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TMV5 DC Inverter Multi VRF System with its high-efficient inverter compressors have four exciting features which are different from those found on traditional inverter air conditioners: more energy-saving and comfortable, more reliable and more precise operation, providing users with the best air conditioning erience.



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HIGH-EFFICIENT DC INVERTER CONTROL TECHNOLOGY

Thanks to the all DC inverter technology, the optimized system design and the precise intelligent control technology, TMV5 system operates with outstanding efficiency.

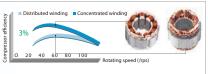
All DC Inverter Compressor

 Only DC inverter compressor is used in this system. It can directly intake gas to reduce loss of overheat and improve efficiency.



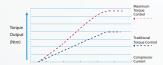


 High-efficient permasyn motors are installed, giving better performance than traditional D.C. inverter compressors.



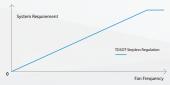
Technology of maximum torque control with minimum current

It can reduce energy loss caused by device winding so as to realize higher efficiency.



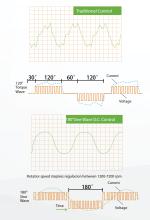
Low-frequency torque control

It can directly control motor torque, through which fan motor can run at a low speed. Users will feel more comfortable while requirements of the system are also met.



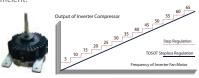
180°Sine Wave DC Speed Varying Technology

It can satisfy various places' demands for different temperature and is able to save a great deal of electricity and provide users with utmost comfort at the same time.

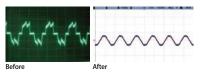


Sensorless D.C. Inverter Fan Motor

Stepless speed regulation ranges from 5Hz to 65Hz. Compared with traditional inverter motors, it's also more efficient.



 Sensorless control technology guarantees lower noise, less vibration and steadier operation.



New Energy-saving Control Technology

The TMV5 System has 2 modes for energy saving which can be chosen to meet different electricity demands.

Mode 1

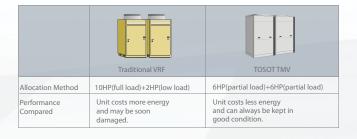
In auto energy saving mode, system will self-adjust parameters according to the operation status, thus to lower the cost of electricity. Up to 15% of energy can be saved.

• Mode 2:

In compulsory energy saving mode, system will limit power output forcibly. Up to 20% of energy can be saved.

Energy Auto Allocation Technology

- When total load demands more than 75% of a running unit's capacity, one more unit will automatically start;
- When total load demands less than 40% of a running unit's capacity, one unit will automatically turn off;
- Therefore, each unit shares 40%-75% of the total load.
- Experiments show that an air conditioner costs the least energy when it's operating within 40%-75% of its capacity.

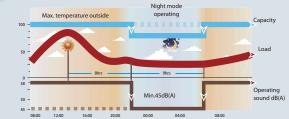


COMFORTABLE DESIGN FOR BETTER LIFE

The TMV5 System has a wider range of working conditions. Whether it's in cool winter or hot summer, normal operation is guaranteed with the least noise, making users feel more comfortable.

Outdoor Unit Ouiet Mode

 Quiet at Night System can remember the highest temperature outdoors. When night comes, system will automatically turn to quiet mode. There are 9 quiet modes which can be set according to actual needs.



Quite in Compulsion
 System can also be set in this mode to ensure low noise as long as unit is operating. The minimum of low noise degree is 45dB(A).



Indoor Unit Quiet Mode

The indoor unit of the TMV5 system also adopts DC Inverter motors to realize stepless regulation. According to indoor temperature or people's actual needs, users can set this mode through the indoor wire control. The minimum of low noise degree is 25dB(A).



Heating Fast Technology

DC Compressor is first started to avoid too much electric current. When inverter compressor is on, system can be operating under high frequency to produce more heat.



Quiet Control Design

noise degree can drop 3dB(A).

 Optimized Bossing Design
 After many times of CFD tests, a new fan bossing structure has been developed to reduce vibration of fan running. Low





•Aerodynamics 3-dimensional Axial Fan
Compared to normal fan, it can increase 12% of wind flow,
improving efficiency as well as lowering noise.





Wide Range of Working Condition

• The TMV5 system has improved its outdoor operation temperature range to -5 $^{\circ}$ C —50 $^{\circ}$ C (for cooling) and -20 $^{\circ}$ C —24 $^{\circ}$ C (for heating).







• Wide Range of Voltage

The TMV5 system has improved its working voltage range to 320V-460V, which surpasses the national standard of 342V-420V. For places wi h unsteady voltage, this system can still be running well.



INTELLIGENT OPERATION

TOSOT TMV5 intelligent operation is user-friendly for its cability to meet people's different needs

Season Setting

The cooling or heating mode can be deactivated during a certain season to avoid the mode conflict in case of miss operation.



Emergency Auto-off Control

The outdoor unit can be linked with a fire alarm signal. In case of emergency, unit can automatically turn off to avoid risk or further loss.



Electricity Shortage Identification

The outdoor unit can receive a power signal of electricity shortage. In some places like fist-class hotels, diesel generator may sometimes be used to provide electricy. In this case, this signal will be received and only VIP rooms can be provided with air conditioning service.

Indoor Unit Repairs

When a certain indoor unit needs to be repaired, it can be power off without any interruption to the system's operation.

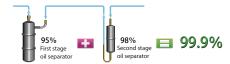


EXCELLENT PERFORMANCE WITH ADVANCED TECHNOLOGY

Through 10 years' of study and experiments, TOSOT TMV5 has further upgraded to a higher level, from parts and components, controlling technology to communication technology.

Two-grades Oil Separation Control Technology (Patented)

First-grade oil separator has a filtered expansion valve with a 98% of separation efficiency; Second-grade oil separation will separate the remained 2% refrigerant oil with 95% of separation efficiency. General Efficiency is 99.9%.



Modular Operating

Modules 12h rotation operating

The operating priority sequence of the outdoor unit modules will be changed without restart when the system accumulatively operates for 12 hours, which can maximize the service life of the system.



• Emergency operation

Each module is an independent sub-system, and the whole system won't fail down even if partial malfunction. Upon malfunction of any one of the modules, emergency operation can be performed after simply manual set up on the outdoor PCB switches.



Refrigerant Storage and Distribution Technology

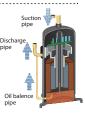
The TMV5 system is designed without liquid receiver and the excess refrigerant is stored in the piping, which can minimize the refrigerant charging volume and enhance the control accuracy of the refrigerant.

Oil Balance Control Technology

 Oil Balance between Units Based on the actual status of each unit and compressor, system can regulate compressor's operation and realize oil balance.



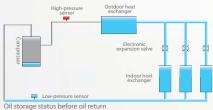
 Oil Balance between Compressors Refrigerant is taken into a compressor by an intake pipe and then runs through the cooling system. It can control oil level and the minimum oil each compressor needs and therefore realize oil balance.

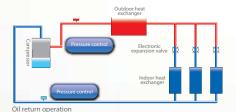


Oil return control technology

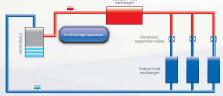
New oil return control

TOSOT new oil return control technology effectively controls system oil return and oil storage status of each compressor, which greatly improves the operation lifespan of compressor.





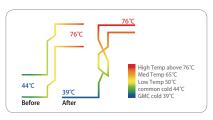
 Specialized compressor oil storage control The unit applies specialized compressor oil storage technology, which can control the lowest oil level for compressor operation. The unit applies specialized compressor oil storage technology, which can control the lowest oil level for compressor operation.



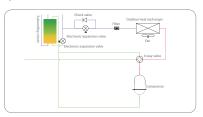
Oil storage operation

Subcooling Control

• Heat Exchange Circuit can control the first subcooling process of heat exchanger. Subcooling degree can reach



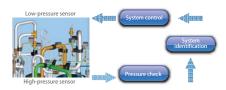
• Subcooling circuit can realize 9 °C second subcooling to guarantee cooling and heating performance.



Intelligent Checking Control

• Pressure Sensor Checking Control

It can precisely check out unit's high pressure and low pressure and control the output of fan and compressor so as to make sure the system can work under the most energy-saving pressure condition.



• Temperature Sensor Checking Control

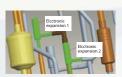
Various temperature sensors are equipped to check out ambient temperature, indoor temperature and refrigerant's evaporating temperature, from which the operating condition can be measured.

Multi Electronic Expansion Valve Control

Electronic expansion valve is one of the four basic components in an air conditioner. Besides controlling the current, it can regulate the flow of refrigerant into an evaporator.

Outdoor Unit

Dual electronic expansion valve with its 960 grades of regulation can precisely regulate refrigerant's flow between outdoor unit and indoor unit.



Indoor Unit

2000 pulses electronic expansion valve can maintain the indoor temperature as it is set with a deviation of 0.3 °C above or below.



Energy-saving Output

The best heating or cooling performance can be realized in the most energy-saving way. DC inverter compressor and D.C. inverter fan will also be operating in this way to ensure high efficiency.



Emergency Operation Function

Emergency Function

The TMV 5 system can realize a combination of 4 outdoor unit modules. When error is occurred to one of the modules, the others will perform the emergency operation to sustain the air conditioning.

Emergency Operation of Compressor

All the compressors in each single module are DC Inverter based, when one compressor has error, others will perform the emergency operation.

Emergency Operation of Fan
 Double-fan design ensures that one fan can still work even if the other







Eco-friendly refrigerant R410A

- Advantages of R410A
- ▶ More excellent cooling/heating effect
- ► More energy saving
- ▶ Environmental protection
- ▶ The system is more reliable and durable
- ▶ Without depletion to ozone layer





Note: At present, EU and Japan have phased out R22 refrigerant completely, while eco-friendly refrigerant R410A will be adopted.

EASY INSTALLATION FOR VARIOUS KINDS OF CONSTRUCTION

ODU High Static Pressure Design

System has 4 levels of static pressure that can be set. Up to 80Pa pressure can be set for an outdoor unit. This design is especially useful when an outdoor unit needs to be placed indoors.



Wider Choices of Location

TMV5 can realize a combination of 4 models and connect as many as 80 indoor units. It's especially applicable for business buildings or hotels.



Max.IDU conection:80sets

1000m Pipe design, Simple Installation

The TMV5 System can be applied in different types of building construction. One of the advantages of multi VRF system is the simple pipe design, which can reduce the cost of installation and make installation much simpler.

Max. Total piping length -- 1000m*1

Max. Actual piping length -- 165m

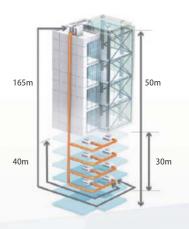
Max. height difference between indoor units – 30m

Max. height difference between ODU and IDU units – 50m*2

Max. pining length from first indoor branch to the farthest

Max. piping length from first indoor branch to the farthest indoor unit – $\frac{40m}{}$

- *1 With limited conditions, please refer to the service manual for detail.
- *2 This value is based on the outdoor unit is located above the indoor unit. If the outdoor unit is located underneath the indoor unit, the value is 90m.



Intelligent Debugging, Faster Construction

TMV5 has 5 auto debugging features:

- Automatically allocates ODU and IDU addresses.
- Automatically calculates numbers of ODU and IDU;
- Automatically detects errors;
- Automatically starts debugging;
- •Real-time check of pipe errors.



Series Connection of Power Cords

Outdoor units are equipped with high-cap wiring boards. Power cords can be connected in series, which can make construction more convenient and also lower the cost.



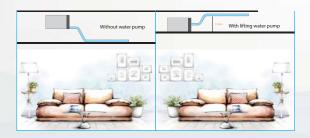
Easier for Maintenance

Inspection panel is available for quick checking of system operation status.



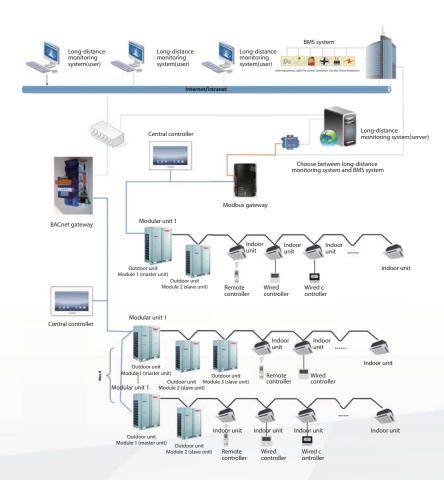
Lifting water pump solves the problem of installation height

There are different kinds of indoor units to meet your requirement. Ultra-thin body and optional lifting water pump contribute to beautiful appearance of ceiling.



MULTIPLE INTELLIGENT CONTROLS MANAGEMENT

TOSOT TMV5 provides multiple intelligent controls in order to satisfy all demands. It can control both a room and a building at the same time.



Various Controls, More Flexible

There are two kinds of controllers: wired controller and remote controller. System has various controls for users, such as cooling, heating, dehumidifying and fan only.

		Liquid crystal display with black background and white words; touch pads
	888	24 hours time setting for on/off
Wired Controller		Display of precise ambient temperature; 5 levels of fan speed; sleeping mode
	E = = 3	Cooling, dehumidifying, fan only, heating and so on
		Ventilation, quiet(auto quiet), light, energy-saving, cleaning, auxiliary heating, drying, memory
Remote Controller	10 to	5 modes: auto, cooling, dehumidifying, fan only and heating. 5 levels of fan speed; and other functions: strong, drying, auxiliary heating, healthy, ventilation, energy saving, sleeping mode and delay timing; fan direction can be switched to up/down, left/right; 2 quiet modes and a light control.
		Simplified function and convenient operation;
	000	With back lighting, convenient for night operation
Hotel wired controller	000	Can be switched in cooling, dry, fan and heating operation mode; five optional fan speeds;
	0	Door control system can be connected;
	1000	Can receive the signal from remote controller to control the unit
Central controller	e transiti	Fashionable appearance with colored touch screen for humanized operation; control 256 sets of indoor unit in maximum; single unit control, group control and central control are available; with the functions of calendar management, parameter setting, project setting, etc.

• Single control of one unit Each indoor unit has an independent controller.



Central control of several indoor units
 One wired controller can control as many as 16 indoor units.



 Multiple control of one unit
 One indoor unit can be controlled by several wired controllers at different places.



Joint control of remote controller and wired controller

Users can control one unit with two types of controllers: a remote controller which is convenient and flexible; or a wired controller which includes every function of an air conditioner.



New CAN Network Control, Better Network Performance

Performance Index	Ordinary Multi VRF Network	TMV5 D.C. Inverter CAN Network
	Software check	Hardware check, more reliable
Reliability	One unit's communication error may lead to a breakdown of the whole network	If one unit has errors, it will exit from the network without any influence to other units.
Communication Efficiency	Low utilization	High utilization
	Communication speed is about 10Kbps.	Communication speed is 20Kbps.
Compatibility	One main network, difficult to add new equipment	Multiple main networks, easy to add new equipment.
Communication Distance	1000m	1500m

Wired Controllers for Hotel Management

Unit can turn on or off by inserting or removing a card. When the card is removed from a wired controller, system can remember all the setting and stop working; when the card is inserted back, system will stand by or restart in the setting last used. It will be especially useful for the service industry, like hotels and restaurants.





BACnet gateway

- 1) The gateway is with international standard BACnet/IP protocol interface, which has passed BTL certification.
- 2) Each gateway can be connected to 8 sets of cooling systems in maximum (32 sets of outdoor unit in maximum), but indoor unit quantity can not exceed 48 sets.
- 3) Long-distance monitoring on the operation status of indoor unit and outdoor unit.
- 4) Long-distance setting of ON/OFF, mode and temperature, etc. of indoor unit.
- 5) Achieve energy saving, shielding and locking operation statuses.
- 6) Support 4 DI input and 4 DO output.



Modbus gateway

- 1) The gateway is with Modbus protocol interface and one bus line can be connected to 255 gateways in maximum.
- 2) Each gateway can be connected to 16 sets of cooling systems in maximum (64 sets of outdoor unit in maximum), but indoor unit quantity can not exceed 128 sets.
- 3) Long-distance monitoring on the operation status of indoor unit and outdoor unit.
- 4) Long-distance setting of ON/OFF, mode, fan speed and temperature, etc. of indoor unit.
- 5) Achieve energy-saving mode and temperature limitation functions.
- 6) Achieve shielding and locking operation statuses.
- 7) Linkage control, support 5 DI and 6 DO input and output equipment linkage.



Remote Controlling System

Everyday Management

Setting for daily operation

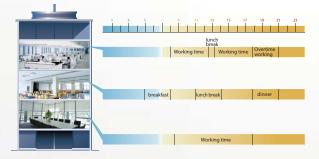
- a.Management in days/weeks/months/years
- b.Management in each unit
- c.Simple display for management

Other functions

- a.Power on/off, modes, humidity, fan speed
- b.Waste of energy that may be caused by forgetting to
- turn off the air conditioner can be avoided.

Everyday Management at different locations

- a.Management for overtime working
- b.Management for meals
- c.Management for offices



Visualized Management

- •System has a map that can display air
- conditioners' locations in rooms and buildings.
- •System is able to measure the status and number of air conditioners in different levels





Group Management

•Central management in groups

- a.Free choices of dividing groups
- b.Central control over power on/off
- c.Central control over temperature
- d.Central control over modes
- e.Central control over user authority



Authority Management

Only for indoor units

- a.Limited control over power on/off
- b.Limited control over temperature
- c.Limited control over modes



Statistics Analysis

Recording statistics

System can self generate graphs of statistics for easy management and analysis.

Recording errors

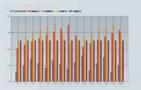
System can show the information of errors in charts and send alarms of errors through emails.

Recording operation

System can record users' daily operation.







Calculating Cost of Electricity

Auto calculation according to users

a. According to the operating time, modes, flow of refrigerant, humidity and other factors, system can calculate the cost of electricity for users in different locations.

b.Detailed information of bills and operation can be provided.



Energy Management

Analysis of energy cost

a.Air conditioners that cost much energy

b.Air conditioners that are set in low temperature

c.Air conditioners with bad cooling performance

Ways to save energy based on the following aspects:

a.Operating time

b.Unit is on too early

c.Unit is off too late

d.Comfort

e.Cost of electricity/cost of electricity per square

Energy-saving

Limits on electricity

a. Analysis on the cost of electricity

b.Set the maximum cost of electricity and unit will be operating in limited conditions when the maximum number is reached.

c.System can remind users the cost of electricity during operation and give suggestions on energy saving.

Economic operation

System is able to operate under an energy-saving condition



VIP Management

System can provide independent and unique service to VIP users.





SPECIFICATIONS & PARAMETER OF OUTDOOR UNITS

▶ Outdoor Units Lineup

_			
НР	Model	Combinations	Product Outlook
8	TMV-OD0808MTAO	_	TOMOT I MAN I
10	TMV-OD1008MTAO	-	
12	TMV-OD1208MTAO	<u> </u>	
14	TMV-OD1408MTAO		7
16	TMV-OD1608MTAO	_	
18	TMV-OD1808MTAO	10 HP + 8 HP	
20	TMV-OD2008MTAO	10 HP + 10 HP	
22	TMV-OD2208MTAO	10 HP + 12 HP	Trace II I I I I I I I I I I I I I I I I I
24	TMV-OD2408MTAO	10 HP + 14 HP	2.
26	TMV-OD2608MTAO	10 HP + 16 HP	
28	TMV-OD2808MTAO	12 HP + 16 HP	
30	TMV-OD3008MTAO	14 HP + 16 HP	
32	TMV-OD3208MTAO	16 HP + 16 HP	
34	TMV-OD3408MTAO	10 HP + 10 HP + 14 HP	TOROY TOROY
36	TMV-OD3608MTAO	10 HP + 10 HP + 16 HP	
38	TMV-OD3808MTAO	10 HP + 12 HP + 16 HP	Tomare Tomare Tomare
40	TMV-OD4008MTAO	10 HP + 14 HP + 16 HP	mr mr mr
42	TMV-OD4208MTAO	10 HP + 16 HP + 16 HP	
44	TMV-OD4408MTAO	12 HP + 16 HP + 16 HP	Table Table Table Table
46	TMV-OD4608MTAO	14 HP + 16 HP + 16 HP	
48	TMV-OD4808MTAO	16 HP + 16 HP + 16 HP	
50	TMV-OD5008MTAO	10 HP + 10 HP + 14 HP + 16 HP	TOROT TOROT TOROT
52	TMV-OD5208MTAO	10 HP + 10 HP + 16 HP + 16 HP	
54	TMV-OD5408MTAO	10 HP + 12 HP + 16 HP + 16 HP	1000 1000 1000 1000 1000
56	TMV-OD5608MTAO	10 HP + 14 HP + 16 HP + 16 HP	
58	TMV-OD5808MTAO	10 HP + 16 HP + 16 HP + 16 HP	
60	TMV-OD6008MTAO	12 HP + 16 HP + 16 HP + 16 HP	
62	TMV-OD6208MTAO	14 HP + 16 HP + 16 HP + 16 HP	
64	TMV-OD6408MTAO	16 HP + 16 HP + 16 HP + 16 HP	

▶ Specifications of Outdoor Units

Model	Power Supply	Cooling		Pov Inp		Dimension(W*D*H)	Airflow Volume	ESP	Noise	Noise at Night Operation Noise	Conne pipe d Gas	cting iameter Liquid	Oil Balance Pipe	Min. circuit current	Max. fuse current	Weight
		kW	kW	kW	kW	mm	m³/h	Pa	dB(A)	dB(A)	mm	mm	mm	Α	A	kg
TMV-OD080*		22.4	25.0	5.45	5.8	930×765×1605	11400	80	60	45	Ф9.52	Ф19.05	-	17.7	20	225
TMV-OD010*		28.0	31.5	7.3	7.85	930×765×1605	11400	80	61	45	Ф9.52	Ф22.2	_	23.0	25	225
TMV-OD120*		33,5	37.5	8.73	9.68	1340×765×1605	14000	80	63	45	Ф12.7	Ф25.4	_	27.1	32	285
TMV-OD140*		40.0	45.0	11.10	11.50	1340×765×1605	14000	80	63	45	Ф12.7	Ф25.4	_	36.4	40	360
TMV-OD160*		45.0	50.0	13.15	13,60	1340×765×1605	14000	80	63	45	Ф12.7	Ф28.6	_	38.3	40	360
TMV-OD180*		50.4	56.5	12.75	13.65	2×(930×765 ×1605)	2×11400	80	64	48	Ф15.9	Ф28.6	Ф9.52	39.6	40	2×225
TMV-OD200*		56.0	62.5	14.60	15.70	2×(930×765 ×1605)	2×11400	80	64	48	Ф15.9	Ф28.6	Ф9.52	41.8	50	2×225
TMV-OD220*		61.5	69.0	16.03	17.53	(930×765 ×1605)+(1340×765×1605)	11400+14000	80	65	48	Ф15.9	Ф28.6	Ф9.52	45.6	50	225+285
TMV-OD240*		68.0	76.5	18,40	19,35	(930×765 ×1605)+(1340×765×1605)	11400+14000	80	65	48	Ф15.9	Ф28.6	Ф9 <u>.</u> 52	54.0	63	225+360
TMV-OD260*		73.0	81.5	20.45	21.45	(930×765×1605)+(1340×765×1605)	11400+14000	80	65	48	Ф19.05	Ф31.8	Ф9.52	55.8	63	225+360
TMV-OD280*		78.5	87.5	21,88	23,28	2×(1340×765×1605)	2×14000	80	66	48	Ф19.05	Ф31.8	Ф9,52	66,1	80	285+360
TMV-OD300*		85.0	95.0	24.25	25.10	2×(1340×765×1605)	2×14000	80	66	48	Ф19.05	Ф31.8	Ф9.52	67.9	80	2×360
TMV-OD320*		90,0	100,0	26,30	27,20	2×(1340×765×1605)	2×14000	80	66	48	Ф19 , 05	Ф31,8	Ф9,52	69,7	80	2×360
TMV-OD340*		96.0	108.0	25.70	27.20	2×(930×765 ×1605)+(1340×765×1605)	2×11400+14000	80	67	48	Ф19.05	Ф31.8	Ф9.52	74.9	80	2×225+360
TIMV-OD360*	380V 3N- 50Hz	101,0	113,0	27,75	29,30	2×(930×765 ×1605)+(1340×765×1605)	2×11400+14000	80	67	50	Ф19,05	Ф38,1	Ф9,52	76,7	80	2×225+360
TMV-OD380*		106.5	119	29.18	31.13	(930×765 ×1605)+2×(1340×765×1605)	11400+2×14000	80	67	50	Ф19.05	Ф38.1	Ф9.52	87.1	100	225+285+360
TMV-OD400*		113	126.5	31.55	32.95	(930×765×1605)+2×(1340×765×1605)	11400+2×14000	80	67	50	Ф19.05	Ф38.1	Ф9.52	88_88	100	225+2×360
TMV-OD420*		118	131.5	33.60	35.05	(930×765 ×1605)+2×(1340×765×1605)	11400+2×14000	80	67	50	Ф19.05	Ф38.1	Ф9.52	90.6	100	225+2×360
TMV-OD440*		123.5	137.5	35.03	36.88	3×(1340×765×1605)	3×14000	80	68	50	Ф19.05	Ф38.1	Ф9 <u>.</u> 52	101.0	125	285+2×360
TMV-OD460*		130	145	37.40	38.70	3x(1340x765x1605)	3×14000	80	68	50	Ф19.05	Ф38.1	Ф9.52	102.8	125	3×360
TMV-OD480*		135	150	39,45	40.80	3×(1340×765×1605)	3×14000	80	68	50	Ф19.05	Ф38.1	Ф9 <u>.</u> 52	104,6	125	3×360
TMV-OD500*		141	158	38.85	40.80	2x(930x765x1605)+2x(1340x765x1605)	2×11400+2×14000	80	69	52	Ф22.2	Ф44.5	Ф9.52	109.8	125	2x225+2x360
TMV-OD520*		146	163	40.90	42.90	2×(930×765×1605)+2×(1340×765×1605)	2×11400+2×14000	80	69	52	Ф22,2	Ф44.5	Ф9.52	111.5	125	2×225+2×360
TMV-OD540*		151.5	169	42.33	44.73	(930×765 ×1605)+3×(1340×765×1605)	11400+3×14000	80	69	52	Ф22.2	Ф44.5	Ф9.52	115.3	125	225+285+2×360
TMV-OD560*		158	176.5	44.70	46.55	(930×765×1605)+3×(1340×765×1605)	11400+3×14000	80	69	52	Ф22,2	Ф44.5	Ф9,52	123.7	125	225+3×360
TMV-OD580*		163	181.5	46.75			11400+3×14000	80	69	54	Ф22.2	Ф44.5	Ф9.52	125.5	160	225+3×360
TMV-OD600*		168.5	187.5	48.18	50,48	4×(1340×765×1605)	4×14000	80	70	54	Ф22,2	Ф44.5	Ф9,52	129.2	160	285+3×360
TMV-OD620*		175	195	50.55	52.30	4x(1340x765x1605)	4×14000	80	70	54	Ф22.2	Ф44.5	Ф9.52	137.6	160	4×360
TIMV-OD640*		180	200	52,60	54,40	4×(1340×765×1605)	4×14000	80	70	54	Ф22,2	Ф44,5	Ф9,52	139,4	160	4×360

Note: Select the air switch according to maximum fuse current; Select electric wire specification according to minimum current circuit.

VARIED INDOOR UNITS

TMV5 DC Inverter Multi VRF System not only features energy-saving, slim design, elegant outlook and excellent airflow performance, but also has been upgraded as regards cleanness and comfort, intelligent control and convenient installation.

High-efficiency Low Static Pressure Duct Type Indoor Unit

- DC inverter motor: more energy saving With good speed regulation performance, DC inverter motor can work reasonably according the indoor unit's actual needs. Motor efficiency improved by 30% v.s. normal motor.
- Intelligent drainage device
 Water height difference up to 1.0m, which can effectively drain out condensing water and save space.
 Note: Please specify if you need this function.
- Ultra-low noise operation
 DC inverter motor can realize stepless speed
 regulation to lower noise. Indoor unit can be set to
 work under auto quiet mode via wired controller.
 Noise is as low as 25dB(A).

Multiple protections

Anti-freezing protection, temperature malfunction protection, fan motor overload protection, auxiliary electric heating overheat protection and humidity sensor protection.



High Static Pressure Duct Type Indoor Unit

- High static pressure design
 Static pressure can be up to 120Pa, especially suitable for places in need of long distance airflow.
- Convenient installation
 You can choose circular air duct or rectangular air duct
 according to actual needs. Or you can choose different
 ways of air return.



- Easy maintenance
 Unit has maintenance port for easy maintenance.
- Protection Function

Anti-freezing protection, fan motor overload protection, temperature sensor malfunction protection, auxiliary electric heating overheat protection.



Low Static Pressure Duct Type Indoor Unit

- Low static pressure, low noise
 Especially suitable for rooms of compact structure or small installation space. Also, it provides you with a comfortable and quiet living environment.
- Intelligent drainage device
 Water height difference up to 1.0m, which can effectively drain out condensing water and save space.
 Note: Please specify if you need this function.
- Protection Function
 Water overflow protection(applicable for water pump units), anti-freezing protection, fan motor overload protection, temperature sensor malfunction protection, auxiliary electric heating overheat protection.

Convenient installation Tab type plastic filter, detachable fan motor, independent water pump assembly and electric box assembly, all for convenient maintenance.

Safety design
 With ceramic PTC electric heating, it features safe
 operation, high heat exchange efficiency, quick
 temperature rising, no oxygen consumption, constant
 temperature, etc.



Two-way Cassette Indoor Unit

- Beautiful Appearance
 With beautiful and elegant front panel, it is congenial to the indoor surroundings.
- Protection Function
 Water overflow protection, anti-freezing protection, temperature sensor malfunction protection, fan motor overload protection.
- 2-way airflow design for narrow rooms Long-distance and 2-way airflow design, especially suitable for narrow rooms.
- Intelligent drainage device
 Water height difference up to 1.0m, which can effectively drain out condensing water and save space.



Four-way Cassette Indoor Unit

- Multiple airflow directions
 Auto operation, 4-way airflow and 3-way airflow with strong circulating airflow volume.
- High drain pump lift
 Drain pump lift reaches 1000mm, which can effectively drain out condensing water.
- Long life filter
 Cleaning cycle is 20 times longer, more convenient for maintenance.
- Protection Function
 Water overflow protection, anti-freezing protection,
 temperature sensor malfunction protection, fan motor
 overload protection, auxiliary electric heating
 overheat protection (This function is not included in
 unit with heat pump only).



High-efficiency Floor Ceiling Indoor Unit

- Hoisted or seated, flexible installation
 Unit can be hoisted or seated. When seated, suspended ceiling is not needed.
- Protection Function
 Anti-freezing protection, temperature sensor malfunction protection, fan motor overload protection.
- Beautiful Appearance
 With beautiful and elegant front panel, it is congenial to the indoor surroundings.
- Horizontal and vertical air swing Wider air swing range for your comfortable working and living environment.



High Efficiency Four-way Cassette Indoor Unit

- Strong and balanced airflow
 Unit features auto operation, 4-way airflow, 7 fan speeds and strong circulating airflow.
- DC inverter motor
 With good speed regulation performance, motor efficiency improved by 30% v.s. normal motor.
- Intelligent drainage device
 Water height difference up to 1.0m, which can effectively drain out condensing water and save space.
- Ultra-low noise operation
 DC inverter motor can realize stepless speed regulation to lower noise. Indoor unit can be set to work under auto quiet mode via wired controller.
- Protection Function
 Water overflow protection, anti-freezing protection, temperature sensor malfunction protection, fan motor overload protection, auxiliary electric heating overheat protection (This function is not included in unit with heat pump only).



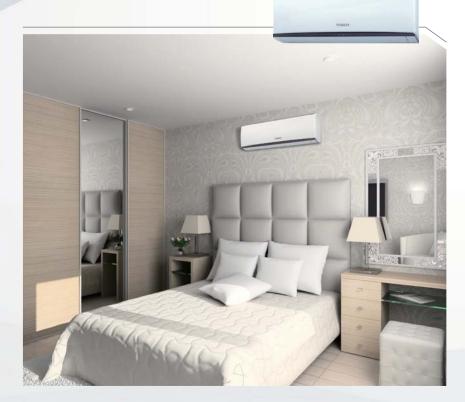
One-way Cassette Indoor Unit

- Small installation space
 With 185mm ultrathin design, unit can be installed in a 19cm ceiling.
- Detachable grille and long life filter
 Grille is detachable for easy cleaning. With long life filter, cleaning cycle is 20 times longer.
- High drain pump lift
 Drain pump lift reaches 1.0m, which can effectively drain out water.
- Protection Function
 Water overflow protection, anti-freezing protection,
 fan motor overload protection, temperature sensor
 malfunction protection, auxiliary electric heating
 overheat protection (This function is not included in
 unit with heat pump only).



Wall-mounted Indoor Unit

- Comfortable and balanced airflow, up&down air swing Up air swing: In cooling, cool air blows out horizontally and then gradually drops.
- Down air swing: In heating, warm air blows downward and then gradually climbs up.
- Cold air prevention design
 When heating in winter, cold air prevention function is enabled so that air won't be blown out until it's warm.
- Multiple protections
 Anti-freezing protection, temperature sensor malfunction protection, fan motor overload protection, auxiliary electric heating overheat protection (not included in unit with heat pump only).
- Triple defenders for better purification
 Mildew-proof filter, electrostatic fibre and anti-biotic
 fibre adopted to remove dust, smell, bacteria and
 mildew.



Specifications of Indoor Units

Type of indoor unit	Specification	22	25	28	32	36	40	45	50	56	63	71	80	90	100	112	125	140	160
High -efficiency Low Static Pressure Duct Type Unit		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	*	
High-effi- ciency 4-way Cassette Unit				•		•		•	•	•	•	•	•	•	•	•	•	•	•
High Static Pressure Duct Type Unit												•	•	•	•	•	•	•	
Low Static Pressure Duct Type Unit		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
2-way Cassette Unit				•		•		•	•	•	•	*							
1-way Cassette Unit				•		•		•	*										
4-way Cassette Unit				•		•		•	•	•	•	•	•	•	•	•	•	•	
High-effi- ciency Floor Ceiling Type Unit				*		*			*			*		*		*	•	•	
Wall-moun ted Type Unit		•	*	•	*	*	*	•	•										

Parameter of Indoor Unit

▶ Low static Pressure Duct Type Indoor Unit

Model	Cooling Capacity	Heating Capacity	Auxiliary E-heater	Power Con -sumption	Airflow volume	Noise (H/L)	ESP	Power	Conne pipe	cting	Drainage pipe	Unit dimension	Weight
Model				,		(11/2)		supply	Liquid pipe	Gas pipe	External diameter x Wall thickness	WxDxH	
	kW	kW	kW	w	m³/h	dB(A)	Pa		mm	mm	mm	mm	kg
TMV-LD0226TAO	2.2	2.5	0.8	75	450	33/26	30/10		Ф6.35	Ф9.52	Ф25×2.5	700×615×200	22
TMV-LD0256TAO	2.5	2.8	0.8	75	450	33/26	30/10		Ф6.35	Ф9.52	Ф25×2.5	700×615×200	22
TMV-LD0286TAO	2.8	3.2	0.8	75	450	33/26	30/10		Ф6.35	Ф9.52	Ф25×2.5	700×615×200	22
TMV-LD0326TAO	3.2	3.6	0.8	81	550	34/28	30/10		Ф6.35	Ф12.7	Ф25×2.5	700×615×200	22
TMV-LD0366TAO	3.6	4.0	0.8	81	550	34/28	30/10		Ф6.35	Ф12.7	Ф25×2.5	700×615×200	22
TMV-LD0406TAO	4.0	4.5	1.5	86	700	35/29	30/10	220V ~	Ф6.35	Ф12.7	Ф25×2.5	900×615×200	27
TMV-LD0456TAO	4.5	5.0	1.5	86	700	35/29	30/10	50Hz	Ф6.35	Ф12.7	Ф25×2.5	900×615×200	27
TMV-LD0506TAO	5.0	5.6	1.5	86	700	35/29	30/10	-	Ф6.35	Ф12.7	Ф25×2.5	900×615×200	27
TMV-LD0566TAO	5.6	6.3	2.1	118	1000	37/31	30/10		Ф9.52	Ф15.9	Ф25×2.5	1100×615×200	31
TMV-LD0636TAO	6.3	7.1	2.1	118	1000	37/31	30/10		Ф9.52	Ф15.9	Ф25×2.5	1100×615×200	31
TMV-LD0716TAO	7.1	8.0	2.1	118	1000	37/31	50/20		Φ9.52	Ф15.9	Ф25×2.5	1100×615×200	31
TMV-LD0806TAO	8.0	9.0	2.1	170	1100	38/32	50/20		Ф9.52	Ф15.9	Ф25×2.5	1200×655×260	40
TMV-LD0906TAO	9.0	10.0	3.6	215	1500	42/34	50/20		Ф9.52	Ф15.9	Ф25×2.5	1340×655×260	49
TMV-LD1006TAO	10.0	11.2	3.6	215	1500	42/34	50/20	380V 3N	Ф9.52	Ф15.9	Ф25×2.5	1340×655×260	49
TMV-LD1126TAO	11.2	12.5	3.6	215	1700	42/34	50/20	~ 50Hz (220V ~	Ф9.52	Ф15.9	Ф25×2.5	1340×655×260	49
TMV-LD1256TAO	12.5	14.0	3.6	290	2000	44/38	50/20	50Hz)	Ф9.52	Ф15.9	Ф25×2.5	1340×655×260	52
TMV-LD1406TAO	14.0	16.0	3.6	290	2000	44/38	50/20		Ф9.52	Ф15.9	Ф25×2.5	1340×655×260	52

►► High Static Pressure Duct Type Indoor Unit

	Cooling Capacity	Heating Capacity	Auxiliary E-heater	Power Con	Airflow volume	Noise (H/L)	ESP	Power	Conne pipe	cting	Drainage pipe	Unit dimension	Weight
Model					Volume	(11/L)		supply	Liquid pipe	Gas pipe	External diameter x Wall thickness	WxDxH	
	kW	kW	kW	w	m³/h	dB(A)	Pa		mm	mm	mm	mm	kg
TMV-HD0716TAO	7.1	8.0	2.1	240	1100	45/41	80	220V ~	Ф9.52	Ф15.9	Ф25×2.5	1155×736×300	37
TMV-HD0806TAO	8.0	9.0	2.1	240	1100	45/41	80	220V ~ 50Hz	Ф9.52	Ф15.9	Ф25×2.5	1155×736×300	37
TMV-HD0906TAO	9.0	10.0	3.6	360	1700	48/44	100		Ф9.52	Ф15.9	Ф25×2.5	1425×736×300	49
TMV-HD1006TAO	10.0	11.2	3.6	360	1700	48/44	100		Ф9.52	Ф15.9	Ф25×2.5	1425×736×300	49
TMV-HD1126TAO	11.2	12.5	3.6	360	1700	48/44	100	380V 3N~ 50Hz	Ф9.52	Ф15.9	Ф25×2.5	1425×736×300	49
TMV-HD1256TAO	12.5	14.0	3.6	500	2000	50/46	120		Ф9.52	Ф15.9	Ф25×2.5	1425×736×300	49
TMV-HD1406TAO	14.0	16.0	3.6	500	2000	50/46	120		Ф9.52	Ф15.9	Ф25×2.5	1425×736×300	55

▶▶High-efficiency Low static Pressure Duct Type Indoor Unit

		Cooling Capacity	Heating Capacity	Auxiliary E-heater	Power Con -sumption	Airflow volume	Noise (H/L)	ESP	Power	Conne pipe	ecting	Drainage pipe	Unit dimension	Weight
	Model			L incores		Volume	(11/L)		supply	Liquid pipe	Gas pipe	External diameter x Wall thickness	WxDxH	i
		kW	kW	kW	w	m³/h	dB(A)	Pa		mm	mm	mm	mm	kg
	TMV-HLD0226TAO	2.2	2.5	0.8	35	450	31/25	30/10		Ф6.35	Ф9.52	Ф25×2.5	700×615×200	22
Ī	TMV-HLD0256TAO	2.5	2.8	0.8	35	450	31/25	30/10		Ф6.35	Ф9.52	Ф25×2.5	700×615×200	22
	TMV-HLD0286TAO	2.8	3.2	0.8	35	450	31/25	30/10		Ф6.35	Ф9.52	Φ25×2.5	700×615×200	22
	TMV-HLD0326TAO	3.2	3.6	0.8	43	550	32/27	30/10		Ф6.35	Ф12.7	Φ25×2.5	700×615×200	22
	TMV-HLD0366TAO	3.6	4.0	0.8	43	550	32/27	30/10		Ф6.35	Ф12.7	Ф25×2.5	700×615×200	22
	TMV-HLD0406TAO	4.0	4.5	1.5	52	700	33/28	30/10	220V ~	Ф6.35	Ф12.7	Φ25×2.5	900×615×200	27
Ī	TMV-HLD0456TAO	4.5	5.0	1.5	52	700	33/28	30/10	50Hz	Ф6.35	Ф12.7	Ф25×2.5	900×615×200	27
Ī	TMV-HLD0506TAO	5.0	5.6	1.5	52	700	33/28	30/10		Ф6.35	Ф12.7	Ф25×2.5	900×615×200	27
Ī	TMV-HLD0566TAO	5.6	6.3	2.1	99	1000	35/30	30/10		Ф9.52	Ф15.9	Ф25×2.5	1100×615×200	31
	TMV-HLD0636TAO	6.3	7.1	2.1	99	1000	35/30	30/10		Ф9.52	Ф15.9	Ф25×2.5	1100×615×200	31
	TMV-HLD0716TAO	7.1	8.0	2.1	105	1000	35/30	50/20		Ф9.52	Ф15.9	Ф25×2.5	1200×655×260	40
	TMV-HLD0806TAO	8.0	9.0	2.1	140	1100	36/31	50/20		Ф9.52	Ф15.9	Ф25×2.5	1200×655×260	40
	TMV-HLD0906TAO	9.0	10.0	3.6	209	1500	40/32	50/20		Ф9.52	Ф15.9	Ф25×2.5	1340×655×260	49
	TMV-HLD1006TAO	10.0	11.2	3.6	209	1500	40/32	50/20	380V 3N	Ф9.52	Ф15.9	Ф25×2.5	1340×655×260	49
	TMV-HLD1126TAO	11.2	12.5	3.6	209	1700	40/32	50/20	~ 50Hz (220V ~	Ф9.52	Ф15.9	Ф25×2.5	1340×655×260	49
	TMV-HLD1256TAO	12.5	14.0	3.6	230	2000	42/37	50/20	50Hz)	Ф9.52	Ф15.9	Ф25×2.5	1340×655×260	52
Ī	TMV-HLD1406TAO	14.0	16.0	3.6	230	2000	42/37	50/20		Ф9.52	Ф15.9	Ф25×2.5	1340×655×260	52

▶► High-efficiency Floor Ceiling Indoor Unit

	Model	Cooling Capacity	Heating Capacity	Power Con -sumption	Airflow volume	Noise (H/L)	Power	Connec pipe	cting	Drainage pipe	Unit dimension	Weight
	Model					(11/2)	supply	Liquid pipe	Gas pipe	External diameter x Wall thickness	WxDxH	
ı		kW	kW	w	m³/h	dB(A)		mm	mm	mm	mm	kg
	TMV-FC0286TAO	2.8	3.2	55	650	40/30		Ф6.35	Ф9.52	Ф17	1220×700×225	40
Ī	TMV-FC0366TAO	3.6	4.0	55	650	40/30		Ф6.35	Ф12.7	Ф17	1220×700×225	40
Ī	TMV-FC0506TAO	5.0	5.6	110	950	45/39		Ф6.35	Ф12.7	Ф17	1220×700×225	40
Ī	TMV-FC0716TAO	7.1	8.0	140	1400	49/45	220V ~	Ф9.52	Ф15.9	Ф17	1420×700×245	52
Ī	TMV-FC0906TAO	9.0	10.0	180	1600	51/47	50Hz	Ф9.52	Ф15.9	Ф17	1420×700×245	54
Ī	TMV-FC1126TAO	11.2	12.5	250	2000	55/49		Ф9.52	Ф15.9	Ф17	1700×700×245	64
Ī	TMV-FC1256TAO	12.5	14.0	250	2000	55/49		Ф9.52	Ф15.9	Ф17	1700×700×245	66
I	TMV-FC1406TAO	14.0	16.0	250	2000	55/49		Ф9.52	Ф15.9	Ф17	1700×700×245	66

▶▶High-efficiency Four-way Cassette Indoor Unit

Model	Cooling Capacity	Heating Capacity	Auxiliary E-heater	Power Con -sumption	Airflow volume	Noise (H/L)	Power supply	Conn pipe	ecting	Drainage pipe	Dimension of main body	Dimension of front panel	Net wei	
Model						(11, 2,		Liquid pipe	Gas pipe	External X Wall diameter X thickness	WxDxH	WxDxH	Main body	Front panel
	kW	kW	kW	w	m³/h	dB(A)		mm	mm	mm	mm	mm	k	g
TMV-H4C0286TAO	2.8	3.2	700	42	550	36/31		Ф6.35	Ф9.52	Ф25×2.5	840×840×190	950×950×65	25	7
TMV-H4C0366TAO	3.6	4.0	700	45	610	36/31		Ф6.35	Ф12.7	Ф25×2.5	840×840×190	950×950×65	25	7
TMV-H4C0456TAO	4.5	5.0	700	50	750	36/31		Ф6.35	Ф12.7	Ф25×2.5	840×840×190	950×950×65	25	7
TMV-H4C0506TAO	5.0	5.6	700	50	830	36/31	220V ~	Ф6.35	Ф12.7	Ф25×2.5	840×840×190	950×950×65	25	7
TMV-H4C0566TAO	5.6	6.3	1400	68	900	37/32	50Hz	Ф9.52	Ф15.9	Ф25×2.5	840×840×240	950×950×65	30	7
TMV-H4C0636TAO	6.3	7.1	1400	68	1000	37/32		Ф9.52	Ф15.9	Φ25×2.5	840×840×240	950×950×65	30	7
TMV-H4C0716TAO	7.1	8.0	1400	68	1100	37/32		Ф9.52	Ф15.9	Φ25×2.5	840×840×240	950×950×65	30	7
TMV-H4C0806TAO	8.0	9.0	1400	68	1180	37/32		Ф9.52	Ф15.9	Ф25×2.5	840×840×240	950×950×65	30	7
TMV-H4C0906TAO	9.0	10.0	2100	120	1400	41/36		Ф9.52	Ф15.9	Φ25×2.5	840×840×320	950×950×65	35	7
TMV-H4C1006TAO	10.0	11.2	2100	120	1550	41/36		Ф9.52	Ф15.9	Φ25×2.5	840×840×320	950×950×65	35	7
TMV-H4C1126TAO	11.2	12.5	2100	120	1700	41/36	380V 3N ~ 50Hz	Ф9.52	Ф15.9	Ф25×2.5	840×840×320	950×950×65	35	7
TMV-H4C1256TAO	12.5	14.0	2100	120	1860	43/38	(220V~ 50Hz)	Ф9.52	Ф15.9	Ф25×2.5	840×840×320	950×950×65	35	7
TMV-H4C1406TAO	14.0	16.0	2100	120	1860	43/38	30(12)	Ф9.52	Ф15.9	Ф25×2.5	840×840×320	950×950×65	35	7
TMV-H4C1606TAO	16.0	17.5	2100	250	2400	47/42		Ф9.52	Ф19.05	Ф25×2.5	910×910×293	1040×1040×65	44	7.5

▶Four-way Cassette Indoor Unit

Model	Cooling Capacity	Heating Capacity	Auxiliary E-heater	Power Con -sumption	Airflow volume	Noise (H/L)	Power supply	Conn pipe	ecting	Drainage pipe	Dimension of main body	Dimension of front panel	Net wei	ght
Model						(11, 2)		Liquid pipe	Gas pipe	External X Wall diameter X thickness	WxDxH	WxDxH	Main body	Front panel
	kW	kW	kW	w	m³/h	dB(A)		mm	mm	mm	mm	mm	k	g
TMV-4C0226TAO	2.8	3.2	0.7	75	610	37/32		Ф6.35	Ф9.52	Ф25×2.5	840×840×190	950×950×65	25	7
TMV-4C0366TAO	3.6	4.0	0.7	75	610	37/32		Ф6.35	Ф12.7	Ф25×2.5	840×840×190	950×950×65	25	7
TMV-4C0456TAO	4.5	5.0	0.7	75	830	37/32	220V ~ 50Hz	Ф6.35	Ф12.7	Ф25×2.5	840×840×190	950×950×65	25	7
TMV-4C0506TAO	5.0	5.6	0.7	75	830	37/32		Ф6.35	Ф12.7	Ф25×2.5	840×840×190	950×950×65	25	7
TMV-4C0566TAO	5.6	6.3	1.4	90	1180	39/34		Ф9.52	Ф15.9	Ф25×2.5	840×840×240	950×950×65	30	7
TMV-4C0636TAO	6.3	7.1	1.4	90	1180	39/34		Ф9.52	Ф15.9	Ф25×2.5	840×840×240	950×950×65	30	7
TMV-4C0716TAO	7.1	8.0	1.4	90	1180	39/34		Ф9.52	Ф15.9	Ф25×2.5	840×840×240	950×950×65	30	7
TMV-4C0806TAO	8.0	9.0	1.4	90	1180	39/34		Ф9.52	Ф15.9	Ф25×2.5	840×840×240	950×950×65	30	7
TMV-4C0906TAO	9.0	10.0	2.1	160	1860	42/37		Ф9.52	Ф15.9	Ф25×2.5	840×840×320	950×950×65	35	7
TMV-4C1006TAO	10.0	11.2	2.1	160	1860	42/37	380V	Ф9.52	Ф15.9	Ф25×2.5	840×840×320	950×950×65	35	7
TMV-4C1126TAO	11.2	12.5	2.1	160	1860	42/37	3N ~ 50Hz (220V~	Ф9.52	Ф15.9	Ф25×2.5	840×840×320	950×950×65	35	7
TMV-4C1256TAO	12.5	14.0	2.1	160	1860	44/39	50Hz)	Ф9.52	Ф15.9	Ф25×2.5	840×840×320	950×950×65	35	7
TMV-4C1406TAO	14.0	16.0	2.1	160	1860	44/39		Ф9.52	Ф15.9	Ф25×2.5	840×840×320	950×950×65	35	7

▶►Two-way Cassette Indoor Unit

Model		Heating Capacity	Auxiliary E-heater	Power Con -sumption	Airflow volume	Noise (H/L)	Power supply	nine	ecting	Drainage pipe	Dimension of main body	Dimension of front panel	Net wei	t ight
Model						(, _,		Liquid pipe	Gas pipe	External Wall diameter X thickness	WxDxH	WxDxH	Main body	Front panel
	kW	kW	kW	w	m³/h	dB(A)		mm	mm	mm	mm	mm	k	g
TMV-2C0286TAO	2.8	3.2	0.7	60	680	37/33		Ф6.35	Ф9.52	Ф25×2.5	1090×600×300	1350×690×50	42	6
TMV-2C0366TAO	3.6	4.0	0.7	60	680	37/33		Ф6.35	Ф12.7	Ф25×2.5	1090×600×300	1350×690×50	42	6
TMV-2C0456TAO	4.5	5.0	0.7	65	680	37/33		Ф6.35	Ф12.7	Ф25×2.5	1090×600×300	1350×690×50	42	6
TMV-2C0506TAO	5.0	5.6	0.7	65	680	37/33	220V ~ 50Hz	Ф6.35	Ф12.7	Ф25×2.5	1090×600×300	1350×690×50	42	6
TMV-2C0566TAO	5.6	6.3	1.4	83	1180	39/35		Ф9.52	Ф15.9	Ф25×2.5	1090×600×300	1350×690×50	48	6
TMV-2C0636TAO	6.3	7.0	1.4	83	1180	39/35		Ф9.52	Ф15.9	Ф25×2.5	1090×600×300	1350×690×50	48	6
TMV-2C0716TAO	7.1	8.0	1.4	83	1180	39/35		Ф9.52	Ф15.9	Ф25×2.5	1090×600×300	1350×690×50	48	6

▶▶One-way Cassette Indoor Unit

Model	Cooling Capacity		Auxiliary E-heater	Power Con -sumption	Airflow volume		Power supply	Connecting pipe		Drainage pipe	Dimension of main body	Dimension of front panel	weight	
								Liquid pipe	Gas pipe	External Wall diameter X thickness	WxDxH	WxDxH	Main body	Front panel
	kW	kW	kW	w	m³/h	dB(A)		mm	mm	mm	mm	mm	kg	
TMV-1C0286TAO	2.8	3.2	1	45	480	36/31		Ф6.35	Ф9.52	Ф25×2.5	987×385×178	1200×460×23	17	4
TMV-1C0366TAO	3.6	4.0	1	57	580	38/32	50Hz	Ф6.35	Ф12.7	Ф25×2.5	987×385×178	1200×460×23	17	4
TMV-1C0456TAO	4.5	5.0	1	65	700	42/34		Ф6.35	Ф12.7	Ф25×2.5	987×385×178	1200×460×23	17	4
TMV-1C0506TAO	5.0	5.6	1	70	830	44/35		Ф6.35	Ф12.7	Ф25×2.5	987×385×178	1200×460×23	17	4

▶►Wall-mounted Indoor Unit

Model	Cooling Capacity	Heating Capacity	Auxiliary E-heater	Power Con -sumption	Airflow volume	Noise (H/L)	ESP	Power supply	Conno pipe	ecting	Drainage pipe	Unit dimension	Weight
Model								Juppiy	Liquid pipe		External X Wall diameter X thickness	WxDxH	
	kW	kW	kW	W	m³/h	dB(A)	Pa		mm	mm	mm	mm	kg
TMV-W0226TAO	2.2	2.5	900	35	500	36/28	0	- -	Ф6.35	Ф9.52	Φ20×1.5	941×383×232	12.5
TMV-W0256TAO	2.5	2.8	900	35	520	37/28	0		Ф6.35	Ф9.52	Ф20×1.5	941×383×232	12.5
TMV-W0286TAO	2.8	3.2	900	35	520	37/28	0		Ф6.35	Ф9.52	Ф20×1.5	941×383×232	12.5
TMV-W0326TAO	3.2	3.6	1000	45	580	39/31	0	220V ~	Ф6.35	Ф12.7	Ф20×1.5	970×400×240	13.5
TMV-W0366TAO	3.6	4	1000	45	590	39/31	0	50Hz	Ф6.35	Ф12.7	Ф20×1.5	970×400×240	13.5
TMV-W0406TAO	4.0	4.5	1200	55	850	40/34	0		Ф6.35	Ф12.7	Ф30×1.5	1080×425×268	18
TMV-W0456TAO	4.5	5	1200	55	850	40/34	0		Ф6.35	Ф12.7	Ф30×1.5	1080×425×268	18
TMV-W0506TAO	5	5.8	1200	55	850	40/34	0		Ф6.35	Ф12.7	Ф30×1.5	1080×425×268	18

▶ Note:

- 1. Above specifications and parameter may be changed due to product improvement. Please refer to unit's nameplate for specific parameters.
- 2. Above parameters like cooling capacity, heating capacity and power input are based on the values tested under rated working condition.

SPECIFICATIONS & PARAMETER OF OUTDOOR UNITS

Airflow volume: 1200~6000m³/h Applicable range: Residential houses, villas, business buildings, hotels, apartments, etc.



One system, two functions

 Adopted with DC inverter technology, Fresh Air DC Inverter Multi VRF System features air conditioning function and fresh air function.



Enjoy fresh air

- Airflow volume: 1200~6000m³/h, cooling capacity: 14-56kW Applicable for all kinds of structure.
- 1)Direct evaporative cooling adopted, air conditioning+fresh air can be realized accurately and precisely.
- 2)DC inverter technology adopted, constant humidity is enabled with less power consumption.
- 3)Integrated system control with TOSOT TMV Multi VRF System.



Air conditioning and fresh air, two in one

Less investment

Fresh Air DC Inverter Multi VRF System can be combined with TOSOT TMV5. For a same room, if the same amount of fresh air is to be taken, then the cost of TMV5+Fresh air unit is equivalent to the cost of TMV+Air exchange fan.



Less operation cost

Unit can control refrigerant output according to actual needs to ensure constant airflow temperature. By adjusting power output, light-load but high power operation can be avoided. Thus, operation cost can be greatly reduced.



• Less installation space

Save installation space for outdoor units. Especially suitable for places that have restricted installation space.



Specifications of Fresh Air DC Inverter Multi VRF Indoor Units

Model	Power supply	Cooling Capacity	Heating Capacityi	Rated power	WxDxH	Fresh air volume	ESP		Opera	Liquid	Gas	Outer			Max.
							Standard		-tion noise	pipe		of drainage pipe	Weight		fuse current
		kW	kW	w	mm	m³/h	Pa	Pa	dB(A)	mm	mm	inch	kg	Α	А
TMV-FHD1406T(X1.2)	220V ~ 50Hz	14	10	500	1463×756×300	1200	150	150	42	Ф9.52	Ф15.9	G1'	63.5	-	-
TMV-FHD224T8(X2.0)		22.4	16	1100	1500×1000×500	2000	200	50~200	47	Ф9.52	Ф22.2	G1'	130	25.6	32
TMV-FHD280T8(X2.5)		28	20	1100	1500×1000×500	2500	200	50~200	48	Ф9.52	Ф22.2	G1'	150	26.8	32
TMV-FHD280T8(X3.0)	380V 3N~	28	20	1100	1500×1000×500	3000	200	50~200	51	Ф9.52	Ф22.2	G1'	150	26.8	32
TMV-FHD450T8(X4.0)	50Hz	45	32	1500	1700×1100×650	4000	200	50~200	52	Ф12.7	Ф28.6	G1'	190	39.9	40
TMV-FHD560T8(X5.0)		56	39	2200	1700×1100×650	5000	200	50~300	54	Ф15.9	Ф28.6	G1'	215	-	-
TMV-FHD560T8(X6.0)		56	39	2200	1700×1100×650	6000	200	50~300	57	Ф15.9	Ф28.6	G1'	215	-	-

Note:

a. Units of large airflow volume (3000m³) h and above) can only be connected to the main unit in a fixed way. One main unit can't connect several units of large airflow volume.

b. Choose air switch according to maximum fuse current and choose electric wire specification according to minimum circuit current.