

Engineering SMART solutions for every application...

home. commercial. industrial. infrastructure.

UNITARY PRODUCTS



Adjustable Inverter AC



Inverter Window AC



COMMERCIAL AIRCONDITIONING



Magnetic Bearing Chiller



VFD Screw Chiller



VRF System



SOLARF Inverter Ducted

Inverter Free Match Multi Split

Voltas National Network
Easy Access • Quick Satisfaction

Customer Care
9100660100

VOLTAS

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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



RETAIL SPACES



Green Refrigerants*

HOSPITALS



High Performance Products



CONTROL ROOMS



BANQUET HALLS



THEATRE/AUDITORIUMS



RESTAURANTS



High Static Units



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 THERMO Sustaining high ambient temperature upto 52°C TROPICO High Airflow & Sustaining high ambient temperature upto 52°C	R22 / R407c	●		●		●		●		

KEY FEATURES


HIGH ENERGY EFFICIENCY


SILENT IDUs & ODU's


FACTORY CHARGED UNITS


SLIM DUCTED IDUs


INDOOR AIR QUALITY



DUCTED UNIT CONTROLLER


LARGE LCD SCREEN


ENERGY SAVE MODE


EQUALISATION OF COMPRESSOR RUN TIME


FAN SPEED SELECTION


MOTOR PROTECTION DEVICE

TECHNICAL DATA



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	-	17 TR	-
	Set Model no.- R22		ACWDS05511	-	ACWDS08711	ACWDS11021	-	ACWDS17021	-
	Set Model no.- R407c		ACWDS05512	-	ACWDS08712	ACWDS11022	-	ACWDS17022	-
Indoor Unit	Dimensions (L x D x H)	mm	1228 x 665 x 404	-	1508 x 795 x 404	1820 x 780 x 475	-	2020 x 750 x 575	-
	Net weight	kg	65	-	88	117	-	181	-
Outdoor Unit	No. of Compressors/Set		1	-	1	2	-	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
	Net weight/CU	kg	120	137	170	120	137
	Liquid Line Size	mm	12.7	15.8	15.8	12.7	15.8
	Suction Line Size	mm	19	28.5	28.5	19	28.5
MCB Rating	A	32	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)	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 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 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, Tropic), Please refer to full catalogue or contact Voltas representative.

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INDIA'S
NO.1 AC
BRAND



Adjustable Inverter AC



Inverter Window AC

COMMERCIAL AIRCONDITIONING



Magnetic Bearing Chiller



VFD Screw Chiller



VRF System



SOLV VRF
Inverter Ducted

Inverter
Free Match
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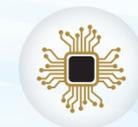
VALUE FOR MONEY



WIDE PRODUCT RANGE



EASE OF SERVICE



IOT ENABLED

**BMS
COMPATIBLE**

R410a R407c
Green Refrigerants*

**AERO
THERMO
TROPICO**
High Performance Products



FLOOR MOUNTED PACKAGED UNITS

**AIR COOLED &
WATER COOLED**



RETAIL SPACES



HOSPITALS



CONTROL ROOMS



BANQUET HALLS



THEATRE/
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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 THERMO Sustaining high ambient temperature upto 52°C TROPICO High Airflow & Sustaining high ambient temperature upto 52°C	R22 / R407c	●		●		●		●		

KEY FEATURES

-  NEW LOOK - MAINTENANCE FRIENDLY DESIGN
-  HIGH ENERGY EFFICIENCY
-  SILENT IDUs & ODU's
-  INDOOR AIR QUALITY
-  BLUE FIN TREATMENT



-  OPTIONAL TOUCH CONTROLLER
-  EQUALISATION OF COMPRESSOR RUN TIME
-  MOTOR PROTECTION DEVICE
-  AUTO START MODE
-  SELF DIAGNOSIS FUNCTION

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
Outdoor Unit	Net weight	kg	221	231	287	351
	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)

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.