

Voltas Customer Care

Life Cycle Support



Remote Monitoring



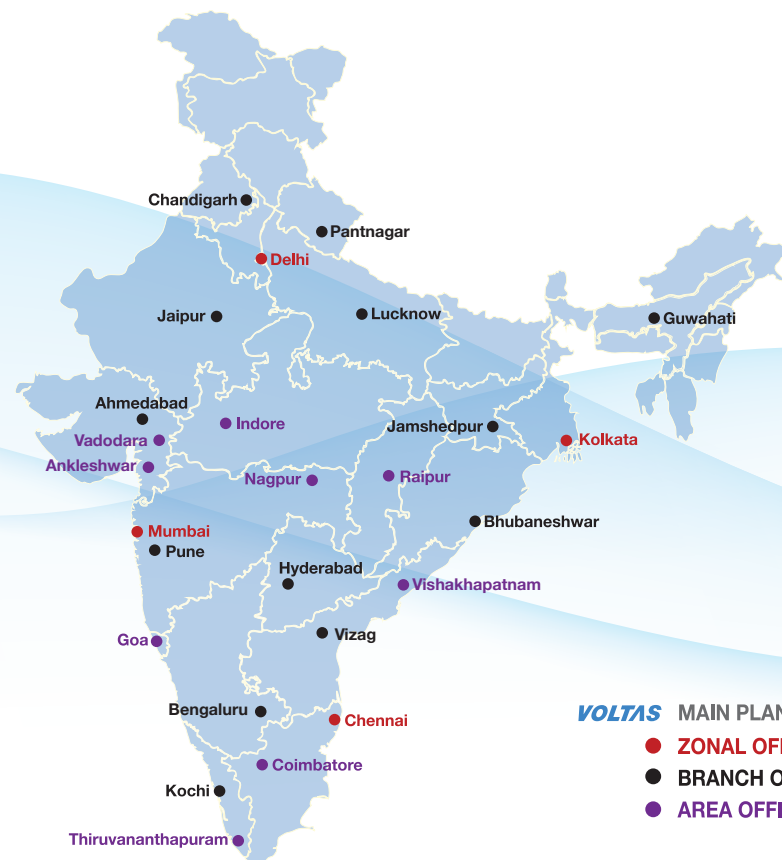
Digital Service Reports



24x7 Helpdesk

ONE-STOP-SOLUTION FOR LIFECYCLE MANAGEMENT OF YOUR COOLING EQUIPMENT

- We have the widest service network in the country
- Our expertise lies in HVAC equipment & we provide cost-effective annual maintenance contracts - Believe in the experts
- We are brand agnostic and offer solutions for maintaining any Chillers
- We also assist to modify, revamp or upgrade your old HVAC system - We are there for you
- We provide IOT for large HVAC system in industrial, commercial and retail applications
- We improvise indoor air quality (IAQ)



Voltas National Network
Easy Access • Quick Satisfaction

Customer Care
9100660100

- Electro-mechanical Services
- HVAC
- Refrigeration
- Value Added Services

VOLTAS MAIN PLANT
● ZONAL OFFICES
● BRANCH OFFICES
● AREA OFFICES

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VOLTAS LIMITED

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VL/VR&LC/02/24

A **TATA** Product

VOLTAS

VOLTAS RESIDENTIAL AND LIGHT COMMERCIAL SYSTEMS

CASSETTES | TOWER | FREEMATCH Multi-Split



A NEW WAY TO THINK ABOUT AIR CONDITIONING



ABOUT VOLTAS

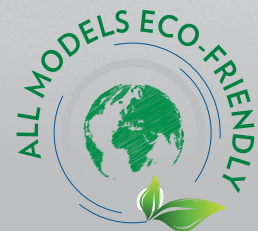
Voltas Limited is a premier air conditioning and engineering solutions provider and a Projects specialist. Founded in India in 1954, Voltas Limited is part of the Tata Group, with products ranging from Air Conditioners, Air Coolers, Air Purifiers, Water Dispensers, Water Coolers, to Commercial Refrigeration products. The company also offers engineering solutions for a wide spectrum of industries in areas such as heating, ventilation and air conditioning, refrigeration, electromechanical projects, electrification, textile machinery, mining and construction equipment, water management & treatment, cold chain solutions, building management systems, and indoor air quality. The Company has also launched its range of Voltas Beko Home Appliances, through its new JV in India, in equal partnership with Arçelik.

Voltas is one of the leading companies within the Tata group and is the undisputed market leader in room air conditioners in India with the largest category distribution network of dealers spread across the country. With state of the art manufacturing facilities at Vadodara and Pantnagar, Voltas possesses end to end capability in manufacturing of room and commercial air conditioners, refrigeration equipment, water coolers including commercial refrigerators and many more products in the air conditioning domain. Our products are futuristically designed and energy efficient for the ever-evolving smart consumer and supported by a highly responsive post sales service network. Founded by Jamsetji Tata in 1868, the Tata group is a global enterprise, headquartered in India, comprising 30 companies across ten verticals. The group operates in more than 100 countries across six continents, with a mission 'To improve the quality of life of the communities we serve globally, through long-term stakeholder value creation based on Leadership with Trust'. In 2020-21, the revenue of Tata companies, taken together, was \$103 billion (INR 7.7 trillion).



A TATA Product

Voltas Cassette ACs.
Uniform Cooling & More Savings.



VOLTAS | Cassette AC

VOLTAS

Voltas Slimline ACs.
Powerful Cooling & Sleek Design.









VOLTAS | SLIMLINE AC

FIXED SPEED COOLING ONLY TOWER AC



Slimline Air Conditioners from Voltas with a unique wide angle air throw design which gives powerful cooling to cool large rooms. Moreover, its sleek & tall design helps to fit in small spaces. Additionally, it suits the style of your room interiors.

- 
**INSTA COOL
COMPRESSOR**
- 
**BURST PROOF
COMPRESSOR
CAPACITOR**
- 
**SILENT
OPERATION**
- 
**HYDROPHILIC
BLUE FIN
EVAPORATOR**
- 
**WIDE ANGLE
AIR THROW**
- 
**INSTANT
COOLING**

Technical Specification

Model		4503505-FAC 241 CZMM	4502882W1-FAC 361 CZMM	4502883W1-FAC 481 CZMM
Rated Cooling Capacity	TR	2.0 TR	3.0 TR	4.0 TR
Star Rating	TR	1	1	1
Rated Cooling Capacity	Watt	6150	10510	13200
Rated Current- Cooling	Amps	8.4	5.3	6.8
Rated Power Input- Cooling	Watt	1858	3750	4630
Rated EER	W/W	3.31	2.80	2.85
Power Supply	V/Hz/Ph	230 / 50 / 1	415 / 50 / 3	415 / 50 / 3
Air Flow Volume - Indoor	CMH	1000	1500	1500
*Noise Level - Indoor	dB(A)	≤43	≤55	≤55
Operation		Non LCD	Non LCD	Non LCD
Compressor Type		Rotary	Twin Rotary	Twin Rotary
Refrigerant Gas	Type	R32	R32	R32
Indoor Unit Dimension (WxHxD)	cm	51.5x175.5x31.5	55.0x182.0x40.5	55.0x182.0x40.5
Indoor Unit Net / Gross Weight	Kg	38.0/ 49.5	50.7/66.4	50.7/66.4
Outdoor Unit Dimension (WxHxD)	cm	85.0x66.0x33.0	102.0x86.0x40.0	102.0x86.0x40.0
Outdoor Unit Net / Gross Weight	Kg	41.0/43.0	62.0/68.0	67.0/73.0
Connecting Pipe	type (mm)	15.88 & 9.52	15.9 & 9.52	15.9 & 9.52

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 • Product images are for illustrative purposes only and may differ from the actual product

FIXED SPEED - COOLING ONLY CASSETTE AC



Cassette Air Conditioners from Voltas with a unique 8 way air flow grill design which provides uniform cooling across the room with no hot spots. Additionally, it is powered with an Insta-Cool Compressor which gives instant cooling and more savings.

- 
**INSTA COOL
COMPRESSOR**
- 
**FRESS AIR
INTAKE**
- 
**SILENT
OPERATION**
- 
**HYDROPHILIC
BLUE FIN
EVAPORATOR**
- 
**COLD CATALYST
FILTER***
- 
**8 WAY AIR FLOW
GRILL DESIGN***

Technical Specification

Model name	Set	4503539W-181 CZ2AA	4503504M-241 CZ2MM	4503504W-242 CZ2AA	4502939AW1-CAS 361 CZAA	4502922AW1-CAS 481 CZAA
Capacity	TR	1.5 TR	2.0 TR	2.0 TR	3.0 TR	4.0 TR
Cooling Capacity(100%)	W	5150	6100	6500	10510	13200
Star Rating		1	1	2	1	1
Power supply	V-Ph-Hz	230-1-50	230-1-50	230-1-50	415-3-50	415-3-50
Full Load Cooling Power(100%)	W	1537	1843	1851	3600	4630
Rated Current	A	6.8	8.4	8.3	5.1	6.8
Rated ISEER		3.35	3.31	3.51	2.92	2.85
Compressor	Type	Rotary	Rotary	Rotary	Twin Rotary	Twin Rotary
Indoor air flow (Hi/Mi/Lo)	m3/h	1200/880/730	1200/990/820	1350/990/820	1955/1653/1403	1950/1790/1620
Indoor noise level (Hi/Mi/Lo)	dB(A)	44/38/35	46/40/37	47/44/43	53/50/46	54/52/49
Operation		Wireless Non LCD Remote	Wireless Non LCD Remote	Wireless Non LCD Remote	Wireless Non LCD Remote	Wireless Non LCD Remote
IDU Dimension Unit (WxHxD)	cm	83.0x20.5x83.0	83.0x20.5x83.0	84.5x24.5x84.5	83.0x24.5x83.0	83.0x24.5x83.0
IDU Dimension Packing (WxHxD)	cm	91.0x25.0x91.0	91.0x25.0x91.0	95.0x32.8x95.0	91.0x29.0x91.0	91.0x29.0x91.0
IDU weight Net	kg	22.2	22.2	24.0	25.8	28.0
IDU weight Gross	kg	26.0	25.9	30.5	29.9	32.1
Grill Dimension Unit (WxHxD)	cm	95.0x5.5x95.0	95.0x5.5x95.0	95.0x5.2x95.0	95.0x5.5x95.0	95.0x5.5x95.0
Grill Dimension Packing (WxHxD)	cm	103.5x9.0x103.5	103.5x9.0x103.5	103.4x11.8x101.0	103.5x9.0x103.5	103.5x9.0x103.5
Grill weight Net	kg	6.0	6.0	5.5	6.0	6.0
Grill weight Gross	kg	9.0	9.0	8.0	9.0	9.0
Outdoor CoilType		Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
Outdoor dimension Unit (WxHxD)	cm	81.0x57.0x30.0	81.0x57.0x30.0	81.0x57.0x30.0	102.0x86.0x40.0	102.0x86.0x40.0
Outdoor dimensionPacking (WxHxD)	cm	94.0x65.0x42.0	94.0x65.0x42.0	94.0x65.0x42.0	104.0x87.0x41.0	104.0x87.0x41.0
Outdoor weight Net	kg	36.0	41.0	39.5	62.0	67.0
Outdoor weight Gross	kg	39.0	43.0	43.5	68.0	73.0
Refrigerant	Type	R32	R32	R32	R32	R32
Inter connecting pipe Suction	cu	12.7mm	15.88mm	15.88mm	15.88mm	15.88mm
Inter connecting pipe Liquid	cu	6.35mm	9.52mm	9.52mm	9.52mm	9.52mm
Airflow		8 Way Airflow	8 Way Airflow	8 Way Airflow	8 Way Airflow	8 Way Airflow
Air Filter		Anti-Dust	Anti-Dust	Anti-Dust	Anti-Dust	Anti-Dust





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LIGHT COMMERCIAL INVERTER SERIES



INVERTER COOLING CASSETTE AC



-  **HIGH EFFICIENCY**
-  **POWER SAVINGS**
-  **COLD CATALYST FILTER***
-  **8 WAY AIR FLOW GRILL DESIGN***

Technical Specification

Model name	Set	4503151N-CAS 183V CZ2MM	4503417N-CAS 243V CZ2MM	4503418N-CAS 363V CZ2MM	4503419NQ-CAS 482V CZ2MM
Capacity-Cooling	TR	1.5	2	3	4
Star Rating		3	3	3	2
Capacity-Cooling	W	5400	6700	10800	13200
Power supply	V-Ph-Hz	1Ph-230V-50 Hz	1Ph-230V-50 Hz	3Ph-415V-50 Hz	3Ph-415V-50 Hz
Input Power-Cooling	W	1720	2110	3970	5630
Rated current-Cooling	A	7.9	9.7	5.8	8.2
Compressor	Type	Rotary	Rotary	Rotary	Rotary
Indoor air flow (Hi/Mi/Lo)		1000/760/630	1200/1000/820	1820/1670/1520	1850/1700/1550
Indoor noise level (Hi/Mi/Lo)	dB(A)	40/34/31	45/40/37	53.5/50/46.5	55/52/50
Operation		Wireless Non LCD Remote	Wireless Non LCD Remote	Wireless Non LCD Remote	Wireless Non LCD Remote
IDU Dimension Unit (WxHxD)	cm	83.0x20.5x83.0	83.0x20.5x83.0	83.0x24.5x83.0	83.0x28.7x83.0
IDU Dimension Packing (WxHxD)	cm	91.0x25.0x91.0	91.0x25.0x91.0	91.0x29.0x91.0	91.0x33.0x91.0
IDU weight Net	kg	22.1	22.2	26.0	30.0
IDU weight Gross	kg	26.4	26.6	30.5	35.0
Grill Dimension Unit (WxHxD)	cm	95.0x5.5x95.0	95.0x5.5x95.0	95.0x5.5x95.0	95.0x5.5x95.0
Grill Dimension Packing (WxHxD)	cm	103.5x9.0x103.5	103.5x9.0x103.5	103.5x9.0x103.5	103.5x9.0x103.5
Grill weight Net	kg	6.0	6.0	6.0	6.0
Grill weight Gross	kg	9.0	9.0	9.0	9.0
Outdoor Coil	Type	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
Outdoor dimension Unit (WxHxD)	cm	80.5x55.4x33.0	89.0x67.3x34.2	94.6x81.0x41.0	94.6x81.0x41.0
Outdoor dimension Packing (WxHxD)	cm	91.5x61.5x37.0	99.5x75.0x43.5	109.0x88.5x50.0	109.0x88.5x50.0
Outdoor weight Net	kg	25.8	33.3	58.0	65.5
Outdoor weight Gross	kg	28.4	36.5	62.5	70.0
Inter connecting pipe Suction	cu	12.7	15.9	15.9	15.9
Inter connecting pipe Liquid	cu	6.35	9.52	9.52	9.52
Refrigerant	Type	R32	R32	R32	R32
Airflow		8 Way Airflow	8 Way Airflow	8 Way Airflow	8 Way Airflow
Air Filter		Anti-Dust	Anti-Dust	Anti-Dust	Anti-Dust

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ONE WAY CASSETTE AC (INVERTER H & C)



AUTO RESTART



FRESH AIR



WIRELESS CONTROL

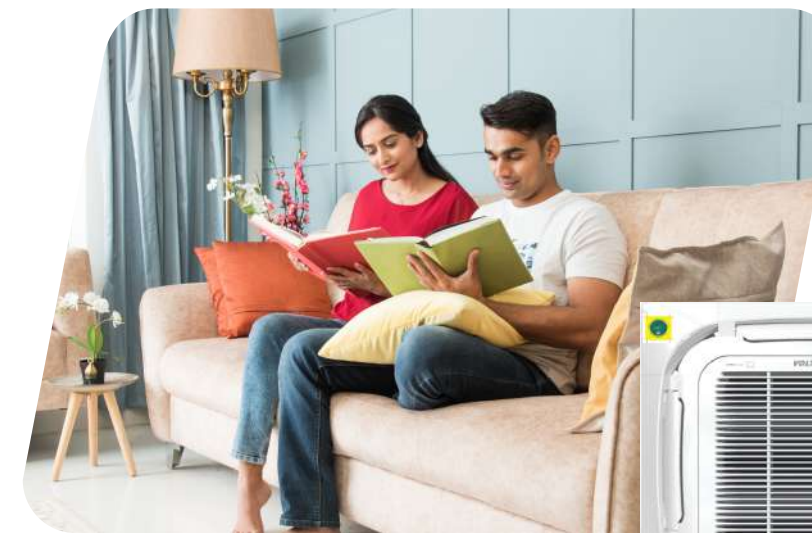


LED DISPLAY

Technical Specification

			OUTDOOR UNIT		
Model No			VMM-V12WDHN1(LCV)	VMM-V18WDHN1(LCV)	VMM-V21WDHN1(LCV)
Capacity in HP			1.2	1.8	2.1
Capacity in TR			1.0	1.5	2.0
Power supply			V- Ph- Hz 220-240/1/ 50(60)	220-240/1/ 50(60)	220-240/1/ 50(60)
Cooling	Capacity	kBtu/h	12	18	21
	Input	kW	3.5	5.3	6.2
Heating	Capacity	kBtu/h	13	20	20.5
	Input	kW	3.8	5.8	6
Connected indoor ratio	Total capacity		45-130% of ODU capacity	45-130% of ODU capacity	45-130% of ODU capacity
	Quantity		1~3	1~3	1~3
Compressor	Type		DC inverter	DC inverter	DC inverter
	Quantity		1	1	1
	Oil type		RB74AF	RB74AF	RB74AF
Fan	Motor type		DC motor	DC motor	DC motor
	Quantity		1	1	1
	Output	w	65	65	65
Outdoor air flow		m3/h	2500	2700	2700
Sound pressure level		dB(A)	53	54	55
Net dimensions (WxHxD)		mm	795 x 555 x 365	795 x 555 x 365	795 x 555 x 365
Packed dimensions (WxHxD)		mm	915 x 610 x 420	915 x 610 x 420	915 x 610 x 420
Net weight		kg	35	35	35
Gross weight		kg	38.5	38.5	38.5
Refrigerant	Type		R410A	R410A	R410A
	Factory charge	g	1450	1450	1450
	Throttle type		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Pipe connections	Liquid pipe	mm	Φ6.35	Φ6.35	Φ6.35
	Gas pipe	mm	Φ12.7	Φ12.7	Φ12.7
"Ambient Temp. operation range"	Cooling	°C	-15 to 55	-15 to 55	-15 to 55
	Heating	°C	-15 to 28	-15 to 28	-15 to 28
			INDOOR UNIT		
MODEL NO			VDV-D36Q1/N1-D(B)	VDV-D56Q1/N1-D(B)	VDV-D71Q1/N1-D(B)
Nominal TR/HP			1.03	1.6	2.03
Cooling Capacity			kW 3.6	5.6	7.1
Heating Capacity			kW 4.0	6.3	8.0
Power Input			W 41	48	60
Electric data			Power Supply V, Hz, Ph 1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz
Performance	Air Flow (H/M/L)	m3/hr	573/456/315	792/688/549	933/749/592
	Sound Pressure Level (H/M/L)	dB(A)	39/37/34	42/40/36	44/41/37
	Net dimensions (WxHxD)	mm	1054x153x425	1275x189x450	1275x189x450
Indoor unit	Packed dimensions (WxHxD)	mm	1155x245x490	1370x295x505	1370x295x505
	Net/Gross weight	kg	13/16.5	18.8/23.1	19.5/23.8
	Net dimensions (WxHxD)	mm	1180x25x465	1350x25x505	1350x25x505
Panel	Packed dimensions (WxHxD)	mm	1232x107x517	1410x95x560	1410x95x560
	Net/Gross weight	kg	3.5/5.2	4/5.4	4/5.4

FOUR WAY CASSETTE AC (INVERTER H & C)



HIGH EFFICIENCY



POWER SAVINGS



COLD CATALYST FILTER*

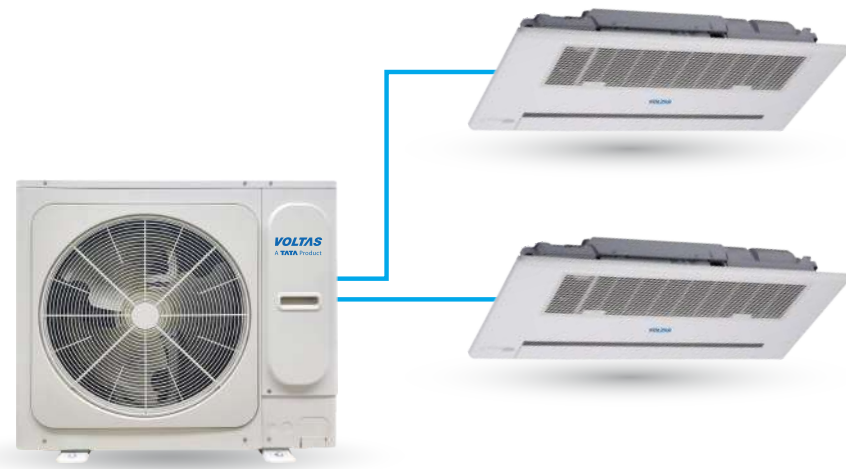


8 WAY AIR FLOW GRILL DESIGN*

Technical Specification

			OUTDOOR UNIT					
Model No			VMM-V21WDHN1(LCV)	VMM-V28WDHN1 (LCV)	VMM-V36WDHN1 A(LCV)	VMM-V42WDHN1 A(LCV)	VMM-V48WDHN1 (LCV)	
Capacity in HP			2.1	2.9	3.8	4.4	5.0	
Capacity in TR			2.0	2.3	3.0	3.5	4.0	
Power supply			V- Ph- Hz 220-240/1/ 50(60)	220-240/1/ 50(60)	220-240/1/ 50(60)	220-240/1/ 50(60)	220-240/1/ 50(60)	
Cooling	Capacity	kBtu/h	21	27	34	42	47	
	Input	kW	6.2	8	10	12.3	14	
Heating	Capacity	kBtu/h	20.5	30	41	47	54	
	Input	kW	6	9	12	14	16	
Connected indoor ratio	Total capacity		45-130% of ODU capacity	45-130% of ODU capacity	45-130% of ODU capacity	45-130% of ODU capacity	45-130% of ODU capacity	
	Quantity		1~3	1~4	1~5	1~7	1~8	
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter	DC inverter	
	Quantity		1	1	1	1	1	
	Oil type		RB74AF	RB74AF	VG74	VG74	RB74AF	
Fan	Motor type		DC motor	DC motor	DC motor	DC motor	DC motor	
	Quantity		1	1	1	1	1	
	Output	w	65	80	80	170	170	
Outdoor air flow		m3/h	2700	3750	4000	5000	5200	
Sound pressure level		dB(A)	55	54	54	56	56	
Net dimensions (WxHxD)		mm	795 x 555 x 365	910 x 712 x 426	910 x 712 x 426	950 x 840 x 440	950 x 840 x 440	
Packed dimensions (WxHxD)		mm	915 x 610 x 420	1045 x 810 x 485	1045 x 810 x 485	1025 x 950 x 510	1025 x 950 x 510	
Net weight		kg	35	49	52.5	62.5	75	
Gross weight		kg	38.5	53	56.5	69.5	82	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	
	Factory charge	g	1450	1700	2600	3200	3100	
	Throttle type		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Pipe connections	Liquid pipe	mm	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	
	Gas pipe	mm	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ15.9	
"Ambient Temp. operation range"	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55	-15 to 55	
	Heating	°C	-15 to 28	-15 to 28	-15 to 28	-15 to 28	-15 to 28	
			INDOOR UNIT					
Model No			VDV-D71Q4/N1-E(B)	VDV-D90Q4/N1-E(B)	VDV-D112Q4/N1-E(B)	VDV-D112Q4/N1-E(B)	VDV-D140Q4/N1-E(B)	
Nominal TR/HP			2.0	2.6	3.2	3.2	4	
Cooling Capacity			kW 7.1	9.0	11.2	11.2	14.0	
Heating Capacity			kW 8.0	10.0	12.5	12.5	16.0	
Power Input			W 88	140	165	165	176	
Electric data			Power Supply V, Hz, Ph 1 phase, 220-240V, 50Hz	1 phase, 220-240V, 50Hz	1 phase, 220-240V, 50Hz	1 phase, 220-240V, 50Hz	1 phase, 220-240V, 50Hz	
Performance	Air Flow (H/M/L)	m3/hr	950/767/663	1332/1129/908	1651/1304/1127	1651/1304/1127	1658/1335/1130	
	Sound Pressure Level (H/M/L)	dB(A)	38/36/35	43/39/38	45/42/40	45/42/40	46/41/39	
	Net dimensions (WxHxD)	mm	840x230x840	840x300x840	840x300x840	840x300x840	840x300x840	
Indoor unit	Packed dimensions (WxHxD)	mm	955x260x955	955x330x955	955x330x955	955x330x955	955x330x955	
	Net/Gross weight	kg	23.7/28.9	28.7/34.1	28.7/34.1	28.7/34.1	30.9/36.3	
	Net dimensions (WxHxD)	mm	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950	
Panel	Packed dimensions (WxHxD)	mm	1035x89x1035	1035x89x1035	1035x89x1035	1035x89x1035	1035x89x1035	
	Net/Gross weight	kg	5.8/7.9	5.8/7.9	5.8/7.9	5.8/7.9	5.8/7.9	

ONE WAY MULTI-CASSETTE AC (INVERTER H & C)



HIGH EFFICIENCY



POWER SAVINGS

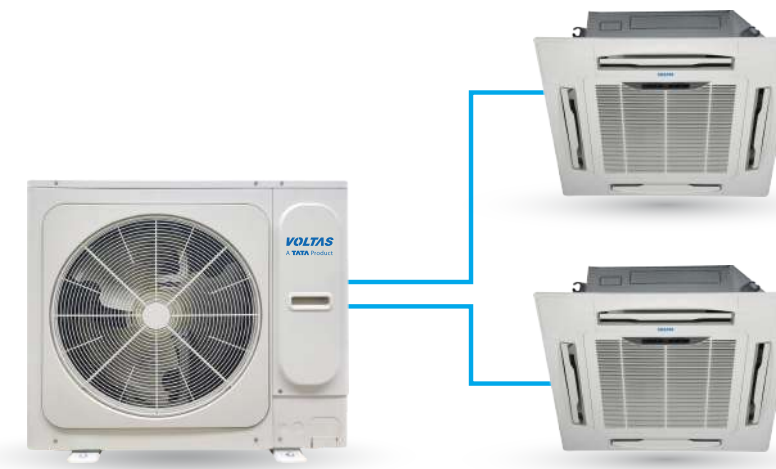


COLD CATALYST FILTER*

Technical Specification

			OUTDOOR UNIT		
Model No			VMM-V21WDHN1(LCV)	VMM-V36WDHN1(LCV)	VMM-V48WDHN1(LCV)
Capacity in HP			2.1	3.8	5.0
Capacity in TR			2.0	3.0	4.0
Power supply		V- Ph- Hz	220-240/1/ 50(60)		220-240/1/ 50(60)
Cooling	Capacity	kBtu/h	21	34	47
	Input	kW	1.85	2.66	3.97
Heating	Capacity	kBtu/h	20.5	41	54
	Input	kW	6	12	16
Connected indoor ratio	Total capacity		45-130% of outdoor unit capacity	45-130% of outdoor unit capacity	45-130% of outdoor unit capacity
	Quantity		1~3	1~5	1~8
Compressor	Type		DC inverter	DC inverter	DC inverter
	Quantity		1	1	1
	Oil type		RB74AF	VG74	RB74AF
Fan	Motor type		DC motor	DC motor	DC motor
	Quantity		1	1	1
Outdoor air flow		m ³ /h	2700	4000	5200
Sound pressure level		dB(A)	55	54	56
Net dimensions (WxHxD)		mm	795 x 555 x 365	910 x 712 x 426	950 x 840 x 440
Packed dimensions (WxHxD)		mm	915 x 610 x 420	1045 x 810 x 485	1025 x 950 x 510
Net weight		kg	35	52.5	75
Gross weight		kg	38.5	56.5	82
Refrigerant	Type		R410A	R410A	R410A
	Factory charge	g	1450	2600	3100
	Throttle type		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Pipe connections	Liquid pipe	mm	Φ6.35	Φ9.53	Φ9.53
	Gas pipe	mm	Φ12.7	Φ15.9	Φ15.9
Ambient Temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55
	Heating	°C	-15 to 28	-15 to 28	-15 to 28
			INDOOR UNIT		
Model No			VDV-D36Q1/N1-D(B) x 2	VDV-D56Q1/N1-D(B) x 2	VDV-D71Q1/N1-D(B) x 2
Nominal TR/HP			1.03	1.6	2.03
Cooling Capacity			3.6	5.6	7.1
Heating Capacity			4.0	6.3	8.0
Power Input			41	48	60
Electric data	Power Supply	V, Hz, Ph	1-phase, 220-240V, 50Hz		
Performance	Air Flow (H/M/L)	m ³ /hr	573/456/315	792/688/549	933/749/592
	Sound Pressure Level (H/M/L)	dB(A)	39/37/34	42/40/36	44/41/37
Indoor unit	Net dimensions (WxHxD)	mm	1054x153x425	1275x189x450	1275x189x450
	Packed dimensions (WxHxD)	mm	1155x245x490	1370x295x505	1370x295x505
	Net/Gross weight	kg	13/16.5	18.8/23.1	19.5/23.8
Panel	Net dimensions (WxHxD)	mm	1180x25x465	1350x25x505	1350x25x505
	Packed dimensions (WxHxD)	mm	1232x107x517	1410x95x560	1410x95x560
	Net/Gross weight	kg	3.5/5.2	4/5.4	4/5.4

FOUR WAY MULTI-CASSETTE AC (INVERTER H & C)



HIGH EFFICIENCY



POWER SAVINGS



COLD CATALYST FILTER*



8 WAY AIR FLOW GRILL DESIGN*

Technical Specification

			OUTDOOR UNIT					
Model No			VMM-V21WDHN1(LCV)	VMM-V36WDHN1 A(LCV)	VMM-V42WDHN1 A(LCV)	VMM-V48WDHN1 (LCV)	VMM-V56WDHN1 (LCV)	
Capacity in HP			2.1	3.8	4.4	5.0	5.8	
Capacity in TR			2.0	3.0	3.5	4.0	4.6	
Power supply		V- Ph- Hz	220-240/1/ 50(60)		220-240/1/ 50(60)	220-240/1/ 50(60)	220-240/1/ 50(60)	
Cooling	Capacity	kBtu/h	21	34	42	47	52	
	Input	kW	1.85	2.66	3.39	3.97	4.87	
Heating	Capacity	kBtu/h	20.5	41	47	54	61	
	Input	kW	6	12	14	16	18	
Connected indoor ratio	Total capacity		45-130% of ODU capacity	45-130% of ODU capacity	45-130% of ODU capacity	45-130% of ODU capacity	45-130% of ODU capacity	
	Quantity		1~3	1~5	1~7	1~8	1~9	
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter	DC inverter	
	Quantity		1	1	1	1	1	
	Oil type		RB74AF	VG74	VG74	RB74AF	RB74AF	
Fan	Motor type		DC motor	DC motor	DC motor	DC motor	DC motor	
	Quantity		1	1	1	1	1	
Outdoor air flow		m ³ /h	2700	4000	5000	5200	5000	
Sound pressure level		dB(A)	55	54	56	56	56	
Net dimensions (WxHxD)		mm	795 x 555 x 365	910 x 712 x 426	950 x 840 x 440	950 x 840 x 440	950 x 840 x 440	
Packed dimensions (WxHxD)		mm	915 x 610 x 420	1045 x 810 x 485	1025 x 950 x 510	1025 x 950 x 510	1025 x 950 x 510	
Net weight		kg	35	52.5	62.5	75	77.5	
Gross weight		kg	38.5	56.5	69.5	82	84.5	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	
	Factory charge	g	1450	2600	3200	3100	3600	
	Throttle type		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Pipe connections	Liquid pipe	mm	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	
	Gas pipe	mm	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ19.1	
Ambient Temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55	-15 to 55	
	Heating	°C	-15 to 28	-15 to 28	-15 to 28	-15 to 28	-15 to 28	
			INDOOR UNIT					
Model No			VDV-D36Q4/N1-A3(B) x 2	VDV-D56Q4/N1-E(B) x 2	VDV-D71Q4/N1-E(B) x 2	VDV-D71Q4/N1-E(B) x 2	VDV-D90Q4/N1-E(B) x 2	
Nominal TR/HP			1.03	1.6	2.0	2.0	2.6	
Cooling Capacity			3.6	5.6	7.1	7.1	9.0	
Heating Capacity			4.0	6.3	8.0	8.0	10.0	
Power Input			56	88	88	88	140	
Electric data	Power Supply	V, Hz, Ph	1 phase, 220-240V, 50Hz					
Performance	Air Flow (H/M/L)	m ³ /hr	521/409/314	905/740/651	950/767/663	950/767/663	1332/1129/908	
	Sound Pressure Level (H/M/L)	dB(A)	42/36/29	36/34/33	38/36/35	38/36/35	43/39/38	
Indoor unit	Net dimensions (WxHxD)	mm	570x260x630	840x230x840	840x230x840	840x230x840	840x300x840	
	Packed dimensions (WxHxD)	mm	675x285x675	955x260x955	955x260x955	955x260x955	955x330x955	
	Net/Gross weight	kg	18.5/21.5	23.7/28.9	23.7/28.9	23.7/28.9	28.7/34.1	
Panel	Net dimensions (WxHxD)	mm	647x50x647	950x50x950	950x50x950	950x50x950	950x50x950	
	Packed dimensions (WxHxD)	mm	715x123x715	1035x89x1035	1035x89x1035	1035x89x1035	1035x89x1035	
	Net/Gross weight	kg	2.5/4.5	5.8/7.9	5.8/7.9	5.8/7.9	5.8/7.9	

INVERTER HEATING COOLING MEGA SPLIT AC



REMOTE CONTROL



INTELLIGENT DEFROSTING



FAST COOLING HEATING



SLEEP MODE



DIGITAL TUBE DISPLAY



ANTI COLD AIR

Technical Specification

OUTDOOR UNIT			
Model No.	Sub Category	Unit	VMM-V28WDHN1 (LCV)
Capacity	Rated Tonnage	TR	2.3
	Cooling	KW	8
	Heating	KW	9
Star Rating	Stars		NA
Electrical Input Power	Power Supply	V-Hz,Ph	220-240/ 50 / 1 Phase
	Cooling Power Input	w	2100
	Heating Power Input	w	2040
Compressor	Type		Dc Inverter
	Quantity		1
Fan motor	Type		DC
	Quantity		1
Fan	Type		Axial
	Quantity		1
Sound Pressure	db (A)		54
Unit Dimension	Net (WxHxD)	mm	910 x 712 x 426
Weight	Net/Gross	kg	49/53
Ambient condition range	Cooling	°C	-5 to 55
	Heating	°C	-15 to 28
Refrigerant			R 410A
Pipe Diameter	Liquid Side	Inch(mm)	3/8 (9.52)
	Gas Side	Inch(mm)	5/8 (15.88)
INDOOR UNIT			
Input Power		W	90
Rated airflow (H/M/L)		CMH	1427/1403/1303/1232/1186/1096/1043
Sound Level (H/M/L)		db (A)	52/51/50/49/47/45/43
Unit Dimension	Net (WxDxH)	mm	1194X343X262
Weight	Net/Gross	kg	17.6/21.0
Remote controller			Wireless remote controller

• As a continuing policy of product innovation at Voltas, the design and specification are subjected to change without prior notice
 • Product images are for illustrative purposes only and may differ from the actual product

INVERTER COOLING ONLY MEGA SPLIT AC



Technical Specification

Model name		Set	303V Vectra Plus(4503580)
Capacity		TR	2.5
Cooling Capacity(100%)		W	8500
Star Rating			3
Power supply		V-Ph-Hz	230 / 50 / 1 Phase
Full Load Cooling Power(100%)		W	2850
Rated Current		A	12.6
Rated ISEER			3.85
Compressor	Type		High EER Twin Rotary - BLDC
Air Flow Volume - Indoor	CMH		1400
*Noise Level - Indoor	dB(A)		51/49/46/44
Operation			LCD Remote
IDU Dimension	Unit (WxHxD)	cm	110x33x25
	Net	kg	13.7
IDU weight	Gross	kg	17.3
Outdoor Coil	Type		Fin & Tube
Outdoor dimension	Unit (WxHxD)	cm	91.5x70.5x36.0
Outdoor weight	Net	kg	44.7
	Gross	kg	51.1
Refrigerant	Type		R32
Inter connecting pipe	Suction	cu	15.87 mm
	Liquid	cu	9.52 mm
Air Filter			Anti-Dust

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 • Product images are for illustrative purposes only and may differ from the actual product

FIXED SPEED COOLING ONLY MEGA SPLIT AC



Technical Specification

Model name		Set	4503150W1-Mega HW 361 CZMM
Capacity		TR	3.0 TR
Cooling Capacity(100%)		W	10510
Star Rating			1
Power supply		V-Ph-Hz	415-3-50
Full Load Cooling Power (100%)		W	3600
Rated Current		A	5.1
Rated ISEER			2.92
Compressor	Type		Twin Rotary
Indoor air flow (Hi/Mi/Lo)	m3/h		1500/1480/1450
Indoor noise level (Hi/Mi/Lo)	dB(A)		54/53/52
Operation			Wireless Non LCD Remote
IDU Dimension	Unit (WxHxD)	cm	113.0x31.5x23.5
	Packing (WxHxD)	cm	123.5x39.5x31.5
IDU weight	Net	kg	14.3
	Gross	kg	16.6
Outdoor Coil	Type		Fin & Tube
Outdoor dimension	Unit (WxHxD)	cm	102.0x86.0x40.0
	Packing (WxHxD)	cm	104.0x87.0x41.0
Outdoor weight	Net	kg	62.0
	Gross	kg	68.0
Refrigerant	Type		R32
Inter connecting pipe	Suction	cu	15.88 mm
	Liquid	cu	9.525 mm
Air Filter			Anti-Dust

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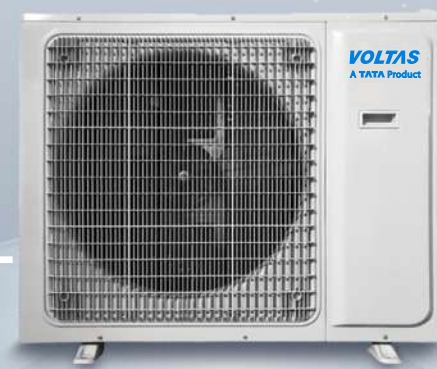
VOLTAS
FREE MATCH
 INVERTER MULTI SPLIT

AN ARCHITECT'S DELIGHT

- HIGH AMBIENT COOLING
- TECHNOLOGY
- FAST COOLING & HEATING
- ECO-FRIENDLY REFRIGERANT
- ADJUSTABLE MODE
- FIRE PROOF ELECTRIC BOX



- F**
Free your space - more comfort
- R**
Refrigerants that are Green (R-32)
- E**
Energy Efficient System - Savings on your energy bills
- E**
Extra Capacity

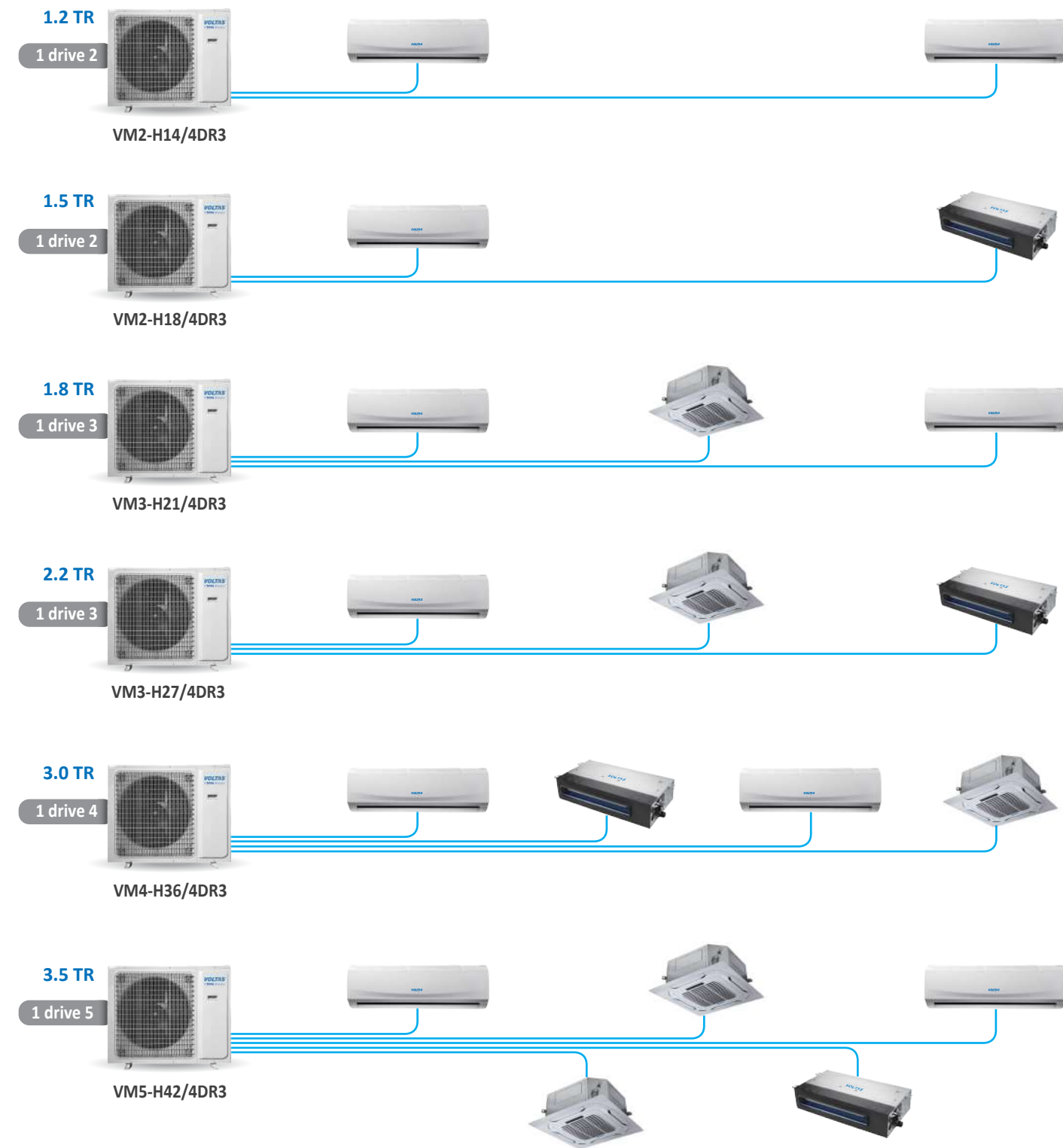


- M**
Many Indoor Single Outdoor
- A**
All DC Drive - 5D Technology
- T**
Temperature Precision
- C**
Cooling Mode
- H**
Heating Mode

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, Ducted and Cassette. The Units are silent, sleek, have good asthetics and blend easily into any type of false ceiling - an architect's delight.

Inverter Free Match Outdoor | Suggested Combination



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 AC



Technical Specification

OUTDOOR UNIT					
Product Description	Unit	1 Drive 2	1 Drive 2	1 Drive 3	
Model No.		VM2-H14/4DR3	VM2-H18/4DR3	VM3-H21/4DR3	
Capacity	Rated Tonnage	TR	1.1 TR	1.5 TR	1.8 TR
	Cooling Capacity	KW	4.51	5.83	6.71
	Heating Capacity	KW	5.28	6.16	7.26
Electrical Input Power	Power Supply	V-Hz,Ph	200-240/50/1	200-240/50/1	200-240/50/1
	Cooling Power Input	W	1240	1750	1920
	Heating Power Input	W	1150	1540	1780
	Rated Current (Cool & Heat)	Amp	5.4/5	7.6/6.7	8.3/7.8
	SEER / COP		6.16 / 4.14	7.08/4.06	6.16/4.09
	Air Flow Volume	m3/h	2300	2300	3100
Performance	Sound Pressure	db (A)	54	55	56
	Net (WxDxH)	mm	800x315x545	800x315x545	834x328x655
Unit Dimension	Net	kg	34	36	44
	Weight	kg	34	36	44
Ambient condition range	Cooling	c	-10 -52	-10 -52	-10 -52
	Heating	c	-15 -24	-15 -24	-15 -24
Refrigerant			R 32	R 32	R 32
Pipe Diameter	Liquid Side	Inch(mm)	1/4 (6.35) x 2	1/4 (6.35) x 2	1/4 (6.35) x 3
	Gas Side	Inch(mm)	3/8 (9.52) x 2	3/8 (9.52) x 2	3/8 (9.52) x 3
Max.Pipe Length Between IDU to ODU	m	25	25	30	
Max.Height Difference Between IDU to ODU	m	15	15	15	

OUTDOOR UNIT					
Product Description	Unit	1 Drive 3	1 Drive 4	1 Drive 5	
Model No.		VM3-H27/4DR3	VM4-H36/4DR3	VM5-H42/4DR3	
Capacity	Rated Tonnage	TR	2.2 TR	3 TR	3.5 TR
	Cooling Capacity	KW	8.69	11	12.7
	Heating Capacity	KW	9.02	11.2	13.1
Electrical Input Power	Power Supply	V-Hz,Ph	200-240/50/1	200-240/50/1	200-240/50/1
	Cooling Power Input	W	2460	3950	4450
	Heating Power Input	W	2270	3150	3750
	Rated Current (Cool & Heat)	Amp	10.7/9.8	17.5/13.96	19.72/16.62
	SEER / COP		6.29/4.04	6.14/4.19	6.13/4.26
	Air Flow Volume	m3/h	3100	4000	4200
Performance	Sound Pressure	db (A)	58	61	61
	Net (WxDxH)	mm	834x328x655	985x395x808	985x395x808
Unit Dimension	Net	kg	46	74	75
	Weight	kg	46	74	75
Ambient condition range	Cooling	c	-10 -52	-10 -52	-10 -52
	Heating	c	-15 -24	-15 -24	-15 -24
Refrigerant			R 32	R 32	R 32
Pipe Diameter	Liquid Side	Inch (mm)	1/4 (6.35) x 3	1/4 (6.35) x 4	1/4 (6.35) x 4
	Gas Side	Inch (mm)	3/8 (9.52) x 3	3/8 (9.52) x 4	3/8 (9.52) x 4
Max.Pipe Length Between IDU to ODU	m	30	35	35	
Max.Height Difference Between IDU to ODU	m	15	15	15	

- 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.

INDOOR UNITS



Technical Specification of Hi-Wall Split AC

Model No.	Sub Category	Unit	VMWM-09/4R3(FA)	VMWM-12/4R3(FA)	VMWM-18/4R3(FA)	VMWM-24/4R3(FA)
Capacity	Cooling	KW	0.9	1.1	1.6	2.1
	Heating	KW	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
	Liquid Side	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
Pipe Diameter	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



Technical Specification of Cassette Type AC

Model No.	Sub Category	Unit	VMCA-09/4R3AA	VMCA-12/4R3AA	VMCA-18/4R3AA	VMCA-H24/4R3AA
Capacity	Cooling	TR	1	1.1	1.6	2.3
	Heating	TR	1.1	1.3	2	2.6
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	70	70	70	110
	Heating Power Input	W	70	70	70	110
Performance	Air Flow Volume	m3/h	700/600/530	700/600/530	700/600/530	1400/1350/1150
	Sound Pressure	db (A)	45/41/35	45/41/35	45/41/35	47/45/42
Unit Dimension	Net Body (WxDxH)	mm	570x570x260	570x570x260	570x570x260	840x840x246
	Net Pannel (WxDxH)	kg	650x650x55	650x650x55	650x650x55	950x950x55
Weight	Net Body	kg	18	18	18	26
	Net Pannel	kg	2.2	2.2	2.2	5.3
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)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.88)
Drainage	mm	20	20	20	20	



Technical Specification of Slim Duct Type AC

Model No.	Sub Category	Unit	VMSD-H09/4R3A	VMSD-H12/4R3A	VMSD-H18/4R3A	VMSD-H24/4R3AA
Capacity	Cooling	TR	0.8	1.03	1.6	2
	Heating	TR	0.86	1.2	1.7	2.13
Electrical Input Power	Power Supply	V-Hz,Ph	200-240/50/1	200-240/50/1	200-240/50/1	220-240,50,1
	Cooling Power Input	W	59	65	91	90
	Heating Power Input	W	59	65	91	90
Performance	Air Flow Volume	m3/h	480/390/320	560/430/390	850/680/575	676/518/459
	Sound Pressure	db (A)	30/26/23	32/28/25	38/35/32	41/38/36
Unit Dimension	Net (WxDxH)	mm	840x460x185	840x460x185	1160x460x185	1300x470x200
Weight	Net	kg	15.5	20	20	29
	Liquid Side	Inch (mm)	3/8 (9.52)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
Pipe Diameter	Gas Side	Inch (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)
	Drainage	Inch (mm)	3/4(20)	3/4(20)	3/4(20)	16.5

- 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.