

R410A
Inverter



VOLTA[®]

DIGITAL SMART INVERTER



Energy Saving



Emergency
Button



Comfortable
Cooling



Low Noise



Double
Drainage



Wifi Control

12 000 BTU (13 000 BTU) | 18 000 BTU (19 500 BTU) | 24 000 BTU (24 900 BTU)



KEY FEATURES



ECO MODE FOR ENERGY SAVINGS

Activate Eco Mode to maintain an energy-efficient 26°C setting, reducing power usage and environmental impact—all with the push of a button.



RAPID COOLING AND HEATING

Experience instant climate control. Volta Air can lower the temperature to 18°C in just 30 seconds or raise it to 40°C in 60 seconds—providing immediate comfort when you need it most..



SELF-DIAGNOSIS FOR EASY MAINTENANCE

Our intelligent self-diagnosis feature detects and displays error codes, making troubleshooting and maintenance effortless.



AI INVERTER TECHNOLOGY

Our advanced AI-driven inverter adjusts airflow dynamically, ensuring faster cooling or heating while optimizing energy efficiency and reducing electricity consumption.



SLEEP MODE FOR NIGHTTIME COMFORT

Sleep peacefully with Sleep Mode, which gradually adjusts the temperature for a comfortable, energy-efficient night's rest.



SMART AIRFLOW DISTRIBUTION

- Cool air rises – Creating a shower-style cooling effect for even temperature distribution.
- Warm air descends – Wrapping you in blanket-style warmth for cozy comfort.

REMOTE CONTROL & SMART APP CONNECTIVITY

Take control of your aircon from anywhere with our Smart App. Set temperatures, schedule on/off timers, and customize cooling settings remotely.



FILTER CLEANING REMINDER

Never forget to clean your filters! Volta Air notifies you when maintenance is due, ensuring optimal performance and healthier air.



TITAN GOLD TECHNOLOGY FOR DURABILITY

Our TitanGold-coated aluminum fins prevent corrosion and mold buildup, keeping your air conditioner running efficiently for years to come.



			VOL-9SA/ X81	VOL-12SA/ XA81	VOL-18SA/ XA81	VOL-24SA/ XA81	VOL-32SA/ XA81	
Type			heating pump	heating pump	heating pump	heating pump	heating pump	
Control type			remote	remote	remote	remote	remote	
Rated cooling capacity	Btu/h;W		9000(2800-11500)	12000(3410-13000)	18000(4095-19500)	24000(5120-24900)	32000(6142-34120)	
Rated heating capacity	Btu/h;W		9500(3210-12500)	12500(3480-13500)	18000(4095-19500)	24000(5120-24900)	32499(5800-34461)	
EER for cooling	W/W		3.05	3.05	3.05	3.05	3.05	
COP for heating	W/W		3.15	3.15	3.15	3.15	3.15	
Moisture removal	Liters/h		1	1.2	1.8	2.2	2.8	
Pressure	High(DP)	MPa	4.5	4.5	4.5	4.5	4.5	
	Low(SP)	MPa	1.9	1.9	1.9	1.9	1.9	
Indoor noise level(S/H/M/L/Mute)	dB(A)		38/35/32/27/25	39/37/34/30/27	43/40/38/35/33	49/47/45/43/41	49	
Outdoor noise level	dB(A)		48	49	52	55	59	
Electrical Data								
Power supply			220-240V~/50Hz/IP	220-240V~/50Hz/IP	220-240V~/50Hz/IP	220-240V~/50Hz/IP	220-240V~/50Hz/IP	
Voltage Range			V	187-265	187-265	198-242	198-242	198-242
Rated current	Cooling	A	3.9(1.2-7.2)	5.2(1.8-8.0)	7.8(1.4-12.0)	10.5(1.5-13.5)	11.1(1.8-14.9)	
	Heating	A	4.0(1.2-7.5)	5.3(1.8-8.5)	7.8(1.4-12.0)	10.3(1.5-13.0)	12.1(1.9-16.5)	
Rated input	Cooling	W	860(240-1250)	1150(320-1600)	1730(300-2500)	2300(350-2800)	3075(300-3100)	
	Heating	W	880(240-1350)	1160(320-1500)	1720(300-2500)	2200(350-2700)	3020(300-3500)	
Max Current	Cooling	A	7.2	8	12	13.5	14.9	
	Heating	A	7.5	8.5	12	13	16.5	
Max Power input	Cooling	W	1250	1600	2500	2800	3100	
	Heating	W	1350	1500	2500	2700	3500	
Refrigerating&Fan System								
Refrigerant/Charge			kg	R410A/0.480	R410A/0.57	R410A/1.06	R410A/1.37	R410A/2.01
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Rotary	
	Brand		RECHI	GMCC	GMCC	SANYO	SANYO	
Expansion device				Capillary tube	Capillary tube	Capillary tube	Capillary tube	
Indoor air circulation(Cooling/Heating)			m ³ /h	430/430	550/550	1300/1300	1300/1300	1500/1550
Evaporator	a.Number of rows		1	1	2	2	2	
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ9.52,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube	
Condenser	a.Number of rows		1	1	1	2	2	
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ9.52,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube	
Connections								
Connecting Pipe	Gas	mm	Φ9.52(3/8")	Φ9.52(3/8")	Φ9.52(3/8")	Φ12(1/2")	Φ15.88(5/8")	
	Liquid	mm	Φ6(1/4")	Φ6(1/4")	Φ6(1/4")	Φ6(1/4")	Φ6(1/4")	
Connecting Wiring	Size x Core number		4×1.0	4×1.0	3×1.5;4×0.75	3×1.5;4×0.75	3×1.5;4×0.75	
Others								
Suitable area			m ²	9-16	15-23	20-30	30-50	40-65
Max. refrigerant pipe length			m	15	15	15	15	15
Max. difference in level			m	5	5	5	5	5
Operation temperature range			℃	16-31	16-31	16-31	16-31	16-31
Net dimensions (W x D x H)	Indoor	mm	698×255×190	777×250×201	910×294×206	1010×315×220	1186×258×340	
	Outdoor	mm	712×276×459	712×276×459	853×349×602	853×349×602	976×421×804	
Net weight	Indoor	kg	6.5	7	10	11.5	17	
	Outdoor	kg	21	20.67	28	32	47	
Packing dimensions (W x D x H)	Indoor	mm	764×325×257	850×320×275	979×372×277	1096×390×297	1265×337×420	
	Outdoor(w/o pipe)	mm	765×310×481	765×310×481	890×385×628	890×385×628	1022×480×835	
Gross weight	Indoor	kg	8.5	8.7	13	14	20	
	Outdoor(w/i pipe)	kg	23	23	32	35	51	
Loading Capacity w/i pipe	20'/40'GP/40'HQ		375	320	250	196	104	