

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

Side Discharge



2.9 HP - 16 HP

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



RETAIL



HOTELS



OFFICES



IT / ITES



RESIDENTIAL



HOSPITALS



INDUSTRIAL

Voltas National Network
Easy Access • Quick Satisfaction

Customer Care
9100660100

VOLTAS

VOLTAS LIMITED

Domestic Projects Group, Voltas House 'B', 3rd floor, T. B. Kadam Marg, Chinchpokli, Mumbai-400 033, India.

Tel: +91 22 6665 6857. Email: bijorgeorge@voltas.com, jatinpanchal@voltas.com, shubhambahadkar@voltas.com,

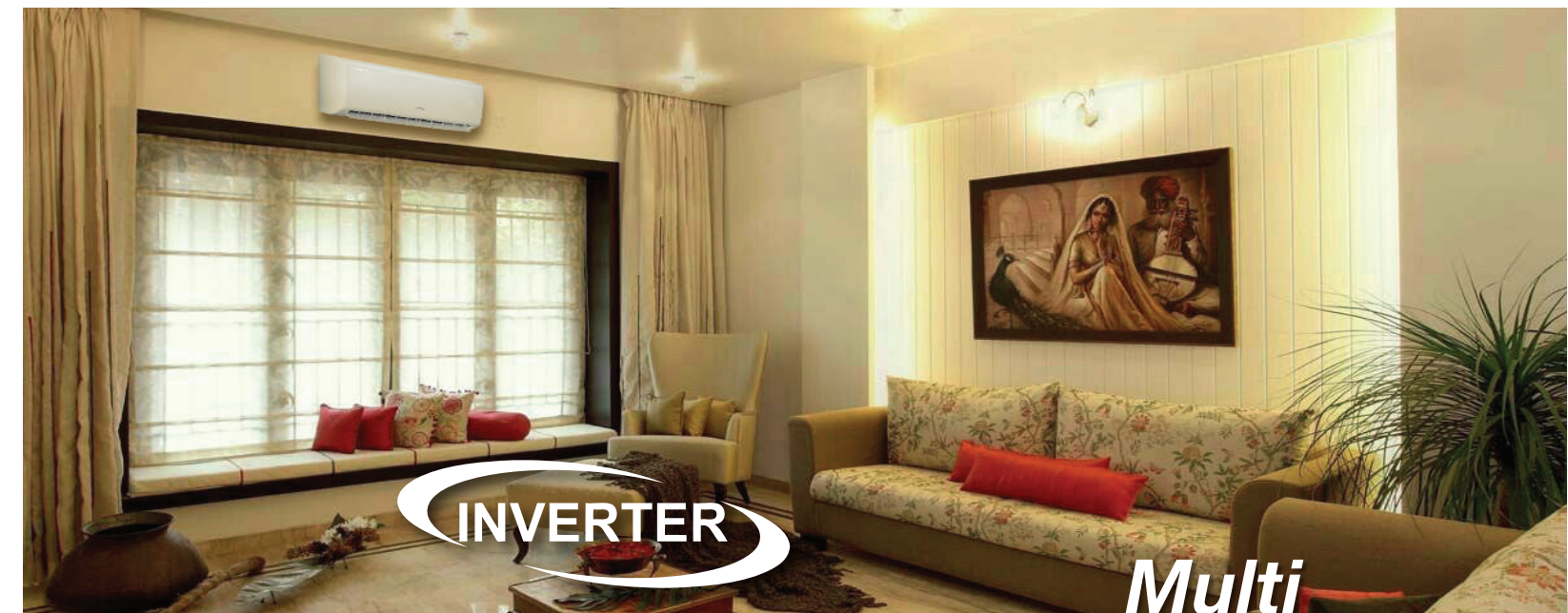
North: psnorth@voltas.com, East: pseast@voltas.com, South: pssouth@voltas.com, West: pswest@voltas.com

Website: www.voltas.com

NORTH ZONE: DELHI (011) 66505659/66505678/66505680/66505657 **CHANDIGARH** (0172) 4111800 **JAIPUR** (0141) 6541011 **LUCKNOW** 8840739788 **EAST ZONE:** KOLKATA (033) 66266268 / 662662283 / 66266262 **BHUBANESHWAR** (0674) 2747868 **PATNA** (0612) 2500786 **RAIPUR** (077) 14033886 **WEST ZONE:** MUMBAI (022) 66656754/ 66656756 / 66656757 / 66656759 / 66656760 **NAGPUR** (0712) 6456894 **AHMEDABAD** (079) 66301102 / 6630 1107 **PUNE** (020) 66297446 **INDORE** (0731) 2498616 **SOUTH ZONE:** CHENNAI (044) 66762357 / 66760346 / 66760355 **BENGALURU** (080) 22535648 **HYDERABAD** (040) 66743007 **COCHIN** (0484) 6605527.

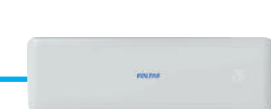
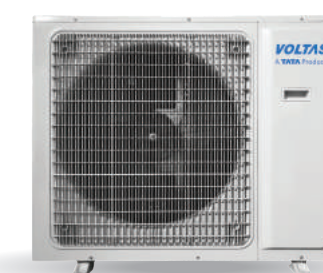
A **TATA** Product

VOLTAS



FREE MATCH

Multi Split



Centralised Multi Split AC
Home • SOHO • Retail

VL/FM/INV/10/19

VOLTAS Introduces the New

INVERTER

FREE MATCH

Multi Split

F

Free your space - more comfort

R

Refrigerants that are Green

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



HOME



RESTAURANT



OFFICE

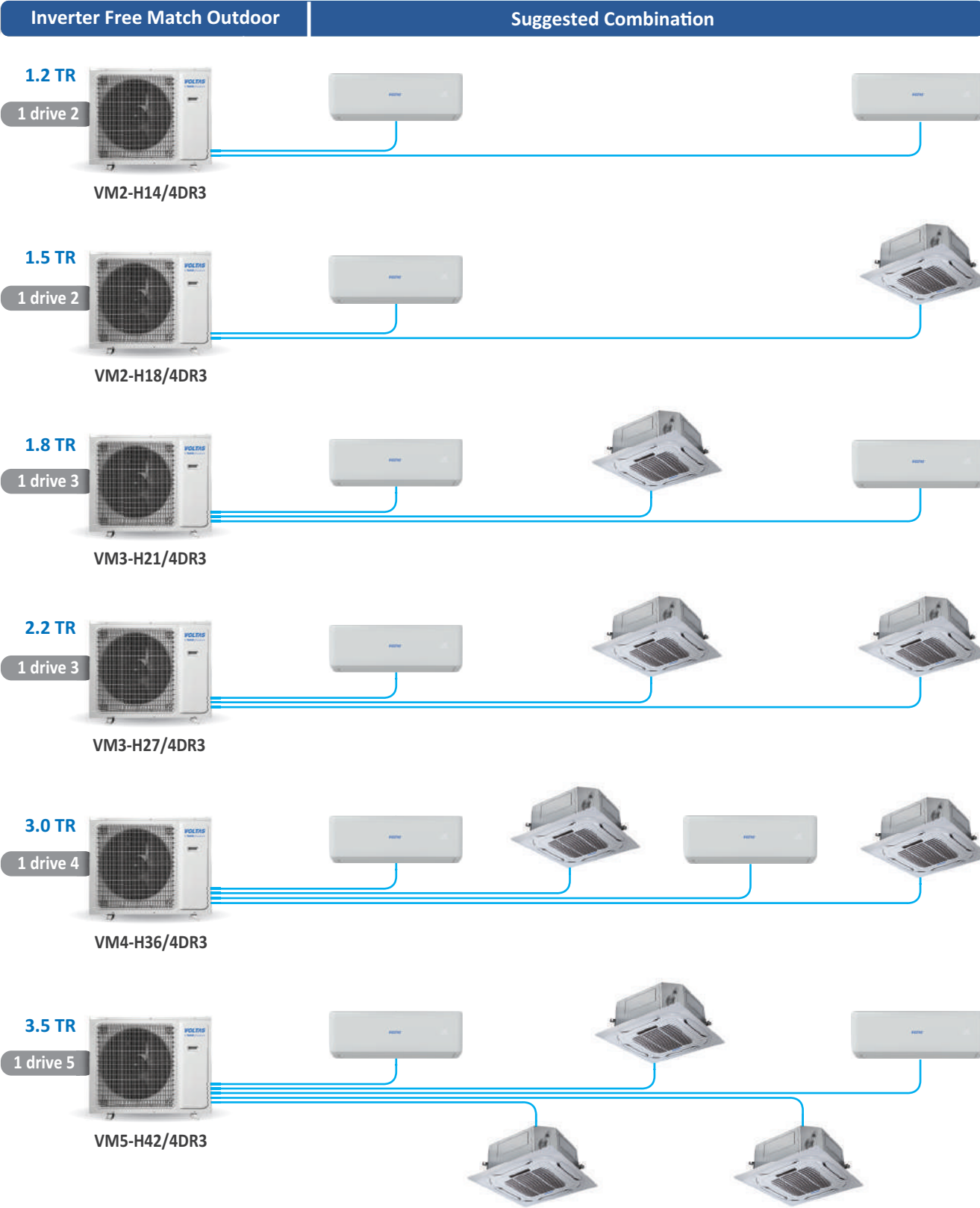


RETAIL

Inverter Free Match

COMBINATION SCHEME

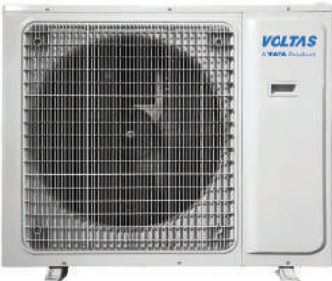
FREE MATCH Series provides ideal airconditioning solution for households. The Systems allow one outdoor unit to be connected up to a wide variety of 2,3,4 or 5 indoor units including Wall Mounted and Cassette. The Units are silent, sleek, have good asthetics and blend easily into any type of false ceiling - 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 (Cooling/Heating)	A	5.4/5	7.6/6.7	8.3/7.8
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 (Cooling/Heating)	A	10.7/9.8	17.5/13.96	19.72/16.62
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.
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 y sales representative.

Inverter Free Match

INDOOR UNITS

Specification-Wall Mounted



Model	Indoor		VMWM-H09/4R3(FA)	VMWM-H12/4R3(FA)	VMWM-H18/4R3(FA)	VMWM-H24/4R3(FA)
Capacity	Cooling	TR	0.8	1.0	1.5	2.0
	Heating	TR	0.8	1.1	1.5	2.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	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
	Noise Level	dB(A)	40/38/34	42/40/46	45/42/35	49/42/35
Dimension	Net (W x D x H)	mm	750 x 285 x 200	750 x 285 x 200	900 x 310 x 225	1082 x 330 x 233
Weight	Net	kg	7.5	8	12	15
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	15.88(5/8)
	Drainage	mm	16.5	16.5	16.5	16.5



Specification-Compact Cassettes

Model	Indoor		VMCA-H09/4R3AA	VMCA-H12/4R3AA	VMCA-H18/4R3AA
Capacity	Cooling	TR	0.8	1.0	1.4
	Heating	TR	0.9	1.1	1.6
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	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
	Noise Level	dB(A)	45/41/35	45/41/35	45/41/35
Dimension	Net (Body) (W x D x H)	mm	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260
	Net (Panel) (W x D x H)	mm	650 x 650 x 55	650 x 650 x 55	650 x 650 x 55
Weight	Net (Body)	kg	18	18	18
	Net (Panel)	kg	2.2	2.2	2.2
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)
	Drainage	mm	20	20	20

Notes :
1. Cooling Capacity: Indoor temperature 27°C DB/19°C.
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 b y sales representative.

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 hourwhen 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 foil 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 fow 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.