

VOLTAS *SMART DUCTED* SYSTEMS



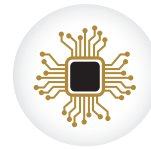
VALUE FOR MONEY



WIDE PRODUCT RANGE



EASE OF SERVICE



IOT ENABLED



CEILING SUSPENDED DUCTABLE SPLIT UNITS



RETAIL SPACES



HOSPITALS



CONTROL ROOMS



BANQUET HALLS



THEATRE/AUDITORIUMS



RESTAURANTS





FACTORIES



OFFICES

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 & ODUs



FACTORY CHARGED UNITS



SLIM DUCTED IDUs



INDOOR AIR QUALITY



LARGE LCD SCREEN



ENERGY SAVE MODE



EQUALISATION OF COMPRESSOR RUN TIME



FAN SPEED SELECTION



MOTOR PROTECTION DEVICE



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	-	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:**
- 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.
 - Standard Air Cooled Units can operate upto maximum ambient temperature of 48°C.
 - The Gas charging at Factory is as per standard connection distance between ODU & IDU. For extra lengths, Gas topping up at site is required.
 - The piping sizes given are recommended for 7.5 m equivalent length between ODU & IDU. For longer piping lengths, please contact Voltas representative.
 - In addition to mentioned above, one more interlocking cable of size 3C x 1.5 sq mm is required between IDU & ODU.
 - For Technical data of High performance models (Aero, Thermo, Tropic), Please refer to full catalogue or contact Voltas representative.

Product design and innovation is a continuous process in VOLTAS and hence the above specifications are subject to change without notice.

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



SOLOVRF
Inverter Ducted

Inverter
Free Match
Multi Split



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VOLTAS

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