سكاي ستار
Air Conditioning
Sky star

ALFOUAD الفؤاد
Air Conditioning لأعمال التكييف والصيانة

CASSETTE

AIR CONDITIONERS

Capacity 18-48K

ECCA - 60Hz

R410A

سكاي ستار

Air Conditioning
Sky star

ECCA
18K - 48K

CST
18K - 36K

CSS
48K

TECHNICAL SPECIFICATIONS - COOL ONLY

Models - CASSETTE AC With Side Discharge Condenser					Indoor Unit	ECCA				
						18	24	30	36	48
					Outdoor Unit	CST				CSS
						18	24	30	36	48
Nominal Capacities			Cooling @ T1		Btu/h	17900	23500	30000	34000	44000
Power Consumption					Watts	1450	1900	2450	2700	3650
Running Current					Amps	6.3	8.3	10.8	12.2	15.9
EER					V/Ph/Hz	12.30	12.30	12.20	12.50	12.05
Nominal Capacities			Cooling @ T3		Btu/h	16300	20000	26000	29000	38000
Power Consumption					Watts	1750	2300	2950	3250	4500
Running Current					Amps	7.6	10.1	12.9	14.6	19.7
EER					Btu/hr/W	9.30	8.65	8.80	8.90	8.45
Refrigerant Type						R410a				
Indoor Unit	Power Supply				V/Ph/Hz	230/1/60				
	Fan	Fan Type				Forword type-plastic				
		Air flow Rate			m^3/h	1300/1100/850	1300/1100/850	1700/1500/1300	1700/1500/1300	2000/1800/1600
		Input Power			W	105	105	130	130	130
		Running Current			A	0.42	0.42	0.50	0.50	0.50
		Fan Motor Protection				Auto Reset Thermal Overload				
		Sound Pressure (H/M/L) @ 1 meter			dBA	44/48/51	44/48/51	46/49/52	46/49/52	46/49/52
	Coil	Tube	Material			Grooved copper tube				
			Diameter		mm	7.0				
		Fin	Material			Hydrophillic aluminium				
			No. Of Rows			3	3	3	3	3
	Body Dimensions (Unpacked)		(H x W x D)		mm	230×840×840	230×840×840	285×840×840	285×840×840	285×840×840
	Body Dimensions (Packed)		(H x W x D)			250×920×920	250×920×920	310×920×920	310×920×920	310×920×920
	Panel Dimensions (Unpacked)		(H x W x D)			40×950×950	40×950×950	40×950×950	40×950×950	40×950×950
	Panel Dimensions (Packed)		(H x W x D)			100×1030×1030	100×1030×1030	100×1030×1030	100×1030×1030	100×1030×1030
	Net / Gross Weight (Body)				kg	25/29	24/29	29/35	29/35	29/35
	Net / Gross Weight (Panel)				kg	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5
	System Operation Control					Remote Controller				
	Condensate Drainage (O.D.)				mm	32	32	32	32	32
	Air Filter					Washable Synthetic Filter				
Outdoor Unit	Power Supply				V/Ph/Hz	230/1/60				
	Air Discharge				Type	Side				
	Compressor	Quantity				1				
		Compressor Type				Rotary				SCROLL
		Vibration Isolator				Rubber mount				
		Protection Device				Auto Reset Thermal Overload				
	Fan	Quantity				1	1	1	1	2
		Fan / Type Drive				Propeller/Direct Drive				
		Fan Speed			rpm	890	880	880	850	800
		Blade Material				Plastic				
	Coil	Type	Construction			Fin - Tube construction				
		Material	Tube			Inner Groove Copper Tube				
			Fin			Aluminum				
		Rows deep			No.s	3	3	3	3	4
	Unit Dimensions		(H x W x D)		mm	702×914×382	810×1015×445	810×1015×445	810×1015×445	1330×911×400
	Packed Dimension		(H x W x D)		mm	770×975×435	875×1075×495	875×1075×495	875×1075×495	1445×1010×415
	Net/Gross Weight				kg	51/57	67/72	69/75	72/77	108/117
	Piping	Type				Flare + Nuts				
		Pipe Size	Suction		inch	1/2	5/8	3/4	3/4	3/4
			Liquid			1/4	3/8	3/8	3/8	3/8
		Max. Refrigerant Pipe length			M	25	25	25	30	50
		Max. difference in level			M	15	15	15	20	30
Laodability (In Set)		CONTAINER SIZE			20	35	28	28	28	25
					40 FT	78	62	62	62	50
					40 HC	84	75	75	75	64

* The pipe length and level difference given is maximum and it is based on the condensor position. Refer manual for more details

- T1 : Nominal Cooling Capacity is based on 80.6°F (27°C) dry bulb, 66.2°F (19°C) wet bulb indoor conditions and 95°F (35°C) dry bulb ambient outdoor temperature at high speed.
- T3 : Cooling Capacity is based on 84.6°F (29°C) dry bulb, 66.2°F (19°C) wet bulb indoor conditions and 115°F (46°C) dry bulb ambient outdoor temperature at high speed.
- Specifications are subjected to change without notice in accordance with our policy of continous research and product development
- Noise test data is @ 1 meters distance, as per factory test standard

ECCA
18K - 48K

CST
18K - 36K

CSS
48K

TECHNICAL SPECIFICATIONS - HEAT PUMP

Models - CASSETTE AC With Side Discharge Condenser					Indoor Unit	ECCA				
						18	24	30	36	48
					Outdoor Unit	CST				CSS
						18	24	30	36	48
Nominal Capacities			Cooling @ T1		Btu/h	17900	23500	30000	34000	44000
Power Consumption					Watts	1450	1900	2450	2700	3650
Running Current					Amps	6.3	8.3	10.8	12.2	15.9
EER					Btu/hr/W	12.30	12.30	12.20	12.50	12.05
Nominal Capacities			Cooling @ T3		Btu/h	16300	20000	26000	29000	38000
Power Consumption					Watts	1750	2300	2950	3250	4500
Running Current					Amps	7.6	10.1	12.9	14.6	19.7
EER					Btu/hr/W	9.30	8.65	8.80	8.90	8.45
Nominal Capacities			Heating		Btu/h	17100	23700	29000	32400	46000
Power Consumption					Watts	1200	1900	2150	2600	3750
Running Current					Amps	5.2	8.3	9.4	11.3	16.3
COP					W/W	4.20	3.65	3.95	3.65	3.60
Refrigerant Type						R410a				
Indoor Unit	Power Supply				V/Ph/Hz	230/1/60				
	Fan	Fan Type				Forword type-plastic				
		Air flow Rate			m^3/h	1300/1100/850	1300/1100/850	1700/1500/1300	1700/1500/1300	2000/1800/1600
		Input Power			W	105	105	130	130	130
		Running Current			A	0.42	0.42	0.50	0.50	0.50
		Fan Motor Protection				Auto Reset Thermal Overload				
		Sound Pressure (H/M/L) @ 1 meter			dBA	44/48/51	44/48/51	46/49/52	46/49/52	46/49/52
	Coil	Tube	Material			Grooved copper tube				
			Diameter		mm	7.0				
		Fin	Material			Hydrophillic aluminium				
			No. Of Rows			3	3	3	3	3
	Body Dimensions (Unpacked)			(H x W x D)	mm	230×840×840	230×840×840	285×840×840	285×840×840	285×840×840
	Body Dimensions (Packed)			(H x W x D)		250×920×920	250×920×920	310×920×920	310×920×920	310×920×920
	Panel Dimensions (Unpacked)			(H x W x D)		40×950×950	40×950×950	40×950×950	40×950×950	40×950×950
	Panel Dimensions (Packed)			(H x W x D)		100×1030×1030	100×1030×1030	100×1030×1030	100×1030×1030	100×1030×1030
	Net / Gross Weight (Body)				kg	25/29	24/29	29/35	29/35	29/35
	Net / Gross Weight (Panel)				kg	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5
	V					Remote Controller				
	Condensate Drainage (O.D.)				mm	32	32	32	32	32
	Air Filter					Washable Synthetic Filter				
Outdoor Unit	Power Supply				V/Ph/Hz	230/1/60				
	Air Discharge				Type	Side				
	Compressor	Quantity				1				
		Compressor Type				Rotary				SCROLL
		Vibration Isolator				Rubber mount				
		Protection Device				Auto Reset Thermal Overload				
	Fan	Quantity				1	1	1	1	1
		Fan / Type Drive				Propeller/Direct Drive				
		Fan Speed			rpm	890	880	880	850	800
		Blade Material				Plastic				
	Coil	Type		Construction		Fin - Tube construction				
		Material		Tube		Inner Groove Copper Tube				
				Fin		Aluminum				
		Rows deep			No.s	3	3	3	3	4
	Unit Dimensions			(H x W x D)	mm	702×914×382	810×1015×445	810×1015×445	810×1015×445	1330×911×400
	Packed Unit Dimensions			(H x W x D)	mm	770×975×435	875×1075×495	875×1075×495	875×1075×495	1445×1010×415
	Net Weight				kg	51/57	67/72	69/75	72/77	108/117
	Piping	Type				Flare + Nuts				
		Pipe Size		Suction	inch	1/2	5/8	3/4	3/4	3/4
				Liquid		1/4	3/8	3/8	3/8	3/8
		Max. Refrigerant Pipe length			M	25	25	25	30	50
		Max. difference in level			M	15	15	15	20	30
Laodability (In Set)		CONTAINER SIZE			20	35	28	28	28	25
					40 FT	78	62	62	62	50
					40 HC	84	75	75	75	64

* The pipe length and level difference given is maximum and it is based on the condensor position. Refer manual for more details

- T1 : Nominal Cooling Capacity is based on 80.6°F (27°C) dry bulb, 66.2°F (19°C) wet bulb indoor conditions and 95°F (35°C) dry bulb ambient outdoor temperature at high speed.
- T3 : Cooling Capacity is based on 84.6°F (29°C) dry bulb, 66.2°F (19°C) wet bulb indoor conditions and 115°F (46°C) dry bulb ambient outdoor temperature at high speed.
- H1 : Heating Capacity is based on 68°F (20°C) dry bulb, 59°F (15°C) wet bulb indoor conditions and 44.6°F (7°C) dry bulb ambient outdoor temperature at high speed.
- Specifications are subjected to change without notice in accordance with our policy of continous research and product development
- Noise test data is @ 1 meters distance, as per factory test standard