



Where Comfort Meets Innovation



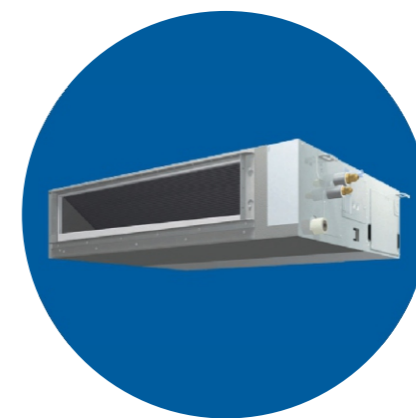
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OUR DC INVERTER RANGE - 1.5 Ton to 8.5 Ton

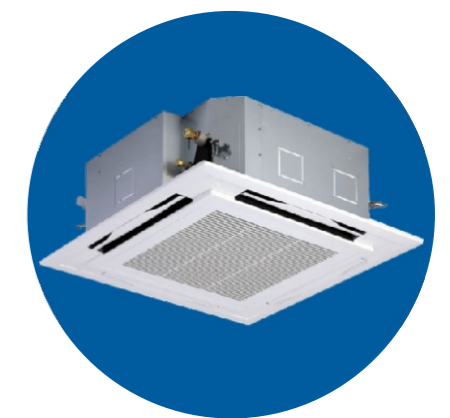
Sabro DC Inverter Range uses cutting-edge air conditioning technology to provide efficient and precise temperature control that leads to increased cost savings.



Wall Mounted Model
1.5 Ton - 2 Ton



Ducted Concealed Unit
1.5 Ton - 2 Ton - 4 Ton



Cassette Type Unit
2 Ton - 4.25 Ton



Floor Standing Unit
4.25 Ton



Outdoor Unit
1.5 Ton - 8.5 Ton



Floor Standing Unit
8.5 Ton



Energy Efficient



Aesthetic Design



Quiet Operation



Dehumidification

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Specifications-CONDENSERS

Inverter Split Air Cooled Condensers: 1.5 Ton to 8.5 Ton

Attributes		Model number			
		CDJ18V(RC)	CDJ24V(RC)	CDJ51V(RC)	CDJ100V(RC)
Cooling capacity	BTU/hr (Min---Max)	18K (12K-22K)	24K(16K-26K)	51K (40K-58K)	100K(90K-106K)
	KW (Min---- Max)	5.3(3.5- 6.4)	7.0(4.7-7.6)	15(11.8-17)	29.4(26.5-31.2)
Heating capacity	BTU/hr (Min--- Max)	19K(12K- 23.5K)	24.2K(16K-27K)	52K(41K-58.5K)	101K(91K-107K)
	KW (Min--- Max)	5.6(3.5- 6.9)	7.1(4.7-7.9)	15.3(12-17.2)	29.7(26.8-31.5)
Compressor type		DC inverter Rotary			DC inverter Scroll
Rated voltage/phase/frequency		220-240V/1P/50HZ			380/415-3-50HZ+N
Power input	Watt (Min ----Max)	1500(450-1980)	1980(770-2640)	4200(1980-5060)	8200(5200-9200)
Rated current	Amp (Min--Max)	3.0/9.0 A	3.5/12.0 A	9.0/23.0 A	13.0/23.0 A
Energy efficiency	EER / COP	12.1/3.6	12.2/3.6	12.2/3.6	12.2/3.6
Refrigerant		R410A			
Gas charged		1.40 KG	2.00 KG	4.50 KG	9.00 KG
Connection sizes	Suction line	1/2" flare	5/8" flare	7/8" flare	7/8" flare
	Liquid line	1/4" flare	3/8" flare	3/8" flare	1/2" flare
Maximum operating temperature (cooling)		48°C (118°F)			
Minimum operating temperature (heating)		-10°C (14°F)			
Net dimensions (MM)	Width-Depth-Height	940-356-686	991-356-838	1143-457-1143	1168-1118-1143
Casing material		Galvanized steel sheet painted with baked powder			
Net weight	KG	50	55	85	110

Rated cooling and heating capacities are at ARI test conditions, (RC) for cooling/heating unit. Due to continuous improvement in product specifications may change.

Specifications-EVAPORATORS

1. Inverter Split-Wall Mounted Evaporators: 1.5 Ton & 2.0 Ton

INDOOR UNIT			
		EPJ18V (RC)	EPJ24V (RC)
Air flow rate (High)	CFM (lit/sec)	500 (236)	670(316)
Air swing		Provided	
Sound pressure level	(dBA) high	42	46
Motor power	Watts	35	45
Net dimension (MM)	Width-Depth-Height	1020-195-325	1020-195-325
Casing material		Hi Synthetic Plastic	
Weight	KG	30	35

Cooling Capacity(BTU/hr) vs Area (ft ²)	Unit Cooling Capacity	Room exposed to sun	Roof and 3 walls not exposed to sun,
CDJ18+EPJ18 (18000 BTU/hr)	150ft ² -----	170ft ²	200ft ² ----- 220ft ²
CDJ24+EPJ24 (24000 BTU/hr)	200ft ² -----	230ft ²	250ft ² ----- 280ft ²

Based on 9 inch brick wall, with both sides plastered, Room Height: 10.5 feet,

2. 4-Way Cassette Type Unit: 2.0 Ton & 4.25 Ton

Model	Capacity, Btu/H(KW.H)	Compressor	Refrigerant Gas
	Cooling/Heating		
CY-24R	24,000(7.00)/26,000(7.70)	DC INVERTER Rotary	R410A
CY-51R	51,000(15.0)/53,000(15.53)	DC INVERTER Rotary	R410A

Rated cooling and heating capacities are at ARI test conditions, Due to continuous improvement in product specifications may change.

Specifications-EVAPORATORS

3. Inverter Split-Ducted Concealed Evaporators:1.5 Ton, 2.0 Ton & 4.0 Ton

Indoor Units	MODEL	EHR-18	EHR-24	EHR-48
Nominal cooling capacity	Btu/Hr	19000	24500	51000
	Kcal/Hr	4792	6174	12852
Nominal heating capacity	Btu/Hr	19500	25200	51500
	Kcal/Hr	4918	6350	12978
Outdoor Model	CDJ	18	24	48
Motor	Type	Permanent Split Capacitor (PSC)		
	Input Voltage	208-230-50HZ		
	Input Watts	200	230	460
	Motor R.L.A	0.9	1.1	2.2
Type	Direct Driven, Centrifugal			
Fan speed		3		
Air flow rate	CFM	450	740	1400
External static pressure	In Wg.	0.15	0.15	0.15
Evaporator coils	Type	Aluminum		
Refrigerant	Type	R-410A		
Refrigerant control	Type	Capillary		
Refrigerant connection	Type	Flare Type		
Liquid connection	Size	5/8" OD	5/8" OD	7/8" OD
Drain connection	Size	1/2" Male Piping Thread		
Air filter	Size	1" Thick Washable(Aluminum)		
Dimension Mm(Inch)	Height	295(11.6)	310(12.2)	670(26.4)
	Width	750(29.5)	920(36.2)	1226(48.3)
	Depth	285(11.2)	305(12)	812(31.9)
Net weight	Kg	45	55	80

4. Inverter Split (Floor-Standing) Air Conditioners:4.25 Ton & 8.50 Ton

APPLICATION	ITEM	ASU 0505-S	ASU 100D-VC
Cooling capacity	BTU/Hr	51000	102000
	KCAL/Hr	12852	25704
	KW	15.00	30.00
Heating capacity	BTU/Hr	51500	103000
	KCAL/Hr	12978	25956
	KW	15.10	30.20
Refrigerant		R-410A (Factory Charged)-optional/Charged at site	
Refrigerant circuits	Qty	1	2
Refrigerant flow control	Type	Capillary Tube	
Power supply		380/415-3-50HZ+N	
Evaporator Fan	Type	Forward Curved, Centrifugal, Belt Drive	
	CFM	1500	3000
	ESP.(in.Wg)	0.60	0.60
Evaporator fan motor	Nominal Hp	0.75	2.00
	Amp.(RLA)	1.00	2.70
Air filters	Type	2" Thick Washable Aluminum Air Filters	
Liquid line connecton	Type	Welded	
	Size(inch)	3/8" OD	2x3/8" OD
Suction line connection	Type	Welded	
	Size(inch)	7/8" OD	2x7/8" OD
Condensate drain connection	Type	Female Pipe threaded	
	Size (inch)	3/4"	
Dimensions mm. (Inch)	Height	1956(77.0")	1943(76.5")
	Width	838(33.0")	1397(55.0")
	Depth	368(14.5")	457(18.0")
Weight (Approx.)	Kg.	170	215

Rated cooling and heating capacities are at ARI test conditions, Due to continuous improvement in product specifications may change.