

Engineering SMART solutions for every application...

home. commercial. industrial.
infrastructure.

UNITARY PRODUCTS



INDIA'S
NO.1 AC
BRAND

Inverter Window AC



Adjustable Inverter AC

COMMERCIAL AIRCONDITIONING



Voltas National Network
Easy Access • Quick Satisfaction

Customer Care
9100660100

VOLTAS LIMITED

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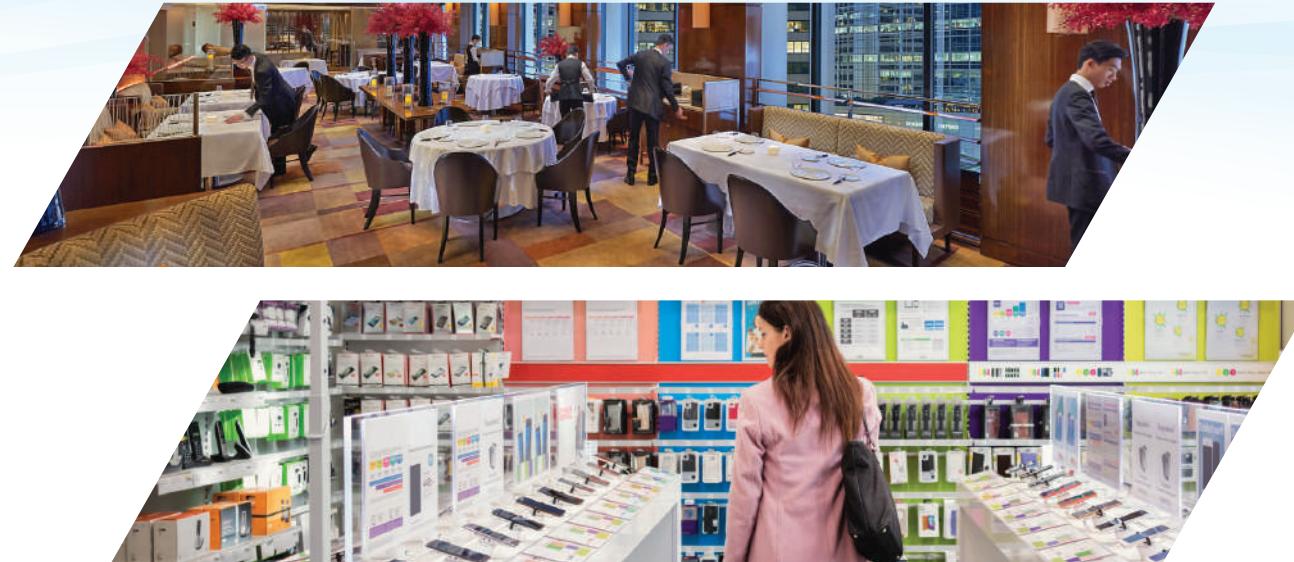
NORTH ZONE: DELHI (011) 66505659/66505678/66505680/66505657 CHANDIGARH (0172) 4111800 JAIPUR (0141) 6541011 LUCKNOW 8840739788 EAST ZONE: KOLKATA (033) 66266268 / 662662283 / 66266262 BHUBANESHWAR (0674) 2747868 PATNA (0612) 2500786 RAIPUR (077) 14033886 WEST ZONE: MUMBAI (022) 66656754/ 66656756 / 66656757 / 66656759 / 66656760 NAGPUR (0712) 6456894 AHMEDABAD (079) 66301102 / 6630 1107 PUNE (020) 66297446 INDORE (0731) 2498616 SOUTH ZONE: CHENNAI (044) - 66760357 / 66760315 / 66760346 BENGALURU (080) 22535648 HYDERABAD (040) 66743007 COCHIN (0484) 6605527.

VL/DSU/02/2020

India's Largest Air Conditioning Company

VOLTAS
A TATA Product

VOLTAS SMART DUCTED SYSTEMS



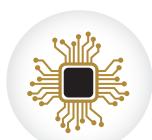
VALUE FOR MONEY



WIDE PRODUCT RANGE



EASE OF SERVICE



IOT ENABLED



CEILING SUSPENDED DUCTABLE SPLIT UNITS



R410a R407c
Green Refrigerants*

AERO THERMO TROPICO
High Performance Products

High Static Units



* Options available

PRODUCT LINEUP

UNIT TYPE / APPEARANCE	REFRIGERANT	5.5 TR	6 TR	8.75 TR	9 TR	11 TR	12 TR	17 TR	18 TR	22 TR
AIR COOLED 	R22 / R407c	●		●		●		●		●
	R410a		●		●		●		●	
WATER COOLED 	R22 / R407c	●		●		●		●		
HIGH PERFORMANCE Air Cooled										
AERO High Airflow	R22 / R407c	●		●		●		●		
THERMO Sustaining high ambient temperature upto 52°C			●							
TROPICO High Airflow & Sustaining high ambient temperature upto 52°C										

KEY FEATURES

DUCTED UNIT
CONTROLLER

TECHNICAL DATA

FACTORY
CHARGED
UNITS

A/C DUCTABLE SPLIT UNITS (R22/R407c)										
DSU Set	Nominal Capacity	TR	5.5 TR	8.5 TR	8.75 TR	11 TR	11 TR	17 TR	22 TR	
	Set Model no.- R22		ACADS05511	ACADS08721	ACADS08711	ACADS11021	ACADS11011	ACADS17021	ACADS22021	
	Set Model no.- R407c		ACADS05512	ACADS08722	ACADS08712	ACADS11022	ACADS11012	ACADS17022	ACADS22022	
Indoor Unit	Dimensions (L x D x H)	mm	1228 x 665 x 404	1508 x 795 x 404	1508 x 795 x 404	1820 x 780 x 475	1820 x 780 x 475	2020 x 750 x 575	2100 x 1240 x 640	
	Net weight	kg	64	81	88	112	117	181	292	
Outdoor unit	No. of Compressors/Set		1	2	1	2	1	2	2	
	Compressor Type		Hermetic Scroll							
	Dimensions/CU (L x D x H)	mm	950 x 450 x 960	1320 x 460 x 960	1200 x 450 x 960	950 x 450 x 960	1550 x 575 x 960	1200 x 450 x 960	1550 x 575 x 960	
	Net weight/CU	kg	120	155	137	120	170	137	170	
	Liquid Line Size	mm	12.7	9.52	15.8	12.7	15.8	15.8	15.8	
	Suction Line Size	mm	19	12.7	28.5	19	28.5	28.5	28.5	
	MCB Rating	A	32	50	50	63	63	100 SFU / MCCB	125 SFU / MCCB	
Cable Size (Material)	Incomer	Sq.mm	4C x 6 (Cu) 4C x 10 (Al)	4C x 10 (Cu) 4C x 16 (Al)	4C x 10 (Cu) 4C x 16 (Al)	4C x 16 (Cu) 3.5C x 25 (Al)	4C x 16 (Cu) 3.5C x 25 (Al)	3.5C x 25 (Cu) 3.5C x 25 (Al)	3.5C x 35 (Cu) 3.5C x 50 (Al)	
	ODU to IDU	Sq.mm	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	

W/C DUCTABLE SPLIT UNITS (R22/R407c)										
DSU Set	Nominal Capacity	TR	5.5 TR	-	8.75 TR	11 TR	-			
	Set Model no.- R22		ACWDS05511	-	ACWDS08711	ACWDS11021	-			
	Set Model no.- R407c		ACWDS05512	-	ACWDS08712	ACWDS11022	-			
Indoor Unit	Dimensions (L x D x H)	mm	1228 x 665 x 404	-	1508 x 795 x 404	1820 x 780 x 475	-			
	Net weight	kg	65	-	88	117	-			
Outdoor Unit	No. of Compressors/Set		1	-	1	2	-			
	Compressor Type		Hermetic Scroll							
	Dimensions/CU (L x D x H)	mm	900 x 665 x 615	-	900 x 665 x 615	900 x 665 x 615	-	900 x 665 x 615	-	
	Net weight/CU	kg	155	-	170	155	-	170	-	
	Liquid Line Size	mm	12.7	-	15.8	12.7	-	15.8	-	
	Suction Line Size	mm	19	-	28.5	19	-	28.5	-	
	MCB Rating	A	25	-	50	50	-	100 SFU / MCCB	-	
Cable Size (Material)	Incomer	Sq.mm	4C x 6 (Cu) 4C x 6 (Al)	-	4C x 10 (Cu) 4C x 16 (Al)	4C x 10 (Cu) 4C x 16 (Al)	-	3.5C x 25 (Cu) 3.5C x 25 (Al)	-	
	ODU to IDU	Sq.mm	3C x 1.5 (Cu)	-	3C x 1.5 (Cu)	3C x 1.5 (Cu)	-	3C x 1.5 (Cu)	-	

A/C DUCTABLE SPLIT UNITS (R410a)										
DSU Set	Nominal Capacity	TR	6 TR	9 TR	12 TR	12 TR	18 TR			
	Set Model no.		ACADS06013	ACADS09013	ACADS12013	ACADS12023	ACADS18023			
Indoor Unit	Dimensions (L x D x H)	mm	1228 x 665 x 404	1508 x 795 x 404	1820 x 780 x 475	1820 x 780 x 475	2020 x 750 x 575			
	Net weight	kg	64	88	117	112	181			
Outdoor unit	No. of Compressors/Set		1	1	1	2	2			
	Compressor Type		Hermetic Scroll							
	Dimensions/CU (L x D x H)	mm	950 x 450 x 960	1200 x 450 x 960	1550 x 575 x 960	950 x 450 x 960	1200 x 450 x 960	1200 x 450 x 960	1200 x 450 x 960	
	Net weight/CU	kg	120	137	170	120	137	120	137	
	Liquid Line Size	mm	12.7	15.8	15.8	12.7	15.8	12.7	15.8	
	Suction Line Size	mm	19	28.5	28.5	19	28.5	28.5	28.5	
	MCB Rating	A	32	63	63	63	63	100 SFU / MCCB	-	
Cable Size (Material)	Incomer	Sq.mm	4C x 6 (Cu) 4C x 10 (Al)	4C x 16 (Cu) 3.5C x 25 (Al)	3.5C x 25 (Cu) 3.5C x 35 (Al)	-				
	ODU to IDU	Sq.mm	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	-	

Notes:

- 1 The nominal capacities mentioned are at rating conditions of Indoor Temperature: 22°C DBT/19°C WBT and Outdoor Temperature: 35°C DBT for Air-cooled units & Cooling Water inlet temperature of 32°C for Water-cooled units.
- 2 Standard Air Cooled Units can operate upto maximum ambient temperature of 48°C.
- 3 The Gas charging at Factory is as per standard connection distance between ODU & IDU. For extra lengths, Gas topping up at site is required.
- 4 The piping sizes given are recommended for 7.5 m equivalent length between ODU & IDU. For longer piping lengths, please contact Voltas representative.
- 5 In addition to mentioned above, one more interlocking cable of size 3C x 1.5 sq mm is required between IDU & ODU.
- 6 For Technical data of High performance models (Aero, Thermo, Tropico), Please refer to full catalogue or contact Voltas representative.

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infrastructure.

UNITARY PRODUCTS



Adjustable Inverter AC

INDIA'S
NO.1 AC
BRAND

Inverter Window AC

COMMERCIAL AIRCONDITIONING



SOLVRF
Inverter Ducted

Inverter
Free Match
Multi Split

Volta's National Network
Easy Access • Quick Satisfaction

Customer Care
9100660100

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VOLTAS

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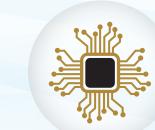
VALUE FOR MONEY



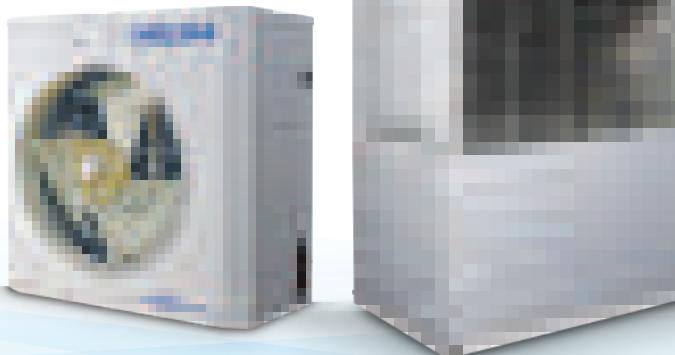
WIDE PRODUCT RANGE



EASE OF SERVICE



IoT ENABLED



FLOOR MOUNTED PACKAGED UNITS



RETAIL SPACES



HOSPITALS



CONTROL ROOMS



BANQUET HALLS



THEATRE/AUDITORIUMS



RESTAURANTS



FACTORIES



OFFICES

* Options available

PRODUCT LINEUP

UNIT TYPE / APPEARANCE	REFRIGERANT	5.5 TR	6 TR	8.75 TR	9 TR	11 TR	12 TR	17 TR	18 TR	22 TR
AIR COOLED 	R22 / R407c	●		●		●		●		●
	R410a		●		●		●		●	
WATER COOLED 	R22 / R407c	●		●		●		●		●
HIGH PERFORMANCE Air Cooled										
AERO High Airflow	R22 / R407c									
THERMO Sustaining high ambient temperature upto 52°C		●		●		●		●		
TROPICO High Airflow & Sustaining high ambient temperature upto 52°C										

KEY FEATURES

NEW LOOK - MAINTENANCE FRIENDLY DESIGN



OPTIONAL TOUCH CONTROLLER



EQUALISATION OF COMPRESSOR RUN TIME



MOTOR PROTECTION DEVICE



AUTO START MODE



SELF DIAGNOSIS FUNCTION



HIGH ENERGY EFFICIENCY



SILENT IDUs & ODUs



INDOOR AIR QUALITY



BLUE FIN TREATMENT

TECHNICAL DATA

A/C PACKAGED UNITS (R22/R407c)							
PAC Set	Nominal Capacity	TR	5.5 TR	8.75 TR	11 TR	17 TR	22 TR
Set Model no.- R22			ACDPUASC551P	ACDPUASC8751P	ACDPUASC1101P	ACDPUASC1701P	ACDPUASC2201P
Set Model no.- R407c			ACDPUASC552P	ACDPUASC8752P	ACDPUASC1102P	ACDPUASC1702P	ACDPUASC2202P
Indoor Unit	No. of Compressors/Set		1	1	2	2	2
	Compressor Type		Hermetic Scroll				
	Dimensions (L x D x H)	mm	960 x 730 x 1660	960 x 730 x 1660	1160 x 735 x 1796	1427 x 800 x 1872	1988 x 800 x 1872
	Net weight	kg	221	231	287	351	499
Outdoor unit	Dimensions/Cond (L x D x H)	mm	950 x 450 x 960	1200 x 450 x 960	950 x 450 x 960	1200 x 450 x 960	1550 x 575 x 960
	Net weight/Condenser	kg	100	107	100	107	119
	Liquid Line Size	mm	12.7	15.8	12.7	15.8	15.8
	Hot gas Line Size	mm	15.8	19	15.8	19	19
	MCB Rating	A	25	40	50	63	100 SFU / MCCB
Cable Size (Material)	Incomer	Sq.mm	4C x 4 (Cu) 4C x 6 (Al)	4C x 4 (Cu) 4C x 6 (Al)	4C x 10 (Cu) 4C x 16 (Al)	4C x 10 (Cu) 4C x 16 (Al)	3.5C x 25 (Cu) 3.5C x 35 (Al)
	ODU to IDU	Sq.mm	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)

W/C PACKAGED UNITS (R22/R407c)							
PAC Set	Nominal Capacity	TR	5.5 TR	8.75 TR	11 TR	17 TR	22 TR
Set Model no.- R22			ACDPUWSC551P	ACDPUWSC8751P	ACDPUWSC1101P	ACDPUWSC1701P	ACDPUWSC2201P
Set Model no.- R407c			ACDPUWSC552P	ACDPUWSC8752P	ACDPUWSC1102P	ACDPUWSC1702P	ACDPUWSC2202P
Indoor Unit	No. of Compressors/Set		1	1	2	2	2
	Compressor Type		Hermetic Scroll				
	No. of W/C Condensers		1	1	2	2	2
	Water Inlet/Outlet Size	Inch	1 -1/4" BSP	1 -1/4" BSP	1 -1/4" BSP x 2	1 -1/4" BSP x 2	1 -1/4" BSP x 2
	Water Flow Rate/Condenser	LPM	73	113	73	113	146
	Dimensions (L x D x H)	mm	960 x 730 x 1660	960 x 730 x 1660	1160 x 735 x 1796	1427 x 800 x 1872	1988 x 800 x 1872
	Net weight	kg	252	260	421	470	615
	MCB Rating	A	25	32	40	63	100 SFU / MCCB
Cable Size (Material)	Incomer	Sq.mm	4C x 4 (Cu) 4C x 6 (Al)	4C x 4 (Cu) 4C x 6 (Al)	4C x 10 (Cu) 4C x 16 (Al)	4C x 10 (Cu) 4C x 16 (Al)	3.5C x 25 (Cu) 3.5C x 35 (Al)
	ODU to IDU	Sq.mm	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)

A/C PACKAGED UNITS (R410a)							
PAC Set	Nominal Capacity	TR	6 TR	9 TR	12 TR	18 TR	
Model no.			ACDPUASC603P	ACDPUASC903P	ACDPUASC1203P	ACDPUASC1803P	
Indoor Unit	No. of Compressors/Set		1	1	2	2	
	Compressor Type		Hermetic Scroll				
	Dimensions (L x D x H)	mm	960 x 730 x 1660	960 x 730 x 1660	1160 x 735 x 1796	1427 x 800 x 1872	
	Net weight	kg	221	231	287	351	
Outdoor Unit	Dimensions/Cond (L x D x H)	mm	950 x 450 x 960	1200 x 450 x 960	950 x 450 x 960	1200 x 450 x 960	
	Net weight/Condenser	kg	100	107	100	107	
	Liquid Line Size	mm	12.7	15.8	12.7	15.8	
	Hot gas Line Size	mm	15.8	19	15.8	19	
	MCB Rating	A	32	50	63	100 SFU / MCCB	
Cable Size (Material)	Incomer	Sq.mm	4C x 4 (Cu) / 4C x 6 (Al)	4C x 10 (Cu) / 4C x 16 (Al)	4C x 10 (Cu) / 4C x 16 (Al)	3.5C x 25 (Cu) / 3.5C x 35 (Al)	
	ODU to IDU	Sq.mm	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)	3C x 1.5 (Cu)

Notes:
1. The nominal capacities mentioned are at rating conditions of Indoor Temperature: 27°C DBT / 19°C WBT and Outdoor Temperature: 35°C DBT for Air-cooled units & Cooling Water inlet temperature of 32°C for Water-cooled units.
2. Standard Air cooled Packaged units are suitable to operate upto 48°C.
3. Only Water-Cooled units are Factory Gas charged & Air-cooled units are to be charged at site.
4. The piping sizes given are recommended for 7.5 m equivalent length between ODU & IDU. For longer piping lengths, please contact Voltas representative.
5. In addition to mentioned above, one more interlocking cable of size 3C x 1.5 sq mm is required between IDU & ODU.
6. For Technical data of High performance models (Aero, Thermo, Tropico), Please refer to full catalogue or contact Voltas representative.

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