

Also, presenting Voltas VRF range for Medium and Large Spaces.

with **VEER TECHNOLOGY**



8 HP 22 HP 44 HP 66 HP 88 HP



Industry's Leading COP (4.75*)

* 8HP Model

Top Discharge



8 HP - 12 HP 14 HP - 22 HP

Side Discharge



2.9 HP - 16 HP



RETAIL



HOTELS



OFFICES



IT / ITES



RESIDENTIAL



HOSPITALS



INDUSTRIAL

Indoor Units



0.8 TR - 4 TR



0.6 TR - 2 TR



0.8 TR - 2 TR



0.8 TR - 2 TR



0.6 TR - 16 TR



0.8 TR - 4 TR



0.8 TR - 4 TR

Voltas National Network
Easy Access • Quick Satisfaction

Customer Care
9100660100

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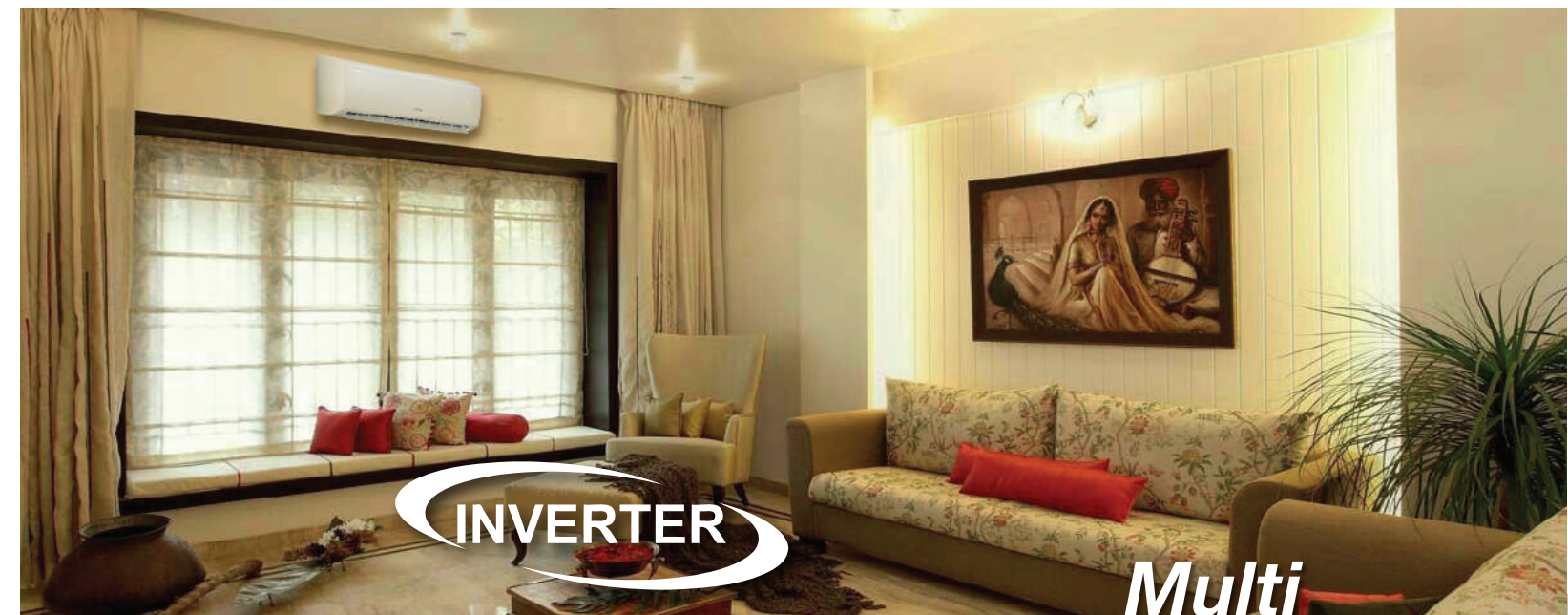
VOLTAS

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India's Largest Air Conditioning Company

VOLTAS
A TATA Product



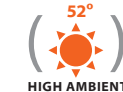
INVERTER

Multi Split

FREE MATCH



INDIA'S
NO.1 AC
BRAND



Centralised Multi Split AC
Home • SOHO • Retail

VL/FM/INV/12/2020

Inverter Free Match

HIGHLIGHTS

VOLTAS Introduces the New

INVERTER FREE MATCH

Multi Split

F

Free your space - more comfort

R

Refrigerants that are Green (R32)

E

Energy Efficient System - Savings on your energy bills

E

Extra Capacity

M

Many Indoor Single Outdoor

A

All DC Drive - 5D Technology

T

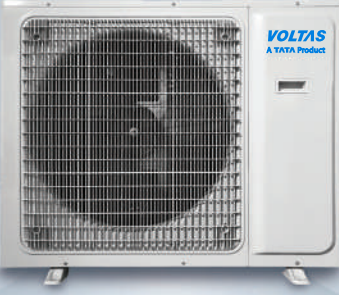
Temperature Precision

C

Cooling Mode


H

Heating Mode




Inverter Free Match


ENERGY SAVING

**180° Sine Wave Control**


With considerable advantages, DC Inverter 180° sine wave driving technology has much wider range of frequency and voltage, higher energy efficiency, more smooth running and lower noise.

**0.5W Standby**


Intelligent technology enables VOLTAS products to cut energy consumption from normal 5W to 0.5W per hour when standby, which counts 90% of saving.

**Sleep Mode**

The function enables the air conditioner to automatically increase cooling or decrease heating 1°C per hour for the first 2 hours, then holds steady for the next 5 hours, after that it will switch off. This function maintains both energy saving and comfort in night.


**Hydrophilic aluminum fin**

The louvered hydrophilic aluminum fin has improved by more than 10%. There refrigerant inlet and outlet are separated, to ensure the sub-cooling and enhance the cooling capacity.


**5D Technology**

DC control, DC Compressor, DC indoor motor, DC outdoor motor, and DC Electronic expansion valve make low noise and high efficiency.


COMFORT

**Anti-Cold-Air**


When starting the heating operation, the fan speed is regulated automatically from the lowest speed to the preset level. This function can prevent cold air from blowing out at the beginning of the operation, which avoids the discomfort to the user.

**Follow Me**


Temperature sensor built in the remote control will sense its surrounding temperature, so the unit can achieve accurate and comfortable temperature control just like the air conditioner is following you.

**Fast Cooling/Heating**


Startup at high frequency increases cooling/heating capacity and reduces time to reach set temperature, thus you can enjoy cooling and heating in seconds.

**Auto swing**


Distributes cool/warm air to maximum area by moving horizontal and vertical fags automatically.

**Independent Dehumidification**


With the independent dehumidification function, the unit can efficiently dehumidify the room and give you more comfort.

**3D Air Flow**

Combine vertical and horizontal auto swing to ensure an even distribution of air flow throughout the room.

**Dimmer**

Press this button to shut off the display light on the front panel.

**Silent**

Indoor fan will run at super breeze speed and indoor noise level can be extremely low when the unit enters silent mode operation.

RELIABILITY

**Self-diagnosis Function**

Once abnormal operation or parts failure happen, the unit will monitor the failures, the microcomputer of air conditioner will switch off and protect the system automatically when it happens. Meanwhile, the error or protection code will be displayed on the indoor unit.

**Low Ambient Cooling**

With special designed PCB, outdoor fan speed can be changed automatically according to condensation temperature. The air conditioner can run cooling operation even when the outdoor ambient temperature down to -15°C.

**Intelligent Defrosting**

Normal defrost function can only be operated in certain time, but VOLTAS commercial air conditioner's intelligent defrost can start automatically according to the surrounding condition.

**Compressor Heating Belt**

Auxiliary heating belt can increase compressor oil temperature in winter and prevent defrosting water accumulated, which improves heat transfer efficiency.

**No Frosting Chassis**

The unique pipeline design makes the temperature on chassis higher than normal units, and it prevents defrosting water accumulated, which improves heat transfer efficiency and solves the drainage problem.

**Golden Fin**

Effectively prevent bacteria breeding and improve heat transfer efficiency. The unique anti-corrosive golden coating on the condenser can withstand the rain, salty air and other corrosive elements.

**Optional Electric Heater**

Built-in auxiliary electric heater as option, the heating performance will be more powerful.

**Fire-proof Electric Box**

Electrical control box adopts new design, which can meet the higher fire safety requirement to prevent the internal fire due to the electric spark accident.

Inverter Free Match

INDOOR UNITS

Specification-Hi wall Split Type Units

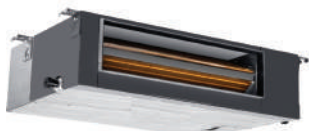


Model No.			VMWM-09/4R3(FA)	VMWM-12/4R3(FA)	VMWM-18/4R3(FA)	VMWM-24/4R3(FA)
Capacity	Cooling	TR	0.9	1.1	1.6	2.1
	Heating	TR	0.9	1.1	1.6	2.3
Electrical Input Power	Power Supply	V-Hz,Ph	200-240/50/1	200-240/50/1	200-240/50/1	200-240/50/1
	Cooling Power Input	W	40	40	63	63
	Heating Power Input	W	40	40	63	63
Performance	Air Flow Volume	m3/h	600/480/370	600/480/370	850/800/680	1150/950/750
	Sound Pressure	db (A)	40/38/34	40/38/34	45/42/35	49/42/35
Unit Dimension	Net (WxDxH)	mm	750x285x200	750x285x200	900x310x225	1085x330x233
Weight	Net	kg	7.5	8	12	15
Pipe Diameter	Liquid Side	Inch(mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas Side	Inch(mm)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)
	Drainage	mm	16.5	16.5	16.5	16.5



Specification-CassetteType Units

Model No.			VMCA-09/4R3AA	VMCA-12/4R3AA	VMCA-18/4R3AA
Capacity	Cooling	TR	1	1.1	1.6
	Heating	TR	1.1	1.3	2
Electrical Input Power	Power Supply	V-Hz,Ph	200-240/50/1	200-240/50/1	200-240/50/1
	Cooling Power Input	W	70	70	70
	Heating Power Input	W	70	70	70
Performance	Air Flow Volume	m3/h	700/600/530	700/600/530	700/600/530
	Sound Pressure	db (A)	45/41/35	45/41/35	45/41/35
Unit Dimension	Net Body (WxDxH)	mm	570x570/260	570x570/260	570x570/260
	Net Pannel (WxDxH)	kg	650x650x55	650x650x55	650x650x55
Weight	Net Body	kg	18	18	18
Weight	Net Pannel	kg	2.2	2.2	2.2
Pipe Diameter	Liquid Side	Inch(mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas Side	Inch(mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)
	Drainage	mm	20	20	20



Specification-Slim Duct Type Units

Model No.			VMSD-H09/4R3A	VMSD-H12/4R3A	VMSD-H18/4R3A
Capacity	Cooling	TR	0.8	1.03	1.6
	Heating	TR	0.86	1.2	1.7
Electrical Input Power	Power Supply	V-Hz,Ph	200-240/50/1	200-240/50/1	200-240/50/1
	Cooling Power Input	W	59	65	91
	Heating Power Input	W	59	65	91
Performance	Air Flow Volume	m3/h	480/390/320	560/430/390	850/680/575
	Sound Pressure	db (A)	30/26/23	32/28/25	38/35/32
Unit Dimension	Net (WxDxH)	mm	840x460x185	840x460x185	1160x460x185
Weight	Net	kg	15.5	20	20
Pipe Diameter	Liquid Side	Inch(mm)	3/8 (9.52)	1/4 (6.35)	1/4 (6.35)
	Gas Side	Inch(mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)
	Drainage	Inch(mm)	3/4(20)	3/4(20)	3/4(20)

- Notes :
1. Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 35°C DB/24°C WB.
 2. Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/6°C WB.
 3. Piping Length: Equivalent piping length: 7.5m level difference: 0m.
 4. Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
 5. Anechoic chamber conversion value, measured in test room. During actual operation, These values are normally somewhat higher as a result of ambient conditions.
 6. The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Normal Split

Requires One Outdoor Unit for Each Indoor Unit



Multiple outdoor units block your space

Free Match

Uses One Outdoor Unit for Multiple Indoor Units



Saves space, preserves building aesthetics



HOME



RESTAURANT



OFFICE

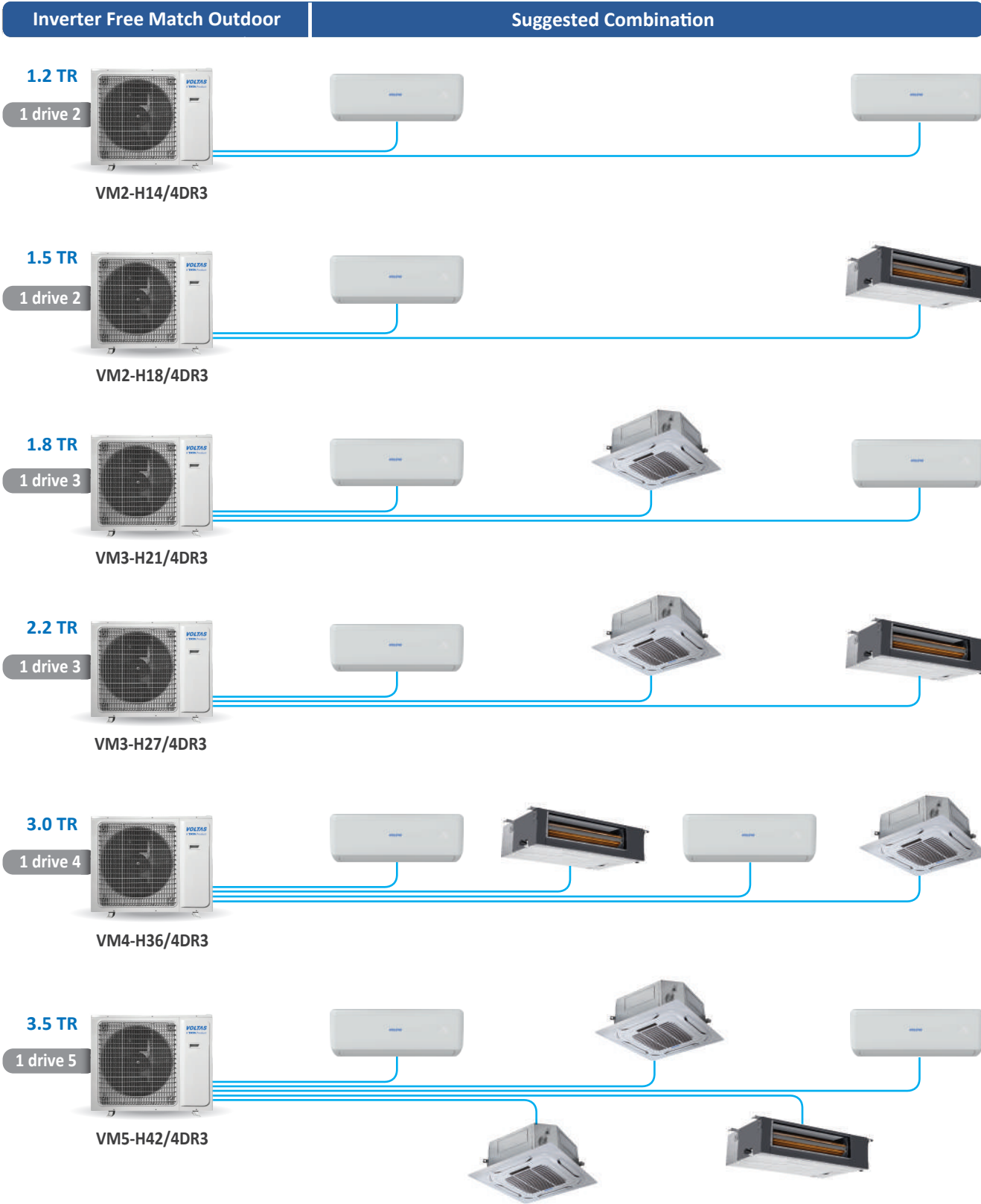


RETAIL

Inverter Free Match

COMBINATION SCHEME

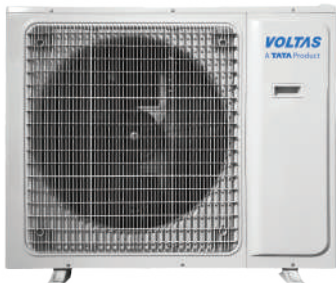
FREE MATCH Series provides ideal airconditioning solution for households. The Systems allow one outdoor unit to be connected up to a wide variety of 2,3,4 or 5 indoor units including Wall Mounted and Cassette. The Units are silent, sleek, have good asthetics and blend easily into any type of false ceiling - an architect’s delight.



Note : The Suggested Combinations are subject to site conditions and user can freely match available type and capacity of Indoor unit based on the capacity of Outdoor Unit, please contact our Sales Engineering Person for further details

Inverter Free Match

OUTDOOR UNITS



Specification-50Hz DC Inverter

Model	Outdoor Unit		VM2-H14/4DR3	VM2-H18/4DR3	VM3-H21/4DR3
System Format			1 drive 2	1 drive 2	1 drive 3
Capacity	Cooling	TR	1.2	1.5	1.8
	Heating	TR	1.4	1.6	1.9
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input	W	1240	1750	1920
	Heating Power Input	W	1150	1540	1780
	Rated Current	A	5.4/5	7.6/6.7	8.3/7.8
	(Cooling/Heating)				
Performance	SEER/SCOP	W/W	6.16/4.06	7.07/4.08	6.57/4.38
	Air Flow Volume	m3/h	2300	2300	3100
	Noise Level	dB(A)	54	55	56
Dimension (WxDxH)	Net	mm	800x315x545	800x315x545	834x328x655
Weight	Net	kg	34	36	44
Piping size	Liquid Side	mm(inch)	2x6.35(1/4)	2x6.35(1/4)	3x6.35(1/4)
	Gas Side	mm(inch)	2x9.52(3/8)	2x9.52(3/8)	3x9.52(3/8)
Max.Pipe Length Between IDU to ODU		m	25	25	30
Max.Height Difference Between ODU to IDU		m	15	15	15
Ambient temperature	Cooling/Heating	°C	-10~52/-15~24	-10~52/-15~24	-10~52/-15~24

Model	Outdoor Unit		VM3-H27/4DR3	VM4-H36/4DR3	VM5-H42/4DR3
System Format			1 drive 3	1 drive 4	1 drive 5
Capacity	Cooling	TR	2.2	3.0	3.5
	Heating	TR	2.3	3.1	3.7
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input	W	2460	3950	4450
	Heating Power Input	W	2270	3150	3750
	Rated Current	A	10.7/9.8	17.5/13.96	19.72/16.62
	(Cooling/Heating)				
Performance	SEER/SCOP	W/W	6.30/4.04	6.10/4.00	6.10/4.10
	Air Flow Volume	m3/h	3100	4000	4200
	Noise Level	dB(A)	58	61	61
Dimension (WxDxH)	Net	mm	834x328x655	985x395x808	985x395x808
Weight	Net	kg	46	74	75
Piping size	Liquid Side	mm(inch)	3x6.35(1/4)	4x6.35(1/4)	5x6.35(1/4)
	Gas Side	mm(inch)	3x9.52(3/8)	4x9.52(3/8)	5x9.52(3/8)
Max.Pipe Length Between IDU to ODU		m	30	35	35
Max.Height Difference Between ODU to IDU		m	15	15	15
Ambient temperature	Cooling/Heating	°C	-10~52/-15~24	-10~52/-15~24	-10~52/-15~24

Notes :
1. Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 35°C DB/24°C WB.
2. Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/6°C WB.
3. Piping Length: Equivalent piping length: 7.5m level difference: 0m.
4. Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
5. Anechoic chamber conversion value, measured in test room. During actual operation, These values are normally somewhat higher as a result of ambient conditions.
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