

India's Largest Air Conditioning Company

VOLTAS
A TATA Product

Voltas VXV GEN6 VRF series

VXV 6 Series
ALL DC Inverter

with VEER Technology

A TATA Product

VOLTAS

VXV 6 Series
ALL DC Inverter

Outdoor Units - Upto 88 HP

Profile

Voltas, a member of the Tata Group, is India's No.1 air conditioning company and one of the world's premier engineering solutions providers and project specialists.

Founded in India in 1954, Voltas Limited offers premier cooling and *engineering solutions* for a wide spectrum of industries in areas such as *heating, ventilation and air conditioning, refrigeration, electro-mechanical projects, textile machinery, mining and construction equipment, water management & treatment, cold chain solutions, building management systems, electrification and indoor air quality*.

The Company's strengths lies principally in:

- Management and execution of electro-mechanical projects, Including *air conditioning* and *refrigeration*
- Sourcing, installation and servicing of diverse technology-based systems serving Indian industry through representation of global technology leaders

Organization

Voltas' operations have been organized into three independent business-specific clusters. Each of these has its own facilities for market coverage and service to customers.

Unitary Cooling Products

Air Conditioners

Commercial Refrigeration

Water Coolers & Dispensers

Domestic Projects Group

Electrical, Mechanical & Refrigeration Solutions

Electrical & Mechanical Solutions (international)

Electrical Projects Business - focusing on Rural Electrification (Distribution / Improvement)

Water Management Business Division - Large Capacity STP (MLD), Effluent treatment, Rural Water Supply Scheme.

Customer Care - Life Cycle Management through managed services

Engineering Products and Services

Textile Machinery

Mining & Construction Equipment

Projects

Over the years, Voltas has built up a substantial reputation and is actively engaged in *turnkey projects* in fields such as electro-mechanical works comprising *HVAC, electrical systems for buildings, plumbing, fire fighting, ELV and specialized systems, building security and other Utilities, electrical power projects, environmental and water pollution control, pumping stations and water supply, and water and waste water treatment projects*.

The Company has ISO 9001 - 2008 standards certification in its projects businesses, and has successfully undertaken and executed prestigious high-value projects in the Middle East, Far-East and South East Asia, CIS countries, Africa and India.

Manufacturing

With state-of-the-art Manufacturing facilities at Vadodara, Thane, Dadra and Panjagar, Voltas possesses total capability in the manufacturing of *room air conditioners, commercial air-conditioning and refrigeration equipment, water coolers, commercial refrigerators, visicoolers etc.*

Also, we have forayed into home appliances segment under the new brand *Voltbek Home Appliances Pvt. Ltd.* by launching *refrigerators, washing machines, microwave ovens and dishwashers* with our new manufacturing unit coming up at Sanand, Gujarat.

Sales & service

Voltas' sales and service operations cover:

- in-house manufactured products, including *air conditioning equipment and unitary cooling products*
- Products of principals represented, including *textile machinery and mining and construction equipment* In all these sectors, the company demonstrates its specialised engineering expertise, as well as its extensive network for global sourcing.

Product Lineup

Modular VRF Outdoor Unit (All DC Inverter)

Capacity	(kW)	25.2	28.0	33.5	40.0	45.0	50.4	56.0	61.5
	(HP)	8	10	12	14	16	18	20	22
VXV 6	Top Discharge Modular	●	●	●	●	●	●	●	●
									

Individual VRF Outdoor Unit

Capacity	(kW)	61.5	67.0	73.0	78.5	85.0	90.0
	(HP)	22	24	26	28	30	32
VXV Individual Series	Top Discharge Non-Modular	●	●	●	●	●	●

Mini VRF Outdoor Unit

Capacity(kW)	Appearance	8	10	12	14	16	22	28
VXV Mini	Side Discharge		●	●	●	●	●	●

Indoor Unit

Capacity(kW)	Appearance	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0	15.0
One-way Cassette		●	●	●	●	●	●							
Two-way Cassette		●	●	●	●	●	●							
Four-way Cassette			●	●	●	●	●	●	●	●	●	●	●	●
Slim Duct		●	●	●	●	●	●							
Mid ESP Duct				●	●	●	●	●	●	●	●	●	●	●
High ESP Duct									●	●	●	●	●	●
Ceiling&Floor				●	●	●	●	●	●	●	●	●	●	●
Wall-mounted		●	●	●	●	●	●							

Capacity(kW)	Appearance	19.3	22.0	28.0	30.0	39.0	45.0	56.0
High ESP Duct		●	●	●	●	●	●	●

VXV 6 Series

Volta presents latest 6th Generation VRF with All DC Inverter, VEER Technology and various features like...

VEER Technology

Evaporating and condensing temperature makes strong effect to the cooling and heating performance and energy-efficiency ratio of AC system. Thanks to Variable Energy-Efficiency Regulation Technology, VXV6 series has various modes with different refrigerant temperature which lead the system to different performance and energy-efficiency ratio.

High EER and COP

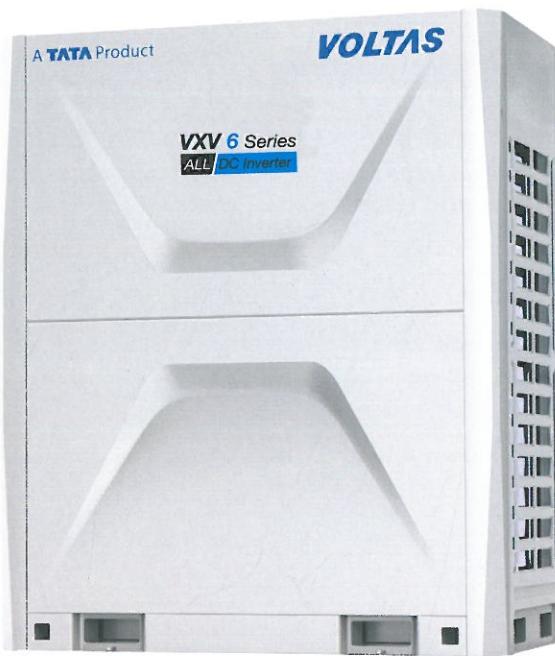
VXV 6 series achieves industry highest efficiency in cooling and heating by utilizing all DC inverter compressors. The cooling EER is upto 4.75 and heating COP is 5.48 for 8 HP model

Wide Operation Range

VXV 6 has wide operating range from -15°C to 52°C. It doesn't matter whether it's as hot as 52°C or as low as -15°C outside, the system shall supply comfortable environment for occupants.

Fast Warm Up and Cool Down

The DC Inverter Compressor system reaches full load rapidly providing less temperature fluctuation and an improved living environment, bring great user experience.



DC Brushless Fan Motor

DC brushless motor adjusts the fan speed according to the system pressure, and running load to enhance the efficiency by 45%. The super aero fan provides a larger air volume and higher static pressure.

High efficiency heat - exchanger

Optimized 2 to 1 refrigerant circuit design, increase the heat exchanging efficiency and enhance the ratio of liquid which flow to the evaporator.

Precise Temperature Control

VOLTA'S composite temperature control technology, through the indoor/outdoor operation condition detection, adjusts outdoor power output, optimize the indoor air distribution, achieve the high precision adjustment of 0.5.

Refrigerant PCB Cooling System

The PCB is well cooled by the refrigerant, ensuring the system operate steadily even in hot area.

DLF - Belaire, Gurgaon

Mindtree, Hyderabad

Ackruti VIVA, Mumbai



Features

Variable Energy-Efficiency Regulation -VEER Technology

Evaporating and condensing temperature makes strong effect to the cooling and heating performance and energy-efficiency ratio of AC system.

Thanks to VEER technology, VXV 6 Series has various modes with different refrigerant temperature which lead the system to different performance and energy-efficiency ratio.

Cooling: 3 modes with different evaporating temperature.

Heating: 3 modes with different condensing temperature.

Turbo mode

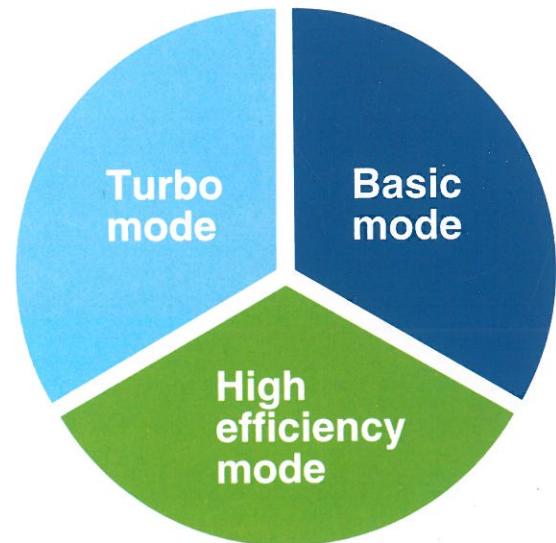
High cooling and heating performance, cool down or warm up the room rapidly.

Basic mode

Default mode, balance the reaction speed and efficiency.

High efficiency mode

Satisfy the lowest capacity requirement and low the energy consumption.



Users can choose a certain mode according to the actual need in different area and climate, so that the system can satisfy various requirement, and the seasonal efficiency can be optimized.

Long Piping Length

Thanks to the DC inverter control technology and sub-cooling circuit technology, it is possible to design a system with longer piping and elevation difference which make it easier to design and installation.

Max. Total piping length — 1000m

Max. Actual piping length — 240m

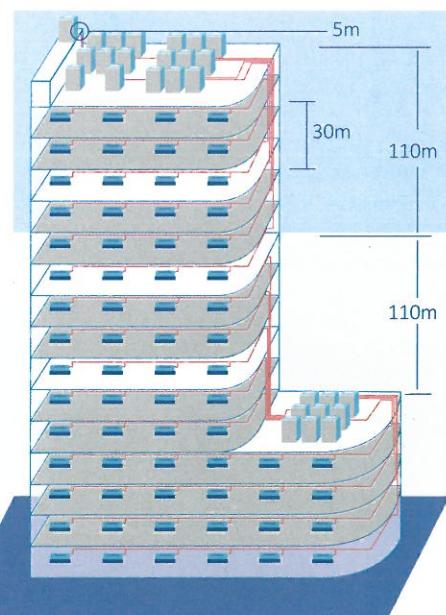
Max. piping length from 1st indoor branch to the farthest indoor unit — 40m/90m*

Max. Level difference between outdoor units — 5m

Max. Level difference between indoor units — 30m

Max. Level difference between ODU and IDU units — 110m

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



Features

DC Inverter Compressor

Optimize the asymmetric vortex design

Heating condition, reducing the outlet temperature, increasing the compressor capacity, improving the heating performance.

Dynamic oil balance structure

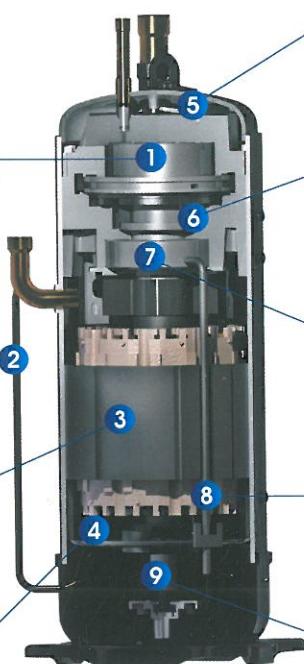
Oil balance tube implementation parallel compressor and oil quantity dynamic equilibrium, ensuring the reliability of several paralleled compressors.

High efficiency motor configuration

Using high quality material concentrated stator, cooperate with neodymium magnet rotor, having outstanding efficiency.

High pressure cavity structure

Large exhaust buffer volume, reducing the air flow noise and vibration of the runtime.



Pressure relief valve structure

Improving the partial load efficiency, adapt to the transformer ratio working condition, improving the compressor performance.

The intermediate pressure servo mechanism

According to the operation pressure among dynamic adjusting middle pressure, has realized the axial flexible, optimization of dynamic vortex disk meshing, improve product performance.

High reliability of the bearing

Adopt cylinder bearing and self-aligning ball bearing bearing group, improving the reliability of the compressor.

Internal oil circulation structure

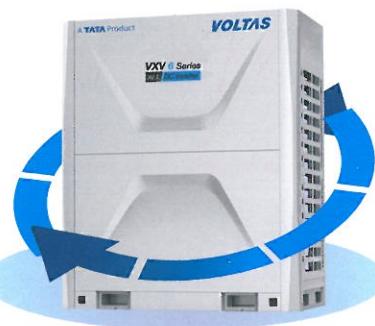
Lubricating oil to achieve internal circulation, reducing heat loss, decreasing the rate of spitting oil, improve the efficiency and reliability.

Positive displacement gear oil pump

Positive displacement gear oil pump to ensure the high and low frequency can satisfy the oil supply, improving the reliability of the compressor.

All-round Protection

- High/low pressure protection
- Low pressure protection
- High/low compression ratio protection
- Low compression ratio protection
- High/low discharge temp. protection
- Low discharge temp. protection

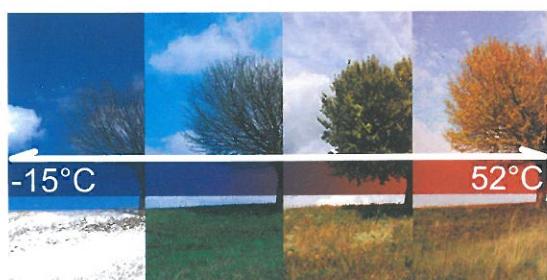


- Voltage protection
- Current protection
- Fan motor protection
- Inverter module protection
- Compressor overload protection
- Phase sequence protection

Ground protection

Wide Operation Range

No matter in hot summer or cold winter, VXB 6 can supply comfortable environment for users.



Auto Dust Removal & Auto Snow-Blowing

The outdoor fan can rotate in reverse direction to remove dust on heat exchanger to ensure the heat exchange performance.



VXV 6 Series

8/10/12HP	14/16/18/20/22HP	24/26/28/30/32/34/36/38/40/42/44HP	46/48/50/52/54/56/58/60/62/64/66HP	68/70/72/74/76/78/80/82/84/86/88HP
				

VXV 6 Series 380~415V-50Hz

HP	8	10	12	14
Model	VXV-H250/SR1MV	VXV-H280/SR1MV	VXV-H330/SR1MV	VXV-H400/SR1MV
Combination	HP	8	10	12
Cooling	kW	25.2	28	33.5
Capacity	Heating	kW	25.2	28
Electric Data	Power supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3
Performance	Air Flow Volume	m³/h	12000	12000
	Sound Pressure level	dB(A)	≤58	≤58
Compressor	Type	DC inverter Scroll	DC inverter Scroll	DC inverter Scroll
	Quantity	1	1	1
Fan motor	Type	DC motor	DC motor	DC motor
	Quantity	1	1	2
Max. No. of Indoor Units	unit	13	16	20
Connection Ratio	%	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	990×765×1635	990×765×1635
	Packing	mm	1030×825×1865	1030×825×1865
Weight	Net	kg	215	215
	Gross	kg	225	225
Pipe Diameter	Liquid Side	mm	12.7	12.7
	Gas Side	mm	22.2	22.2
Operation Range	Cooling	°C	-5~52	-5~52
	Heating	°C	-15~24	-15~24
Stuffing Quantity	20/40/40H	unit	14/28/28	14/28/28
				11/22/22

HP	16	18	20	22
Model	VXV-H450/SR1MV	VXV-H500/SR1MV	VXV-H560/SR1MV	VXV-H610/SR1MV
Combination	HP	16	18	20
Cooling	kW	45	50.4	56
Capacity	Heating	kW	45	56
Electric Data	Power supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3
Performance	Air Flow Volume	m³/h	14000	16000
	Sound Pressure level	dB(A)	≤61	≤63
Compressor	Type	DC inverter Scroll	DC inverter Scroll	DC inverter Scroll
	Quantity	1	2	2
Fan motor	Type	DC motor	DC motor	DC motor
	Quantity	2	2	2
Max. No. of Indoor Units	unit	26	30	33
Connection Ratio	%	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	1340×765×1635	1340×765×1635
	Packing	mm	1395×825×1865	1395×825×1865
Weight	Net	kg	265	330
	Gross	kg	280	345
Pipe Diameter	Liquid Side	mm	15.88	15.88
	Gas Side	mm	28.6	28.6
Operation Range	Cooling	°C	-5~52	-5~52
	Heating	°C	-15~24	-15~24
Stuffing Quantity	20/40/40H	unit	11/22/22	11/22/22
				11/22/22

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.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 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.
- 7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 8.The above combined types are factory-recommended type. Customized modular combination can be done at will.

VXV 6 Individual Series

22/24HP



26/28/30/32HP



HP		22	24	26	28	30	32	
Model	Outdoor	50Hz	VXV-H620/5R1I	VXV-H670/5R1I	VXV-H730/5R1I	VXV-H780/5R1I	VXV-H850/5R1I	VXV-H900/5R1I
Capacity	Cooling	kW	61.5	67	73	78.5	85	90
	Heating	kW	69	75	81.5	87.5	95	100
Electric Data	Power supply	V~.Hz,Ph	380 ~415, 50, 3	380 ~415, 50, 3	380 ~415, 50, 3	380 ~415, 50, 3	380 ~415, 50, 3	380 ~415, 50, 3
Performance	Air Flow Volume	m ³ /h	21000	21000	28000	28000	30000	30000
	Sound Pressure level	dB(A)	≤63	≤63	≤65	≤65	≤65	≤65
Compressor	Type		DC inverter Scroll					
	Quantity		2	2	2	2	2	2
Fan Motor	Quantity		2	2	2	2	2	2
Max. No. of Indoor Units	unit		36	39	43	46	50	53
Connection Ratio			50~130%	50~130%	50~130%	50~130%	50~130%	50~130%
Dimension (WxDxH)	Net	mm	1590×765×1600	1590×765×1600	2350×765×1600	2350×765×1600	2350×765×1600	2350×765×1600
	Packing	mm	1650×815×1770	1650×815×1770	2410×815×1770	2410×815×1770	2410×815×1770	2410×815×1770
Weight	Net	kg	400	400	500	500	500	500
	Gross	kg	420	420	515	515	515	515
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm	15.88	15.88	19.05	19.05	19.05	19.05
	Gas Side	mm	28.6	28.6	34.9	34.9	34.9	34.9
Operation Range	Cooling	°C	-5~52	-5~52	-5~52	-5~52	-5~52	-5~52
	Heating	°C	-20~27	-20~27	-20~27	-20~27	-20~27	-20~27
Stuffing Quantity	20/40/40H	unit	7/14/14	7/14/14	4/8/8	4/8/8	4/8/8	4/8/8

Notes:

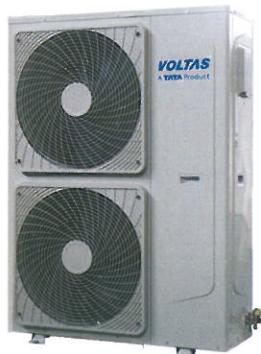
- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 35°C DB/ 24°C WB.
- 2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
- 3.Piping Length:Equivalent piping length: 7.5m, level difference: 0m.
- 4.Anechoic chamber conversion value, measured in test room. During actual operation.These values are normally somewhat higher as a result of ambient conditions.
- 5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 6.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 7.The above combined types are factory-recommended type.

VXV Mini Series

The outdoor units capacity range from 8kW to 28kW both in Single phase & 3 Phasewhich is ideal for small offices, villas, apartment and shops, making it perfect for commercial and residential application.

4.4 HP, 5 HP, 5.7 HP, 8 HP & 10 HP

2.9 HP & 3.6 HP



All DC Inverter

Model	Outdoor	VXV-H080/NR1	VXV-H100/NR1	VXV-H120/NR1	VXV-H140/NR1	VXV-H160/NR1
Capacity	Cooling kW	8.00	10.00	12.30	14.00	16.00
	Heating kW	9.00	11.50	13.20	16.00	18.00
Electric Data	Power Supply V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
Performance	Air Flow Volume m³/h	4154	4154	7200	7200	7200
	Noise Level dB(A)	56	57	57	57	57
Piping Limite	Level difference between IDU and ODU m	30	30	30	30	50
	Level difference between IDU and IDU m	10	10	15	15	15
	Between the first brance and the Farthest IDU m	40	40	40	40	40
	Total Pipe length m	100	100	250	300	300
Max. No. of Indoor Units	unit	4	5	6	6	7
Connection Ratio	%	50~130	50~130	50~130	50~130	50~130
Dimension (WxDxH)	Net mm	970×395×803	970×395×803	940×340×1320	940×340×1320	940×340×1320
	Packing mm	1090×480×855	1090×480×855	1080×430×1440	1080×430×1440	1080×430×1440
Weight	Net kg	66	66	86	86	93
	Gross kg	71	71	91	91	98
Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	19.05(3/4)
Operation Range	Cooling °C	-15~49	-15~49	-15~49	-15~49	-15~49
	Heating °C	-15~27	-15~27	-15~27	-15~27	-15~27
Stuffing Quantity	20/40/40H	unit	48/96/150	48/96/150	48/96/150	26/54/54

Model	Outdoor	VXV-H220/5NR1A	VXV-H280/5NR1A
Capacity	Cooling kW	22.40	28.00
	Heating kW	24.50	28.50
Electric Data	Power Supply V~,Hz,Ph	380~415,50,3	380~415,50,3
Performance	Air Flow Volume m³/h	15300	15300
	Noise Level dB(A)	60	60
Piping Limit	Vertical Pipe Length m	≤30	≤30
	Actual Pipe Length m	45	45
	Equivalent Pipe Length m	50	50
	Total Pipe length m	100	100
Max. No. of Indoor Units	unit	11	12
Connection Ratio	%	50~130	50~130
Dimension (WxDxH)	Net mm	1120×400×1510	1120×400×1510
	Packing mm	1270×560×1710	1270×560×1710
Weight	Net kg	150	150
	Gross kg	170	170
Refrigerant Type		R410A	R410A
Pipe Diameter	Liquid Side mm(inch)	9.52(3/8)	9.52(3/8)
	Gas Side mm(inch)	22.22(7/8)	22.22(7/8)
Operation Range	Cooling °C	-10~52	-10~52
	Heating °C	-15~24	-15~24
Stuffing Quantity	20/40/40H	unit	17/37/37

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.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
- 5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

VXV Series - Indoor Range



Independent Dehumidification



Digital Tube Display



Sleep Mode



Built-in Drain Pump



Fast Cooling/Heating

One Way Cassette

Model	Indoor	VXVC1-H028/4R1A	VXVC1-H036/4R1A	VXVC1-H045/4R1A	VXVC1-H056/4R1A	VXVC1-H071/4R1A
Capacity	Cooling kW	2.8	3.6	4.5	5.6	7.1
	Heating kW	3.2	4	5	6.3	8
Electric Data	Power Supply V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power W	40	40	45	45	50
Performance	Air Flow Volume(Hi/Mid/Low) m³/h	510/410/310	600/480/360	720/570/450	910/830/700	1000/850/750
	Noise Level(Hi/Mid/Low) dB (A)	36/34/30	38/28/26	42/39/35	45/41/39	47/43/40
Dimension (WxDxH)	Net(Body) mm	870×460×250	870×460×250	870×460×250	1180×495×290	1180×495×290
	Packing(Body) mm	1130×570×355	1130×570×355	1130×570×355	1440×660×385	1440×660×385
	Net(Panel) mm	1070×520×33	1070×520×33	1070×520×33	1380×550×33	1380×550×33
	Packing(Panel) mm	1085×555×175	1085×555×175	1085×555×175	1400×585×175	1400×585×175
Weight	Net/Gross(Body) kg	25/32	27/34	27/34	39/46	39/46
	Net/Gross(Panel) kg	3/5	3/5	3/5	5/7	5/7



Independent Dehumidification



Digital Tube Display



Sleep Mode



Built-in Drain Pump



Fast Cooling/Heating

Two Way Cassette

Model	Indoor	VXVC2-H028/4R1A	VXVC2-H036/4R1A	VXVC2-H045/4R1A	VXVC2-H056/4R1A	VXVC2-H071/4R1A
Capacity	Cooling kW	2.8	3.6	4.5	5.6	7.1
	Heating kW	3.2	4.0	5.0	6.3	8.0
Electric Data	Power Supply V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power W	60	62	68	85	94
Performance	Air Flow Volume(Hi/Mid/Low) m³/h	550	620	780	900	1165
	Noise Level(Hi/Mid/Low) dB (A)	36/32/29	36/32/29	39/35/30	39/35/30	43/39/36
Dimension (WxDxH)	Net(Body) mm	840×520×315	840×520×315	960×520×315	960×520×315	1200×520×315
	Packing(Body) mm	1145×685×395	1145×685×395	1265×685×395	1265×685×395	1505×685×395
	Net(Panel) mm	1083×630×33	1083×630×33	1203×630×33	1203×630×33	1443×630×33
	Packing(Panel) mm	1100×665×175	1100×665×175	1220×665×175	1220×665×175	1460×665×175
Weight	Net/Gross(Body) kg	31/38	31/38	36/43	36/43	39/46
	Net/Gross(Panel) kg	4.5/6.5	4.5/6.5	5/7	5/7	7.5/11.5



Independent Dehumidification



Digital Tube Display



Sleep Mode



Built-in Drain Pump



Fast Cooling/Heating

Compact Four Way Cassette

Model	Indoor	VXVCA-H028/R1X	VXVCA-H036/R1X	VXVCA-H045/R1X	VXVCA-H056/R1X
Capacity	Cooling kW	2.8	3.6	4.5	5.6
	Heating kW	3.0	4.3	5.0	6.0
Electric Data	Power Supply V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Rated Power W	33.5	33.5	33.5	33.5
Performance	Air Flow Volume(Hi/Mid/Low) m³/h	700/600/530	700/600/530	700/600/530	700/600/530
	Noise Level(Hi/Mid/Low) dB (A)	45/41/35	45/41/35	45/41/35	45/41/35
Dimension (WxDxH)	Net(Body) mm	570×630×260	570×630×260	570×630×260	570×630×260
	Packing(Body) mm	650×710×290	650×710×290	650×710×290	650×710×290
	Net(Panel) mm	650×650×55	650×650×55	650×650×55	650×650×55
	Packing(Panel) mm	710×710×80	710×710×80	710×710×80	710×710×80
Weight	Net/Gross(Body) kg	19/21	19/21	19/21	19/21
	Net/Gross(Panel) kg	3/5	3/5	3/5	3/5

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, l level difference: 0m.
- 4.Sound level is measured at 1.4m below the unit.
- 5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

VXV Series - Indoor Range



Four Way Cassette

Model	Indoor	VXVCA-H071/4R1B	VXVCA-H080/4R1B	VXVCA-H090/4R1B	VXVCA-H100/4R1B
Capacity	Cooling kW	7.1	8.0	9.0	10.0
	Heating kW	8.0	10.0	11.0	12.0
Electric Data	Power Supply V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power W	100	100	176	176
Performance	Air Flow Volume(Hi/Mid/Low) m³/h	1250/1040/910	1250/1040/910	1500/1200/1050	1500/1200/1050
	Noise Level(Hi/Mid/Low) dB (A)	38/34/30	38/34/30	41/37/34	41/37/34
Dimension (WxDxH)	Net(Body) mm	835×835×250	835×835×250	835×835×250	835×835×250
	Packing(Body) mm	910×910×310	910×910×310	910×910×310	910×910×310
	Net(Panel) mm	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel) mm	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body) kg	27/34	27/34	28/35	28/35
	Net/Gross(Panel) kg	5/7	5/7	5/7	5/7

Model	Indoor	VXVCA-H112/4R1B	VXVCA-H125/4R1B	VXVCA-H140/4R1B
Capacity	Cooling kW	11.2	12.5	14.0
	Heating kW	12.8	13.3	15.0
Electric Data	Power Supply V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power W	200	200	200
Performance	Air Flow Volume(Hi/Mid/Low) m³/h	1800/1440/1260	1800/1440/1260	1800/1440/1260
	Noise Level(Hi/Mid/Low) dB (A)	41/38/35	41/38/35	41/38/35
Dimension (WxDxH)	Net(Body) mm	835×835×290	835×835×290	835×835×290
	Packing(Body) mm	910×910×350	910×910×350	910×910×350
	Net(Panel) mm	950×950×55	950×950×55	950×950×55
	Packing(Panel) mm	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body) kg	30/37	30/37	30/37
	Net/Gross(Panel) kg	5/7	5/7	5/7



Low ESP Duct

Model	Indoor	VXVSD-H022/4R1A	VXVSD-H028/4R1A	VXVSD-H036/4R1A	VXVSD-H045/4R1A	VXVSD-H056/4R1A	VXVSD-H071/4R1A
Capacity	Cooling kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating kW	2.5	3.0	4.3	5.0	6.0	8.0
Electric Data	Power Supply V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power W	59	59	65	91	91	113
Performance	Air Flow Volume(Hi/Mid/Low) m³/h	480/390/320	480/390/320	560/430/390	850/680/575	850/680/575	1000/810/685
	Noise Level(Hi/Mid/Low) dB (A)	30/26/23	30/26/23	32/28/25	38/35/32	38/35/32	39/36/32
Dimension (WxDxH)	External Static Pressure(ESP) Pa	10/30	10/30	10/30	10/30	10/30	10/30
	Net(Body) mm	840×460×185	840×460×185	840×460×185	1160×460×185	1160×460×185	1160×460×185
	Packing(Body) mm	1030×545×250	1030×545×250	1030×545×250	1350×545×250	1350×545×250	1350×545×250
Weight	Net/Gross(Body) kg	15.5/19	15.5/19	16.5/20	20/24	20/24	22/26

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.Sound level is measured at 1.4m below the unit.
- 5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

VXV Series - Indoor Range



Wired Control



Intelligent Defrosting



Sleep Mode



Fast Cooling /Heating



3D Air Flow

Medium ESP Duct

Model	Indoor	VXVMD-H045/4R1A	VXVMD-H056/4R1A	VXVMD-H071/4R1A	VXVMD-H080/4R1A	VXVMD-H090/4R1A
Capacity	Cooling	kW	4.5	5.6	7.1	8.0
	Heating	kW	5.0	6.0	8.0	10.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	100	100	160	160
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	950/850/700	950/850/700	1300/1100/850	1300/1100/850
	Noise Level(Hi/Mid/Low)	dB (A)	40/37/33	40/37/33	41/39/36	41/39/36
External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
	Dimension	mm	890×735×290	890×735×290	890×735×290	890×735×290
(WxDxH)	Packing(Body)	mm	1070×800×360	1070×800×360	1070×800×360	1070×800×360
	Weight	kg	29.5/34	29.5/34	30.5/35	30.5/35

Model	Indoor	VXVMD-H100/4R1A	VXVMD-H112/4R1A	VXVMD-H125/4R1A	VXVMD-H140/4R1A	VXVMD-H150/4R1A
Capacity	Cooling	kW	10.0	11.2	12.5	14.0
	Heating	kW	12.0	12.8	13.3	15.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	180	180	180	240
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	1400/1200/950	2000/1700/1400	2000/1700/1400	2200/1850/1550
	Noise Level(Hi/Mid/Low)	dB (A)	44/41/39	45/42/39	45/42/39	47/43/41
External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
	Dimension	mm	890×735×290	1250×735×290	1250×735×290	1250×735×290
(WxDxH)	Packing(Body)	mm	1070×800×360	1430×800×360	1430×800×360	1430×800×360
	Weight	kg	32.5/37	42/47	42/47	42/47



Wired Control



Intelligent Defrosting



Sleep Mode



Fast Cooling /Heating



3D Air Flow

High ESP Duct

Model	Indoor	VXVHD-H112/4R1A	VXVHD-H125/4R1A	VXVHD-H140/4R1A	ACVXVHD-H150/4R1V	ACVXVHD-H190/4R1V
Capacity	Cooling	kW	11.2	12.5	14.0	15.0
	Heating	kW	12.8	13.3	15.0	16.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	600	600	600	900
Performance	Air Flow Volume (Hi/Mid/Low)	m³/h	2000/1600/1400	2000/1600/1400	2000/1600/1400	2890/2745/2600
	Noise Level (Hi/Mid/Low)	dB (A)	48/46/44	48/46/44	48/46/44	50/48/47
External Static Pressure (ESP)	Pa	196	196	196	196	196
	Dimension	Net	1200×719×380	1200×719×380	1200×719×380	1130×750×475
(WxDxH)	Packing	mm	1235×760×415	1235×760×415	1235×760×415	1230×800×525
	Weight	kg	56/59	56/59	56/59	58/83
	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7 (1/2)

Model	Indoor	VXVHD-H220/4R1B	VXVHD-H280/4R1B	ACVXVHD-H300/4R1V	ACVXVHD-H390/4R1V	VXVHD-H450/5R1A	ACVXVHD-H560/5R1V
Capacity	Cooling	kW	22.4	28.0	30.0	39.0	45.0
	Heating	kW	25.0	31.5	33.0	43.0	49.5
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3
	Rated Power	W	1250	1250	1400	1700	2220
Performance	Air Flow Volume (Hi/Mid/Low)	m³/h	4000/3200/2600	4000/3200/2600	5780/5491/5202	7480/7106/6732	8000/7500/7000
	Noise Level (Hi/Mid/Low)	dB (A)	51/49/48	52/50/49	52/50/49	53/51/49	53/51/49
External Static Pressure (ESP)	Pa	220	220	280	280	280	280
	Dimension	Net	1350×700×460	1350×700×460	1508×795×404	1820×780×475	2115×990×855
(WxDxH)	Packing	mm	1540×810×610	1540×810×610	1608×845×454	1920×830×525	2225×1025×1015
	Weight	kg	91/110	91/110	90/115	110/135	225/260
	Liquid Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.8 (5/8)	12.7(1/2)×2	15.8 (5/8)

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. Sound level is measured at 1.4m below the unit.
5. The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

VXV Series - Indoor Range



Remote Control



Intelligent Defrosting



Sleep Mode



Fast Cooling/Heating

Wall Mounted



Anti-Cold-Air



Digital Tube Display



Wired Control



Central Control

Model	Indoor	VXVWM-H022/4R1A(LH)	VXVWM-H028/4R1A(LH)	VXVWM-H036/4R1A(LH)	VXVWM-H045/4R1A(LH)	VXVWM-H056/4R1A(LH)	VXVWM-H071/4R1A(LH)
Capacity	Cooling kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating kW	2.5	3.0	4.3	5.0	6.0	8.0
Electric Data	Power Supply V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power W	38	38	38	68	68	82
Performance	Air Flow Volume (Hi/Mid/Low) m³/h	650/600/580	650/600/580	650/600/580	850/750/650	850/750/650	1200/950/800
	Noise Level (Hi/Mid/Low) dB (A)	38/33/27	38/33/27	38/33/27	45/41/35	45/41/35	48/45/39
Dimension (WxDxH)	Net mm	850×300×198	850×300×198	850×300×198	970×315×235	970×315×235	1100×330×235
	Packing mm	905×357×267	905×357×267	905×357×267	1010×370×300	1010×370×300	1140×385×300
Weight	Net/Gross kg	10/13	10/13	10/13	14/18	14/18	16/20

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.Sound level is measured 1m below the air outlet horizontally and vertically.
- 5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.



Auto Restart Function



Sleep Mode



Fast Cooling/Heating



Long-term Filter



Intelligent Defrosting



3D Air Flow



Anti-Cold-Air



Remote Control



Low Ambient Cooling



Silent

Ceiling and Floor Mounted



Wired Control



Central Control



Golden Fin

Model	Indoor	VXVCF-H028/4R1A	VXVCF-H036/4R1A	VXVCF-H045/4R1A	VXVCF-H056/4R1A	VXVCF-H071/4R1A	VXVCF-H080/4R1A
Capacity	Cooling kW	2.8	3.6	4.5	5.6	7.1	8.0
	Heating kW	3.0	4.3	5.0	6.0	8.0	10.0
Electric Data	Power Supply V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power W	80	80	80	80	140	140
Performance	SEER/SCOP (Hi/Mid/Low) m³/h	450/360/315	630/504/441	950/760/665	950/760/665	1300/1040/910	1500/1200/1050
	Noise Level (Hi/Mid/Low) dB (A)	37/34/31	39/36/33	42/39/36	42/39/36	45/42/39	47/44/41
Dimension	Net(Body) mm	929×660×205	929×660×205	929×660×205	929×660×205	1280×660×205	1280×660×205
(WxDxH)	Packing(Body) mm	1010×720×290	1010×720×290	1010×720×290	1010×720×290	1360×720×290	1360×720×290
Weight	Net/Gross(Body) kg	26/29	26/29	26/29	26/29	35/39	35/39

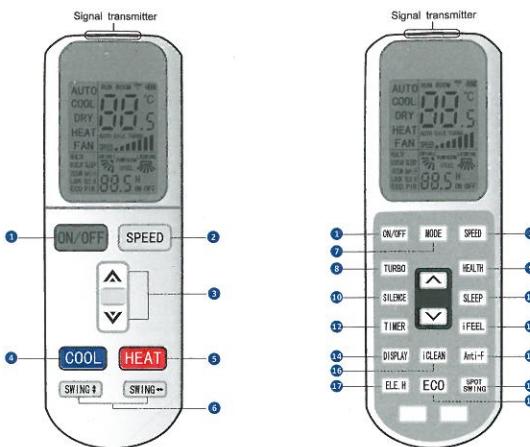
Model	Indoor	VXVCF-H090/4R1A	VXVCF-H100/4R1A	VXVCF-H112/4R1A	VXVCF-H125/4R1A	VXVCF-H140/4R1A
Capacity	Cooling kW	9.0	10.0	11.2	12.5	14.0
	Heating kW	11.0	12.0	12.8	13.3	15.0
Electric Data	Power Supply V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power W	140	140	210	210	210
Performance	SEER/SCOP (Hi/Mid/Low) m³/h	1500/1200/1050	1500/1200/1050	1800/1440/1260	1800/1440/1260	1800/1440/1260
	Noise Level (Hi/Mid/Low) dB (A)	47/44/41	47/44/41	48/45/42	48/45/42	48/45/42
Dimension	Net(Body) mm	1280×660×205	1280×660×205	1631×660×205	1631×660×205	1631×660×205
(WxDxH)	Packing(Body) mm	1360×720×290	1360×720×290	1710×720×290	1710×720×290	1710×720×290
Weight	Net/Gross(Body) kg	35/39	35/39	45/51	45/51	45/51

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.Floor standing:Sound level is measured 1m from air-outlet in horizontal distance, 1m above the floor in vertical distance.
- 5.Ceiling mounted: Sound level is measured 1m from air-outlet in horizontal distance,1m from air-outlet in vertical distance.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

VXV Series - Controls & Accessories

Remote Controllers (YK-L)

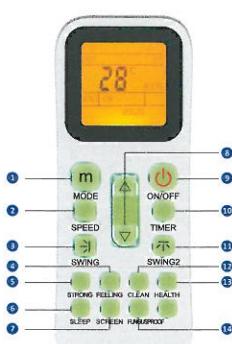


- ① ON/OFF
- ② Fan Speed Setting HIGH/MED/LOW/AUTO
- ③ Temperature-Setting /Timer Range Setting
- ④ Cooling Mode
- ⑤ Heating Mode
- ⑥ Vertical Swing/Horizontal Swing
- ⑦ Mode Setting AUTO/COOL/DRY/HEAT/FAN
- ⑧ Turbo Wind
- ⑨ Health Function
- ⑩ Silence Function

- ⑪ Sleep Function
- ⑫ Timer On/Off
- ⑬ I Feel Function
- ⑭ LED Display On/Off
- ⑮ Anti-fungus Function
- ⑯ Clean Function
- ⑰ Auxiliary Electric Heating
- ⑱ Spot Swing
- ⑲ Economic Function

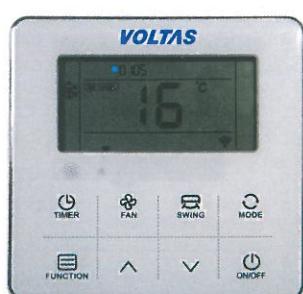
*YK-L -for commissioning

Remote Controller (YK-K)



- ① Mode Setting AUTO/COOL/DRY/HEAT/FAN
- ② Fan Speed Setting HIGH/MED/LOW/AUTO
- ③ Vertical Swing
- ④ Feeling Function
- ⑤ Strong Wind
- ⑥ Sleep Function
- ⑦ LED Display On/Off
- ⑧ Temperature-Setting /Timer Range Setting
- ⑨ ON/OFF
- ⑩ Timer On/Off
- ⑪ Horizontal Swing
- ⑫ Clean Function
- ⑬ Health Function
- ⑭ Fungusproof Function

Wired Controller (XK-05A)



- Built in remote signal receiver
- Address setting
- Follow me
- Built-in timer
- User friendly and elegant design
- Error reporting
- Keyboard Locking

Centralized Touch Screen Controllers



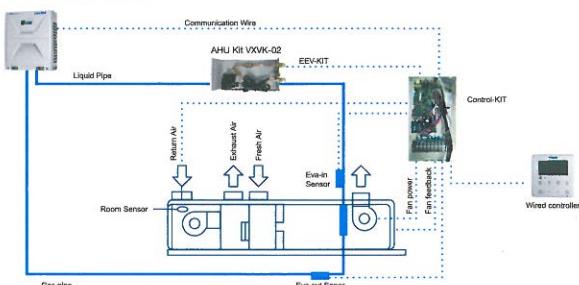
- Touch screen centralized control
- Multi system control
- Multiple lock function
- Weekly schedule control
- Indoor units operation status display
- Flexible wiring
- Keyboard Locking

AHU Kit

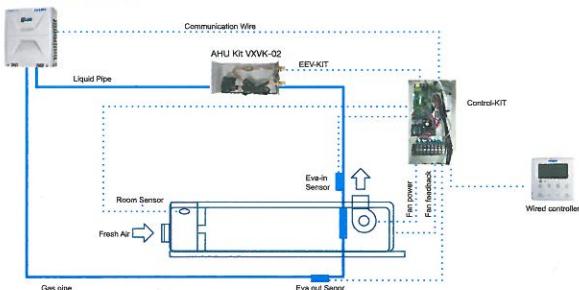


Overall Structure

Partial fresh air system

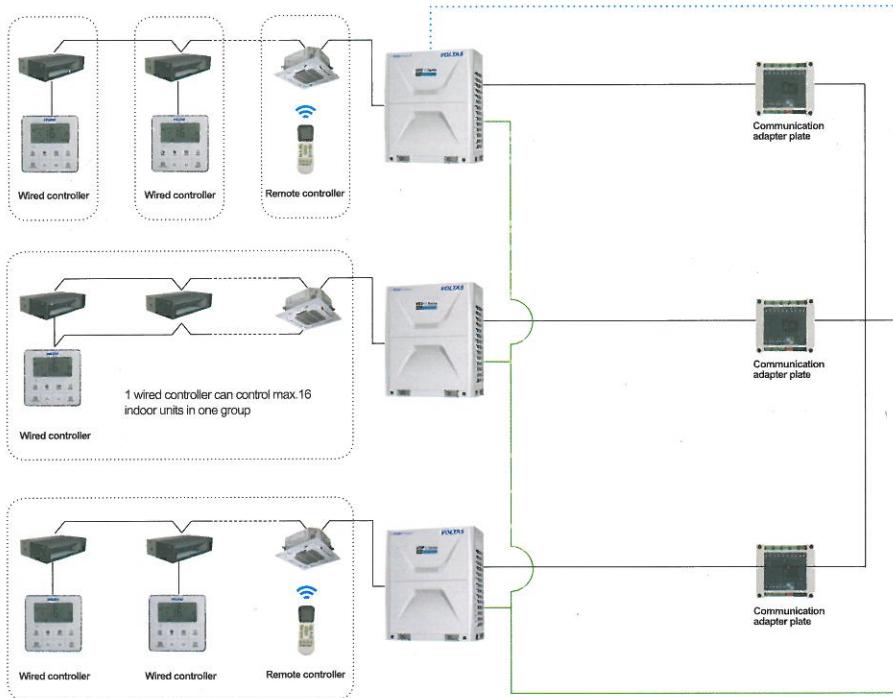


All fresh air system



VXV Series - Network Control

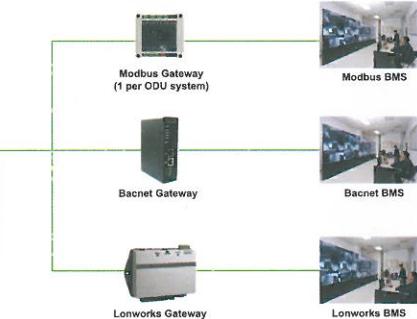
Network Control Software



Centralized Control Software



BMS Control



Awards & Recognition

2018

- ★ Voltas "**India's Most Trusted Air Conditioner Brand**"
- ★ Strategy Leaders Summit & Awards 2018.
- ★ MEP Contractor and Plumbing Project of the Year award.

2017

- ★ **Indywood Built in India Excellence award**
- ★ **IGBC** -'Gold' rating for Voltas Limited Office at Coimbatore.

2016

- ★ **Winner of Eco Times'** Best Corporate Brands 2016

2015

- ★ **Dun & Bradstreet Corporate Awards**
- ★ **Top Taxpayers' Award** Dept. of Central Excise & Service Tax
- ★ **EFFIE Award (silver)** for Effectiveness in Advertising

2014

- ★ **Tata Group's Excellence in Communications Award**
- ★ **World Advertising Research Centre Asia Awards Gold Prize**
- ★ **National Energy Conservation Award**
Govt. of India Ministry of Power



Voltas was recognised as the '**Best Brand in Digital Marketing Excellence in Consumer Durables Category**' at **DigiXX 2018**



Voltas
Domestic Projects
Group recognized
at **Indywood
Built In India
Excellence Awards
2018**

2008 / 2010 / 2011 / 2012 / 2013

- ★ **MEP Middle East Awards**
- ★ **MEP Contractor of the Year**
- ★ **MEP Project Manager of the Year** and '**Health & Safety'**
- ★ **Silver LEED certification**
- ★ **Bry-Air Award for excellence in product Design for VAM**

Voltas Customer Care

Life Cycle Support

Through **MANAGED Services**



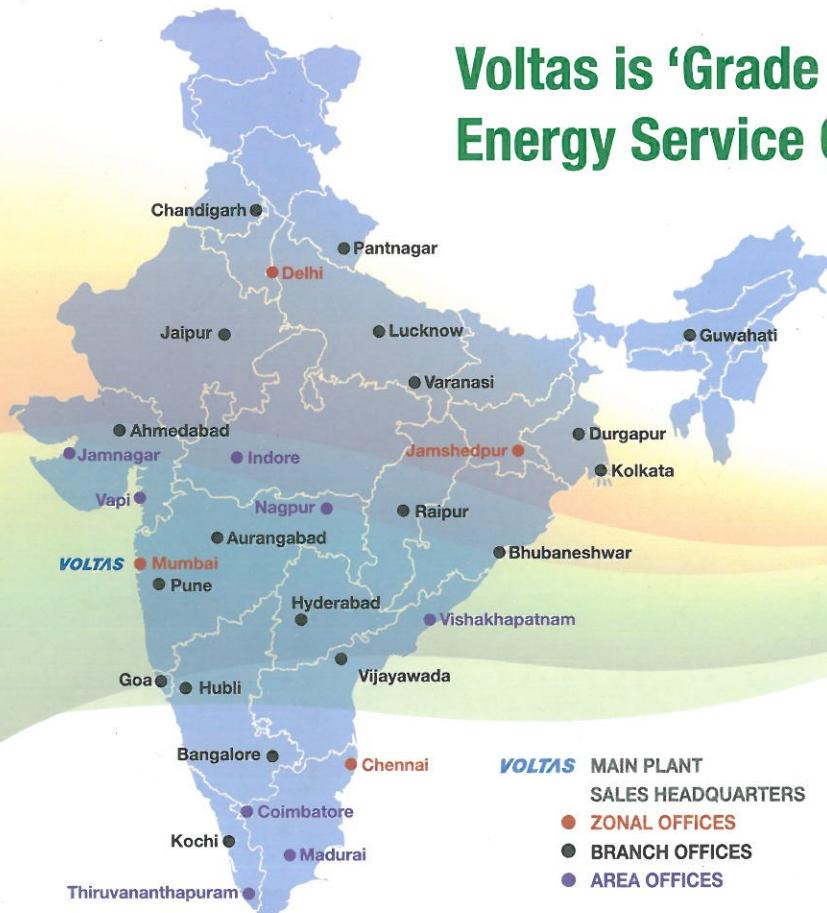
Remote Monitoring



Digital Service Reports



24x7 Helpdesk



Voltas is 'Grade 1' Energy Service Company (ESCO)

Voltas National Network
Easy Access • Quick Satisfaction

Customer Care
1800 233 1202 or 1800 266 0100

MEP Services :

- Electro-mechanical Services
- HVAC
- Refrigeration

Water and Wastewater Management

Value Added Services

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