dry contact to 3rd party for alarm and exhaust fan. When refrigerant leakage occurs, the alarm light will be on and the exhaust fan will automatically run to timely reduce the concentration of refrigerant in the room



• Multiple Ports: 4-6-8-10-12

- Compact and light to install
- Low noise operation
- Up to 5 indoor units can be connected to one port
- Up to 47 indoor units can be connected to one MS12 box
- ▶ Up to 16 kW capacity available per port
- Connect up to 280 index unit (28kW) by combining 2 ports





Outdoor Units

-15°C

Cooling

High

Precise

VRF V6R Series - Heat Recovery 380~415V, 3N, 50Hz

HP			8	10	12	14	16	18			
Model name			MV6-R252WV2RN1	MV6-R280WV2RN1	MV6-R335WV2RN1	MV6-R400WV2RN1	MV6-R450WV2RN1	MV6-R500WV2RN1			
Power supply		V/N/Hz			380-41	5/3/50					
	Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0			
Cooling ¹	Powerinput	kW	5.25	7.18	8.64	9.83	12.00	13.81			
	EER		4.27	3.90	3.88	4.07	3.75	3.62			
Heating ² (Rated)	Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0			
	Powerinput	kW	3.96	5.46	6.57	8.26	9.78	11.90			
	COP		5.66	5.13	5.10	4.84	4.60	4.20			
	Capacity	kW	25.0	31.5	37.5	45.0	50.0	56.0			
Heating ² (May)	Power input	kW	4.60	712	0.48	0.78	12.26	14.77			
ricating (wax)	COR	NTV N	6.00	1.12	2.40	160	12.20	2 70			
Connected	Total canacity		3.33	7.75	50-200% of outdo	or unit canacity	4.00	5.75			
indoorunit	Maximum quantity		50-200% of outcoor unit capacity								
Indoorunit	Tupo				DC in	P+					
Compressor	Type Ourantitu										
	Quantity				0						
	lype				Prop	eller					
	Motor type				E	C					
Fan	Quantity			1			2				
	Static pressure	Pa			0,20,40,60,80	(Selectable)					
	Air flow rate	m³/h	9000	9500	10000	14000	14900	15800			
0.0	Туре				R4	10A					
Kerrigerant	Factory charge	ka		8		-	10				
	Liquid pipe	mm		012.7			Ø15.9				
Pipe	Low pressure das pipe	mm		Φ75.4			Ф78.6				
connections ³	High pressure gas pipe	mm		m101			(D20.0				
a 1 1	Triigit pressure gas pipe	10(1)	50	ψ19.1	C 0	61	Ψ22.2				
Sound pressure le	vel*	dB(A)	58	58	60	61	64	65			
Sound power leve	24	dB(A)	78	78	81	81	88	88			
Net dimensions (V	V×H×D)	mm		990×1635×790			1340×1635×825				
Packed dimension	ns (W×H×D)	mm		1090×1805×860			1405×1805×910				
Netweight		ka		232			300				
Gross weight		ka		248			325				
	Cooling	°C(DB)	-15 ~ 52								
Ambient temp.	Listing	C(DD)									
operation range	operation range realing C(WB)										
HP Model name			20 MV6-R560WV2RN1 MV(22 ISWV2RN1	2 MV6-R680	4 WV2RN1			
Combination type			10-	10±10HD	10HD	±17HD	10HP+	1/HD			
Power supply		V/N/H	7		380-415/3/50		101111	1-611			
rowersupply	Canacity	- V/IV/I	Z 56.0		615		65	0			
Cooling	Power in put	kW/	14.36		15.87		17.01				
cooling	FER	1 1.44	14.30		3.80		400				
	Capacity	L MM	560		-	51.5	68.0				
Hasting?(Pated)	Rowerinput	LAN/	10.07		1	202	13.72				
rieating (nateu)	COP	NVV	5.13			2.03	496				
	Canacity	kw/	630		-	59.0	4.70				
Heating ² (Max)	Power input	kw/	05.0		1660		1600				
reading (max)	COP	NVV.	443		416		10.50				
Connected	Total capacity		4.10 4.53								
indoor unit	Maximum quantity		64								
	Type		DC inverter								
Compressor	Quantity				DCI	2					
	Type		Propeller								
	Motortype		Piopeier DC								
Fan	Quantity		7		7		3				
	Static pressure	Pa	2		0 20 40 60 80(Selectable)		5				
	Airflow rate	F d	0,20,40,60,8		0,20,-0,00,00	1,3Cicciaoic) 0500	100	500			
	Turne	m//n	19000			19500 23500					
Refrigerant Easton charge		1		16		K4IUA		0			
	Liquid pipe	Kg	16		4	10		0			
Pipe	Low processo and all	inm.	015.9			/1J.7		J.7 4.0			
connections ³	Low pressure gas pipe	mm	028.6			120.0	03	4.9			
c 1 1	Tringri pressure gas pipe	Inm		Ψ20.0 61		/20.U	Ψ2	0.0			
Sound pressure lev	er"	aB(A)		01		02	- e	0.0			
Sound power level	•	dB(A)		81		83	3	33			
Net dimensions (W	Net dimensions (W×H×D)		(990×1	535×790)×2	(990×163	5×790)×2	990×1635×790+13	40×1635×825			
Packed dimensions	s (W×H×D)	mm	(1090×1	805×860)×2	(1090×180)5×860)×2	1090×1805×860+1405×1805×910				
Netweight		kg		232×2	232×2		232+	-300			
Gross weight		kg		248×2	24	18×2	248+	-325			
Ambient temp	Cooling	°C(DE	3)		-15	~ 52					
operation range	Heating	°C(WE	3)		-25	~ 19					
operation range Domostic bot unter		0000	1)								

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

3. For single units, diameters given are those of the unit's stop valves. For combined units, diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the Engineering Data Book for connection piping diameters.

4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

VRF V6R Series - Heat Recovery 380~415V, 3N, 50Hz

Model name Model Asset	HP			26	28	30			
Control type Disk 1449 Disk 1449 Disk 1449 Disk 1449 Disk 1449 Control Exactly KW 7.5 3.5 3.5 3.5 Control Exactly KW 7.5 3.5 3.5 3.5 Fearing (Max) Exactly KW 7.5 7.5 3.6 3.5 Fearing (Max) Fearing (Max) KW 7.5 7.5 8.5 7.5 Fearing (Max) Fearing (Max) KW 7.5 7.5 8.5 7.5 8.5 Fearing (Max) Fearing (Max) Fearing (Max) 7.5	Model name			MV6-R735WV2RN1 MV6-R785WV2RN1 MV6-R835WV					
Tomes upply W/Hz Dist Dis Dist Dist	Combination type			17HP+14HP	12HP+16HP	17HP+18HP			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Power supply		V/N/Hz	14.1 0 1 1 0 0 0	380-415/3/50	1211 11011			
Control Prover Print WW 1846 2054 2245 4-auroj (Rato) Capacity KW 733 753 813 317 4-auroj (Rato) Capacity KW 733 753 813 813 4-auroj (Rato) Capacity KW 753 875 915 815 4-auroj (Rato) Capacity KW 753 875 915 915 4-auroj (Rato) Capacity KW 752 875 915 325 Competion Total capatity 4.8 50.2004 or othor unit capatity 386 325 Competion Trace 70 64 365 337 338 Competion Trace Competion Competion 126 386 337 338 337 338 337 338 337 338 338 337 338 337 338 338 337 338 338 336 338 338 338 338	r orrer suppry	Capacity	kW.	73.5	785	83.5			
Construction Test Test 368 360 372 teaming (lotted) Grapity WW 735 785 885 teaming (lotted) Grapity WW 745 785 885 teaming (lotted) Grapity WW 745 785 993 teaming (lotted) Grapity WW 725 787 787 teaming (lotted) Total capacity WW 725 787 787 teaming (lotted) Total capacity WW 725 787 787 787 teaming (lotted) Total capacity WW 720 787 787 787 787 787 787 787 787 787 787 787 787 787 78	Cooling	Powerinput	kW	1846	70.64	72.45			
Case by the set of t	cooling	FER	NVV.	3.08	3.80	3.77			
Heating (filtand) Dower mut WW 1433 1637 1647 COP 4360 4380 4321 1637 1637 Heating (Max) Capacity WW 6235 675 935 Corpore mut WW 1237 2137 2132 235 Corpored Total capacity 438 9200% of outdoor or capacity 366 Corpored Total capacity 438 9200% of outdoor or capacity 366 Corpored Total capacity 64 50.00% of outdoor or capacity 366 Corpored Total capacity 20.00% of outdoor or capacity 366 66 Corpored Total capacity 0.02% of 0.00% of outdoor or capacity 366 66 Corpored No 0.01 24000 24000 24000 2300 Informatic Total capacity No 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01		Capacity	kW/	73.5	78.5	83.5			
Kondy (work) Colo Add	Heating? (Pated)	Powerinput	kW/	14.83	1635	18.47			
temp (Max) Construction Constr	rieating (nateu)	COD	N.V.Y	4.06	4.90	10.47			
Heating*(Mag) Tower mut W 0.27 27.4 22.42 CP 4.38 50.20% of outfoor tragacty 33.5 Connected Toel capacity 64 33.5 Connected Toel capacity 64 33.5 Connected Toel capacity 64 50.20% of outfoor tragacity Connected Toel capacity 64 66 Connector Propeler 00 20.00.000 25800 Connector Propeler mm 0.00.40.000 (stoenoble) 25800 Connector Propeler mm 0.00.40.000 (stoenoble) 25800 Connector Propeler mm 0.00.40.000 (stoenoble) 25800 Connector Propeler mm 0.00.10.000 (stoenoble) 26800 Connector Propeler mm 0.00.000 (stoenoble) 26800 </td <td></td> <td>Conscitu</td> <td>L/M/</td> <td>4.20</td> <td>97.5</td> <td>4.52</td>		Conscitu	L/M/	4.20	97.5	4.52			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Heating? (Max)	Rowerinput	L/M/	10.27	21.74	73.3			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	riedung (wax)	COR	N.V.Y	4.20	21.74	24.23			
	C	T		4.28	4.02	3.80			
Door Unit Mass Compressor Description (According) Description (According) Description (According) an Type Control Type (According) Pa Description (According) Description (According) terr Type Control Pa Description (According) Description (According) Description (According) Description (According) terr Type (According) Pa Description (According) Description (According) Description (According) Description (According) Type (According) Type (According) Pa Description (According)	Connected	Total capacity			50-200% of outdoor unit capacity				
$\begin{tabular}{ c c c c c } \hline c c c c c c c c c c c c c c c c c c $	indoor unit	Maximum quantity			64				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Compressor	Type			DC Inverter				
ian $\begin{array}{ $		Quantity			2				
an $Vortex Vortex Vort$		lype			Propeller				
an $\begin{tabular}{ c $	_	Motor type			DC				
State presure Pa 0.0340000000000000000000000000000000000	Fan	Quantity			3				
Arriborate m/h 2400 24000 2500 2500 Prigrant Factory charge kg 8 8 9		Static pressure	Pa		0,20,40,60,80(Selectable)				
Refigeant Type Refu		Air flow rate	m³/h	24000	24900	25800			
Integration Factory charge kg 18 Oppe Competition Low pressure leasible mm 0191 Sound pressure leasible mm 028.6 Sound pressure leasible mm 028.6 Sound pressure leasible mm 028.6 Sound pressure leasible mm 090x1635x901340x1635x825 Verd membrains (Wx1+x0) mm 1090x1635x806149x1635x825 Verd membrains (Wx1+x0) mm 1090x1635x806149x1635x8010 Verd membrains (Wx1+x0) mm 1090x1635x806149x1635x8010 Verd membrains (Wx1+x0) mm 1090x1635x80149x1635x8010 Verd membrains (Wx1+x0) mm 1090x1635x80149x1635x8010 Verd membrains (Wx1+x0) MV 64900W/2RN1 MV64900W/2RN1 Statistic for water *C(DB) 200.1 230.43 Cooling V/V/VH 900.1 950.1 1000.1	Refrigerant	Туре			R410A				
Loug pipe mm 019.1 Commentions ¹ Every essay pipe mm 0.34.9 Good pressure das pipe mm 0.34.9 Good pressure devel* dB(A) 64 65 66 Start definemations (WktkD) mm 090x1635x9011940x1635x801 242x430 Start definemations (WktkD) mm 100x163x800+140x185x901 242x430 Actest dimensions (WktkD) mm 242x430 248+325 248+325 Appendion range Cooling Cooling 20-43 20-43 Pressure dash V/VHz 380415730 38415730 38415730 Cooling Capacity KW 300 557 1000 Power suppt KW 300 557 1000 263 Cooling Capacity KW 2	nengelant	Factory charge	kg		18				
Her Octogram Octogram <thoctogram< th=""> Octogram O</thoctogram<>	Dino	Liquid pipe	mm		Φ19.1				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	ripe .	Low pressure gas pipe	mm		Ø34.9				
Sound powerked* dB(A) 64 65 66 Sound powerked* dB(A) 84 99 89 89 sound powerked* dB(A) 84 99 89 89 89 sound powerked* dB(A) 84 99 120 120 89	connections	High pressure gas pipe	mm		Ø28.6				
Bit Bit <td>Sound pressure leve</td> <td></td> <td>dB(A)</td> <td>64</td> <td>65</td> <td>66</td>	Sound pressure leve		dB(A)	64	65	66			
Bit Bit <td>Cound pressure level</td> <td>-1</td> <td>JD(A)</td> <td>84</td> <td>80</td> <td>80</td>	Cound pressure level	-1	JD(A)	84	80	80			
Vet dmmsions(vX+rkU) mm 0.900 (153X-40+194X) (153X-42) Vet weight kg	sound poweriever	11.00	UD(A)	04	09	69			
Packed dimensions (W-KU0) mm To UNX B0X2001 (05X800-140X B0X200) across dimensions (W-KU0) kg	vet aimensions (w:	KHXD)	mm		990X 1635X /90+1340X 1635X 825				
Vet weight kg 222+300 sins weight kg 232+300 anbient temp, operation range Cooling $<$ C(WB) $-15-52$ operation range Cooling $<$ C(WB) $-20-43$ MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 MVGR900W2RN1 <t< td=""><td>Packed dimensions</td><td>(W×H×D)</td><td>mm</td><td></td><td>1090×1805×860+1405×1805×910</td><td></td></t<>	Packed dimensions	(W×H×D)	mm		1090×1805×860+1405×1805×910				
Gass weight Coling *C(DB) -248+325 Appendion range Coling *C(DB) -35 - 19 Domestic hot water *C(DB) -25 - 19 Domestic hot water *C(DB) -20 - 43 #P 32 34 36 Modelname MVG-R900WV2RN1 MVG-R900WV2RN1 MVG-R900WV2RN1 Sombnation type 16/19-116/19 16/19-116/19 18/19-18/19 Power input KW 90.0 95.0 100.0 Cooling Capacity KW 20.0 28.8 28.22 Cooling Edit safty KW 20.0 28.8 28.22 Cooling Edit safty KW 20.0 28.8 28.22 Heating'(Rated) Power input KW 20.0 26.0 10.0 Cooling Edit safty KW 20.0 25.2 27.0 25.9 Heating'(Rated) Power input KW 24.62 27.03 29.29.4 3.79 Connected Tota	Netweight		kg		232+300				
Ambient temp. ppration range Cooling *C (DB) 15 - 52 preation range Heating * C (WB) 27 - 19 20 - 43 Domestic hot water *C (WB) 20 - 43 20 - 43 HP MVG R900W/2RN1 MVG R900W/2RN1 MVG R900W/2RN1 Model name MVG R900W/2RN1 MVG R900W/2RN1 MVG R900W/2RN1 Combination type 16HP - 16HP 16HP - 18HP 18HP - 18HP Sover supply Agacty KW 90.0 55.0 100.0 Power input KW 90.0 55.0 100.0 22.83 28.72 ER 3.75 3.68 3.48 3.48 3.48 3.48 Heating*(Rate) Power input KW 90.0 55.0 100.0	Gross weight		kg		248+325				
Anderstrukture Virule (HP) peration range) Heating C (WB) $-25 - 19$ Domestic hot water * C (DB) $-20 - 43$ $-20 - 43$ HP 32 34 36 Combination type MVCR900WV2RN1 MVCR920WV2RN1 MV6R900WV2RN1 Cobination type 16/HP-16/HP 16/HP-18/HP 18/HP-18/HP Power supply Capacity KW 90.0 55.0 100.0 Cooling' ER 30.75 3.68 3.84 3.62 Cooling' ER 30.75 3.68 3.68 3.68 Heating'(Rated) ER 30.75 2.69 2.12 2.27 Heating'(Max) Copacity KW 90.0 5.0 100.0 Copacity KW 90.0 5.0 100.0 12.0 Heating'(Rated) Capacity KW 92.0 3.79 2.59 Copinetical Copacity KW 100.0 16.0 112.0 2.59 Copacity KW 100.0	A	Cooling	°C (DB)		-15 ~ 52				
Demestic hot water *C(DB) -20 - 43 HP 32 34 36 Model name MVE-R900W/2RN1 MVE-R900W/2RN1 MVE-R900W/2RN1 Combination type 16HP+16HP 16HP+18HP 18HP+18HP Power supply Agacity kW 90.0 95.0 100.0 Cooling! Capacity kW 90.0 95.0 100.0 EER 37.5 3.68 3.48 34.8 Coperinguit KW 90.0 95.0 100.0 Coperinguit KW 195.7 21.69 21.83 COP 4.60 4.438 4.58 Heating'(Rated) Power input KW 100.0 106.0 112.0 Power input KW 100.0 106.0 112.0 12.95 Corpressor CoP 4.08 3.92 3.79 3.79 Connected Total capacity 64 12.0 12.0 12.0 12.0 12.0 12.0 12.0 <	Ambient temp.	Heating	°C (WB)		-25 ~ 19				
HP 32 34 36 Model name MV&R300W/2RN1 MV&R920W/2RN1 MV6R920W/2RN1 MV6R920W/2RN1 Combination type V/W/tz 16/HP 16/HP 16/HP 16/HP 16/HP 18/H 18/HP 18/H Power supply Capacity KW 90.0 55.0 100.0 Cooling! Capacity KW 90.0 55.0 100.0 ERK B/HP 16/HP 16/HP 16/HP 16/HP 13/H 28/72 Cooling! Capacity KW 90.0 55.0 100.0 ERK B/HP 16/HP 16/HP 16/HP 16/HP 13/H 28/72 Heating?(Rated) Capacity KW 90.0 56.0 100.0 Cooling Capacity KW 90.0 36.6 3.48 Heating?(Nat) Capacity KW 90.0 46.0 12.0 Cool inf KW 24.52 27.03 22.54 Connected Connected Connected Connected 22.54 Connerinot	operation range	Domestic hot water	°C (DB)	-20 ~ 43					
Mode name MVC+00.0VV2/k11 MVC+00.0VV2/k11 MVC+00.0VV2/k11 Combination type 161P+124P 161P+124P 161P+124P Power supply 300-115/350 300-115/350 Cooling Executiv KW 20.0 25.0 100.0 Executiv KW 20.0 25.0 100.0 24.6 Executiv KW 20.0 25.0 100.0 24.6 Executiv KW 20.0 25.0 100.0 24.6 Executiv KW 20.0 55.0 100.0 24.6 Executiv KW 195.7 21.69 21.83 4.58 Executiv KW 100.0 106.0 112.0 12.0 Power input KW 20.0 3.92 3.79 25.200% of utdoor unit capacity 4.68 3.92 3.79 2.0 Connected Total capacity KW 2.0 2.20% 3.79 2.0 2.954 2.0 2.0 2.0 2.0 2.0	HP			32	34	36			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	wodel name			WIV6-K900WV2KN1	MV6-K950WV2KN1	MIV6-KTUUUWV2KN1			
$\begin{tabular}{ c c c c c } \hline V(Vrtz) & V(Vrtz) & 38941/9/50 & 000 & 0000 & $	Complination type		1.10101	10HP+16HP	1 10HP+18HP	18HP+18HP			
Lapacity kW 9,00 9,00 9,00 10,0 Power input kW 9,00 25,81 28,27 ERF 3,75 3,68 3,48 Heating'(Rate) Power input kW 90,00 95,00 100,00 Coper 4,00 2,581 28,27 3,68 3,48 Heating'(Rate) Power input kW 90,00 95,00 100,00 COP 4,60 4,38 4,58 4,58 Connected Total capacity kW 100,00 106,00 112,0 Connected Total capacity 4,08 29,203 3,79 Connected Total capacity 4,08 36,200 3,79 Connected Total capacity 4,08 50,200% of outdoor unit capacity 3,79 Connectors Total capacity 29,40 3,79 3,79 Connectors Total capacity 29,40 3,79 3,79 Connectors Total capacity 50,200% of outdoor u	Power supply		V/N/Hz	202.0	380-415/3/50	100.0			
Looing prover input kW 24.00 \triangle 51 28.72 ER 3.75 3.68 3.48 Heating'(Rate) Gapacity kW 90.0 95.0 100.0 Power input kW 90.0 95.0 100.0 Power input kW 90.0 95.0 100.0 Competity kW 19.0 4.8 4.8 Competity kW 102.0 4.8 4.8 Competity kW 120.2 27.03 120.9 Competity kW 24.52 27.03 25.4 Competity Mainum quantity 24.52 27.03 25.4 Compresort Iotal capacity 50-200% of outdoor unic capacity 3.79 Indoor unit Mainum quantity 2 2.72 Compresort Upge $Cinverter 0 3.79 Control Motor type Cinverter = Cinverter 0 3.600 3.600 Refrigerant Type$	C 1 1	Capacity	kW	90.0	95.0	100.0			
Ltk 3.75 3.68 3.48 Gapacity kW 90.0 95.0 100.0 Power input kW 1957 21.69 21.83 COP 4.60 4.38 4.58 Heating'(Max) Gapacity kW 100.0 106.0 112.0 Fower input kW 20.0 3.92 3.79 Connected Total capacity 4.08 3.92 3.79 Connected Total capacity 4.08 3.92 3.79 Connected Total capacity 4.08 3.92 3.79 Connected Total capacity 64 4 4.08 3.92 Compressor Ippe 2.02.00% of outdoor unit capacity 64 4 4.08	Cooling	Power input	kW	24.00	25.81	28.72			
$\begin{array}{c c c c c c c } \mbox{Heating'(Rate)} & $$ U$ $$ 0.0 $$ 5.0 $$ 10.0 $$ 0.0 $$$ 0.0 $$ 0.0 $$ 0.0 $$$ 0.0 $$ 0.0 $$$ 0.0 $$$ 0.0 $$$ 0.0 $$$ 0.0 $$$ 0.0 $$$ 0.0 $$$ 0.0 $$$ 0.0 $$$ 0.0 $$$ 0.0 $$$ 0.0 $$$ 0.0 $$$$ 0.0 $$$$ 0.0 $$$$ 0.0 $$$$ 0.0 $$$$$$ 0.0 $$$$$$ 0.0 $$$$$$$$$		EEK		3.75	3.68	3.48			
Heating'(Rated) Power input KW 1957 21.69 21.83 Heating'(Rated) COP 4.60 4.38 4.58 Heating'(Mark) Coperation KW 100.0 106.0 112.0 Power input KW 24.52 27.03 2954 Connected Total capacity 4.08 3.92 3.79 Indoor unit Maximum quantity 4.08 50-200% of outdoor unit capacity 64 Compressor Inpressor Control Contro Contro Contro Control Control Control Contro Control Control C		Capacity	kW	90.0	95.0	100.0			
	Heating ² (Rated)	Power input	kW	19.57	21.69	21.83			
$\begin{array}{ c c c c c c } \mbox{Heating*(MAX)} & \hline Capacity & kW & 100.0 & 106.0 & 112.0 \\ \hline Power input & kW & 2452 & 27.03 & 2254 \\ \hline COP & & 4.08 & 3.92 & 3.79 \\ \hline Connected & Total capacity & & & & & & & & & & & & & & & & & & &$		COP		4.60	4.38	4.58			
		Capacity	kW	100.0	106.0	112.0			
COP 4.08 3.92 3.79 Connected Total capacity 59-200% of outdoor unit capacity 64 Compressor Maximum quantity 64 52 Compressor Quantity 2 64 Type 2 2 2 Motor type Propeler DC 0 Cuantity 2 2 2 Motor type DC 0.20,40,60,000;ectable) 31600 Arthow rate m/h 29800 30700 31600 Refrigerant Type 1410A 20 1600 1600 Pipe Liquid pipe mm 019,1 20 30700 31600 Sound pressure gas pipe mm 019,1 20 1600 1600 Sound pressure gas pipe mm 019,1 20 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600	Heating ² (Max)	Power input	kW	24.52	27.03	29.54			
Connected Indoor unit Maximum quanty 59-200% of autoor unit capacity Maximum quanty 64 Compressor D/pe Quanty 2 Motor type D/C Quanty 02/04/06/00/56/ectable) Arritow rate m/h Arritow rate m/h Pipe 02/04/00/00/56/ectable) Liquid pipe mm Pipe 030700 Liquid pipe mm Pipe 03160 Liquid pipe mm Other pressure qas pipe mm Option diff, or static 02/04/00/00/56/ectable) Interview 64 Static pressure qas pipe mm Option 02/04/00/00/56/ectable) Interview 64 Sound pressure level* dB(A) Sound power level* dB(A) GA 91 Sound power level* dB(A) GA 91 Sound power level* dB(A) Sound power level* dB(A) Soun		COP		4.08	3.92	3.79			
Index unit Maximum quantity 64 Compressor Iype DC Quantity 2 2 Fan Motor type DC Quantity DC 2 Motor type DC 4 Static pressure Pa 0.204.06.08056ectable) Atifiow rate m/h 29800 30700 31600 Refrigerant Type Ratio charge Kg 2 Sound pressure lock 20 30700 31600 31600 Refrigerant Type Ration of the pressure gas pipe The 31600 31600 Sound pressure lock 4 20 30700 31600 31600 Sound pressure lock Mith pressure gas pipe mm 0.919.1 31600 31600 Sound pressure lock Mith pressure gas pipe mm 0.919.1 31600 31600 Sound prosure lock* dB(A) 67 68 68 3001 3001 31600 Sound prower lock*	Connected	Total capacity		50-200% of outdoor unit capacity					
$\begin{tabular}{ c c c } \hline \begin{tabular}{ c c } \hline \begin{tabular}{ c c } \hline \begin{tabular}{ c c } \hline \begin{tabular}{ c c } \hline \hline \ \ \begin{tabular}{ c c } \hline \hline \ \ \begin{tabular}{ c c } \hline \hline \ \ \ \begin{tabular}{ c c } \hline \hline \ \ \ \ \begin{tabular}{ c c } \hline \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	indoor unit	Maximum quantity		64					
Compressor Quantity 2 Fan Type Motor type Quantity Propeller Static pressure Arrifowrate Pa 0,20,40,60,80(Selectable) Arrifowrate m/h 29800 30'00 31600 Ippe Fan Type Arrifowrate Pa 0,20,40,60,80(Selectable) 1600 Ippe Tippe Liquid pipe m/h 29800 30'00 31600 1600 Junct Story charge kg 20 1911 10000 10000 10000 10000 10000 100000 100000 100000 100000 1000000 1000000 1000000 10000000 100000000000000000 1000000000000000000000000000	C	Туре			DC inverter				
Type Proceller Motor type DC Quantity 4 Static presure Pa Airflow rate m/h Airflow rate m/h Pipe R410A Low pressure gas pipe mm Count pressure gas pipe mm Outout pressure gas pipe mm Outout pressure gas pipe mm Opwer level* dB(A) Sound pressure level* dB(A) G7 68 Sound pressure level* dB(A) G7 68 Sound pressure level* dB(A) G7 69 Sound pressure level* dB(A)	Compressor	Quantity		7					
Fan Disc Quantity 4 Quantity 4 Quantity 4 Static presure Pa Ariflow rate m/h Zepse Refrigerant Factory charge kg Pipe Equipipe Liquid pipe mm Donnections ¹ 019.1 Jound pressure gas pipe mm Optime Sure [evelt ⁴] dB(A) Sound pressure [evelt ⁴] dB(A) Ved dimensions (WxtixD) mm (1340x1635x825)x2 91		Type		Proneller					
County 4 Static pressure Pa 0.00,40,60,80,54ectable) Air flow rate mr/h 29800 30700 31600 Refrigerant Type N410A 100 100 Pipe Liquid pipe mm 0.01 100 100 connections? High pressure gas pipe mm 0.934.0 100		Motor type			DC				
Static presure Arrifowrate Pa Mr/howrate 0,0,0,0,0,00 Science Refrigerant Factory charge m/h 29800 30'00 31600 Ippe Connections ³ Type Liquid pipes Low pressure gas pipe mm 019.1 019.1 Sound pressure level ⁴ dB(A) 67 68 68 Sound pressure level ⁴ dB(A) 91 91 91 Ved dimension (WrkkD) et dimension (WrkkD) mm (1340×1635×825)×2 91	Fan	Quantity			1				
Jank Jacksburg P all Outproduced Control of the cont	Fan	Static pressure	Pa		0.70.40.60.80(Selectable)				
Involvate Invite Invit Invit		Ainflauriante	r d	20200	0,20,40,00,00(Jelectable)	31600			
Ippe Factor (charge kg 14/10A Pipe Factor (charge kg 20 Dipe Low pressure gas pipe mm 019.1 Low pressure gas pipe mm 024.3 Sound pressure gas pipe mm 024.5 Sound pressure gas pipe mm 026.6 sound pressure (wet ^{all}) 67 68 68 sound pressure (wet ^{all}) dB(A) 91 91 91 vet dimensions (WMxHD) mm (1340x1635x825)x2 40		Air flow rate m ³ /h		29800 30/00 31600					
Factory charge kg 20 Pipe Liquid pipe mm 019.1 Low pressure gas pipe mm 024.9 High pressure gas pipe mm 024.9 Sound pressure level* dB(A) 67 68 68 Sound pressure level* dB(A) 91 91 91 Vet dimension (WxHxD) mm (1340x1635x825)×2 135×825)×2	Refrigerant	Туре		R410A					
Liquid pipe mm 019.1 Low pressure gas pipe mm 034.9 Sound pressure level* d8k0 67 68 68 Sound pressure level* d8k0 91 91 91 Vet dimensions (WX+kD) mm (1340×1635×825)×2 91 91	Jeron	Factory charge	kg		20				
Low pressure gas pipe mm 024.9 High pressure gas pipe mm 028.6 Sound pressure level* dB(A) 67 68 68 Sound pressure level* dB(A) 91 91 91 vet dimensions (WxHxD) mm (1340x1635x825)x2	Pipe	Liquid pipe	mm		©19.1				
Otomic High pressure gas pipe mm 028.6 Sound pressure level* dB(A) 67 68 68 Sound power level* dB(A) 91 91 91 Vet dimensions (WX+KD) mm (1240x1635x425)x2 59.22	connections ³	Low pressure gas pipe	mm		Φ34.9				
Sound pressure level* dB(A) 67 68 68 Sound pressure level* dB(A) 91 91 91 vet dimensions (WxHxD) mm (1340x1635x825)x2 91	connections-	High pressure gas pipe	mm	-	Φ28.6				
Sound power level* dB(A) 91 91 91 91 Net dimensions (WXHXD) mm (1340x1635x825)x2 91 91 91	Sound pressure lev	el ⁴	dB(A)	67	68	68			
Control Control Control Control Str Str <thstr< th=""> Str Str</thstr<>	Sound nower loval	4	dB(A)	91	91	91			
	Not dimonsion - AM	Sound poweriever		(1240×162×935)×2					
	Dealerd dimensions (W		11111		(1340X1033X623)X2 (1405×1805×010)×2				

Notes:

Net weight Gross weig Ambient temp. operation range

°C (DB)

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference. 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference. 3. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the Engineering Data Book for connection piping diameters. 4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

-20~43

Outdoor Units

VRF V6R Series - Heat Recovery

380~415V, 3N, 50Hz

HP			38	40	42	44				
Model name			MV6-R1070WV2RN1	MV6-R1120WV2RN1	MV6-R1185WV2RN1	MV6-R1235WV2RN1				
Combination type			12HP+12HP+14HP	12HP+12HP+16HP	12HP+14HP+16HP	12HP+16HP+16HP				
Power supply		V/N/Hz		380-4	15/3/50					
	Capacity	kW	107.0	112.0	118.5	123.5				
Cooling ¹	Powerinput	kW	27.10	29.27	30.46	32.64				
	EER		3.95	3.83	3.89	3.78				
	Capacity	kW	107.0	112.0	118.5	123.5				
Heating ² (Rated)	Powerinput	kW	21.40	22.92	24.62	26.13				
	COP		5.00	4.89	4.81	4.73				
	Capacity	kW	120.0	125.0	132.5	137.5				
Heating ² (Max)	Power input	kW	28.75	31.23	31.53	34.01				
	COP		4.17	4.00	4.20	4.04				
Connected	Total capacity		50-200% of outdoor unit capacity							
indoor unit	Maximum quantity		64							
~	Type		DCinverter							
_ompressor	Quantity	Quantity		3						
	Type		Propeller							
	Motor type		ĎC							
an	Quantity			4		5				
	Static pressure	Pa	0,20,40,60,80(Selectable)							
	Air flow rate	m³/h	34000	34900	38900	39800				
	Type				10A					
reingerant	Factory charge kg			26	28					
Dino	Liquid pipe	mm	Ø19.1							
ripe	Low pressure gas pipe	mm	Ø41.3							
connections ²	High pressure gas pipe	mm	©34.9							
Sound pressure leve	4	dB(A)	65	67	67	68				
Sound power level ⁴		dB(A)	86	89	89	91				
Net dimensions (WxHxD)		mm	(990×1635×790)×2+1340×1635×825		990×1635×790±(1340×1635×825)×2					
Packed dimensions (WxHxD)		mm	(1090×1805×860)×2+	1405×1805×910	1090×1805×860±(1405×1805×910)×2					
Netweight		ka	232×2	2+300	232+300×2					
Grossweight		ka	248×2	2+325	248+3	25×2				
	Cooling	°C (DB)		-15-	~ 52					
Ambient temp.	Heating	9C (M/B)		-25-	~ 19					
operation range	Demostic hastrontee	C (WD)								

HP			46	48	50	52	54			
Model name			MV6-R1300WV2RN1	MV6-R1350WV2RN1	MV6-R1400WV2RN1	MV6-R1450WV2RN1	MV6-R1500WV2RN1			
Combination type			14HP+16HP+16HP	16HP+16HP+16HP	16HP+16HP+18HP	16HP+18HP+18HP	18HP+18HP+18HP			
Power supply V/N/Hz			380-415/3/50							
	Capacity	kW	130.0	135.0	140.0	145.0	150.0			
Cooling ¹	Powerinput	kW	33.83	36.00	37.81	39.62	41.44			
-	EER		3.84	3.75	3.70	3.66	3.62			
	Capacity	kW	130.0	135.0	140.0	145.0	150.0			
Heating ² (Rated)	Powerinput kW		27.83	29.35	31.47	33.59	35.71			
	COP		4.67	4.60	4.45	4.32	4.20			
	Capacity	kW	145.0	150.0	156.0	162.0	168.0			
Heating ² (Max)	Powerinput	kW	34.31	36.79	39.29	41.80	44.31			
	COP		4.23	4.08	3.97	3.88	3.79			
Connected	Total capacity			50-200	0% of outdoor unit capacity					
indoor unit	Maximum quantity				64					
Compressor	Туре		DC inverter							
compressor	Quantity		3							
	Туре		Propeller							
-	Motor type									
Fan	Quantity		6							
	Static pressure	Pa			0,20,40,60,80(Selectable)					
	Airflow rate	m³/h	43800	44700	45600	46500	47400			
Refrigerant	Туре		K410A							
	Factory charge kg		30							
Pipe	Liquid pipe	mm	Φ19.1							
connections ³	Low pressure gas pipe	mm	Φ41.3							
connectoria	High pressure gas pipe	mm	©34.9							
Sound pressure level	1	dB(A)	68	69	69	69	70			
Sound power level ⁴		dB(A)	91	91 93 93 93 93			93			
Net dimensions (W×H×D)		mm	(1340×1635×825)×3							
Packed dimensions (W×H×D) r		mm	(1405×1805×910)×3							
Netweight		kg	300×3							
Gross weight		kg			325×3					
Ambinettern	Cooling	°C (DB)			-15 ~ 52					
Ambient temp.	Heating	°C (WB)	-25 ~ 19							
operation range	Domestic hot water °C (DB)		-20~43							

Notes:

Notes:
 Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of 90m or longer, please refer to the Engineering Data Book for connection piping diameters.
 Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

VRF V6R Series - MS box



Model name			MS01/N1-D	MS04/N1-D	MS06/N1-D	MS08/N1-D	MS10/N1-D	MS12/N1-D	
Power supply			220-240V~50Hz						
Max. number of inde	Max. number of indoor unit groups			4	6	8	10	12	
Max. number of indoor units per group			8	5	5	5	5	5	
Max. number of dov	vnstream indoor units		8	20	30	40	47	47	
Max. capacity of eac	h group of indoor units	kW	32	16	16	16	16	16	
Max. total capacity o	Max. total capacity of all downstream indoor units kW		32	49	63	85	85	85	
	Liquid pipe	mm	Ø9.53/Ø12.7	Ø9.53/Ø12.7/Ø15.9/Ø19.	1¢9.53/¢12.7/¢15.9/¢19.1	Ø12.7/Ø15.9/Ø19.1/Ø22.2	Ø12.7/Ø15.9/Ø19.1/Ø22.2	Ø12.7/Ø15.9/Ø19.1/Ø22	
Pipe connections	Low pressure gas pipe	mm	Ø15.9/Ø19.1/Ø22.2	Ø19.1/Ø22.2/Ø28.6	Ø19.1/Ø22.2/Ø28.6	Ø22.2/Ø28.6/Ø34.9	Ø22.2/Ø28.6/Ø34.9	Ø22.2/Ø28.6/Ø34.9	
	High pressure gas pipe	mm	Ø12.7/Ø15.9/Ø19.1	Ø15.9/Ø19.1/Ø22.2/Ø28.	5Ø15.9/Ø19.1/Ø22.2/Ø28.6	Ø19.1/Ø22.2/Ø28.6	Ø19.1/Ø22.2/Ø28.6	Ø19.1/Ø22.2/Ø28.6	
Pipe connections	Liquid pipe	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø9.53	
to IDU ¹	Gas pipe	mm	Ø12.7/Ø15.9	Ø12.7/Ø15.9	Ø12.7/Ø15.9	Ø12.7/Ø15.9	Ø12.7/Ø15.9	Ø12.7/Ø15.9	
Sound pressure leve	l)	dB(A)	40	44	45	47	47	47	
Sound power level ¹		dB(A)	60	63	65	65	65	65	
Net dimensions (W×H×D) mm		mm	440×195×296	668×250×574	668×250×574	974×250×574	974×250×574	974×250×574	
Packed dimensions (W×H×D) mm		740×275×405	1020×390×850	1020×390×850	1320×390×850	1320×390×850	1320×390×850		
Net weight kg		10.5	33	36	48	51	54		
Gross weight		kg	14	58	61	79	82	85	

Note: 1 There is more than one size for pipe diameter in the above table because MS provides multiple sizes for different installation conditions.

VRF V6R Series - High temperature hydro module

Model Power supply			SMK-D140HN1-3			
			220-240V~50Hz			
Heating Capacity ¹		kW	14			
Operating	Heating	°C	-20~30			
temperature range	Domestic hot water	°C	-20~43			
Water temperature		°C	25~80			
Water flow rate	Nominal (MinMax.)	m³/h	2.4 (1.2-2.9)			
Allowable water pre	essure	Bar	1-10			
	Туре		R134a			
Refrigerant	Factory charge	kg	1.2			
Sound pressure level c		dB(A)	44			
Net dimensions (W>	<h×d)< td=""><td>mm</td><td colspan="4">450x795x300</td></h×d)<>	mm	450x795x300			
Packed dimensions	Packed dimensions (W×H×D)		735×820×380			
Net / Gross weight		kg	58 / 67.2			
	Connection type		Brazing			
Refrigerant pipe	Liquid pipe diameter	mm	Ф9.53			
	Gas pipe diameter	mm	©12.7			
	Connection type		External thread			
Water pipe	Inlet pipe diameter	mm	©25.4			
	Outlet pipe diameter	mm	©25.4			
Unit installation am	bient temperature range	°C	0~40			
Unit installation pla	ice		Indoor only			
Noto						

Nominal heating capacity is based on the following conditions: ambient temperature 7°C DB/6°C WB; water inlet/outlet temperature 40°C DB/45°C.

60