



SOLTARO
INNOVATIVE SOLAR BATTERY STORAGE SOLUTIONS

AIR CONDITIONING UNIT DATASHEET

Model No.

Indoor Unit

IACSTR001



IACSTR002



IACSTR004



Outdoor Unit



Type		Reverse Cycle	Reverse Cycle	Reverse Cycle
Ratings				
Cooling Capacity	W	2500(800~3200)	3500(1200~4300)	7200(2300~7500)
Heating Capacity	W	3200(1100~4000)	4000(1200~5300)	7500(2100~8000)
Rated Input-Cooling	W	520(130~850)	810(130~1250)	1840(550~2900)
Rated Input-Heating	W	670(130~950)	990(200~1400)	1910(500~3000)
Moisture Removal	L/H.r	0.9	0.9	2.5
Air Circulation	m3/h	620	620	1200
EER	kW/kW	4.81	4.32	3.91
COP	kW/kW	4.78	4.46	3.93
AEER		4.76	4.29	3.90
ACOP		4.74	4.42	3.91
TCSPF-HOT/AVERAGE/COOL		6.63/6.084/6.258	6.059/5.629/5.825	5.635/5.308/5.567
HSPF-HOT/AVERAGE/COOL		5.265/4.882/4.41	5.36/4.743/4.24	4.902/4.306/3.8
Energy star rating for Cooling ZERL - HOT		5	4.5	4
Energy star rating for Heating ZERL - HOT		3.5	3.5	3
Energy star rating for Cooling ZERL - Average		4.5	4	3.5
Energy star rating for Heating ZERL - Average		3	3	2
Energy star rating for Cooling ZERL - Cool		4.5	4	3.4
Energy star rating for Heating ZERL - Cool		2.5	2.5	2
Refrigerant (Type / kg)		R32/0.8	R32/1	R32/1.58
Indoor Unit Noise Level (sound pressure)	High(dB (A))	39	39	47
Silent(dB (A))	25	25		32
Indoor Unit Noise Level (sound power)	dB (A)	59	59	68
Outdoor Unit Noise Level (sound power)	dB (A)	59	60	68

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Power Supply

Voltage, Frequency, Phase		220-240V/50Hz-1Ph	220-240V/50Hz-1Ph	220-240V/50Hz-1Ph
Rated Current	Cooling(Amp.) Heating(Amp.)	2.3(0.5~5.1) 3.0(0.8~5.8)	3.6(1.0~7.5) 4.4(1.5~8.4)	8.3(2.8~16.5) 8.5(3.2~18.5)
LRA	A	/	/	/
MAx	W A	850/950 5.1/5.8	1250/1400 7.5/8.4	3400/4000 16.5/18.5

System

Compressor type	Rotary	Rotary	Rotary
Compressor MFG	GMCC	GMCC	GMCC
Model No.	KSK89D59UEZC	KSN108D34UFZ	KTM225D43UMT
Expansion Device	EEV	EEV	EEV
Evaporator	Copper tube and Aluminum Fin	Copper tube and Aluminum Fin	Copper tube and Aluminum Fin
Condenser	Copper tube and Aluminum Fin	Copper tube and Aluminum Fin	Copper tube and Aluminum Fin

Connecting Pipe Diameter

Liquid Pipe	inch	1/4	1/4	3/8
Gas Pipe	inch	3/8	3/8	5/8

Features

DC Motors (Indoor / outdoor / compressor)		Yes	Yes
Vertical Auto Swing Louver	Yes	Yes	Yes
Horizontal Auto Swing Louver	Yes	Yes	Yes
Hidden display	Yes	Yes	Yes
LCD Wireless Remote Controller	Yes	Yes	Yes
Removable and washable Panel	Yes	Yes	Yes
Washable PP Filter	Yes	Yes	Yes
Multi layered Filter			
24 Hours Timer	Yes	Yes	Yes
5 Speed and Auto Indoor Fan Control	Yes	Yes	
Dimmer	Yes	Yes	Yes
Sleep Operation	Yes	Yes	Yes
Smart Function	Yes	Yes	Yes
Super Function	Yes	Yes	Yes
Auto Restart	Yes	Yes	Yes
Anti rust/Anti insert	Yes	Yes	Yes
Self clean	Yes	Yes	Yes
WIFI / VOICE Control	Yes	Yes	Yes
50°C cooling	Yes	Yes	Yes
wide range voltage (170V-270V)	Yes	Yes	Yes

Precharged Length / Max Height Difference

Length/Height	m	20/10	25/10	40/20
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Size

Net Dimensions WxHxD (mm)	Indoor Unit Outdoor Unit	866×270×213 780×540×260	866×270×213 810×585×280	1086×315×229 1060×667×310
Net Weight (Kg)	Indoor Unit Outdoor Unit	8.5 27.5	8.5 33	16 46
Packing Dimensions WxHxD (mm)	Indoor Unit Outdoor Unit	940×335×265 910×600×360	940×335×265 940×630×385	1170×390×315 1060×820×450
Gross Weight (Kg)	Indoor Unit Outdoor Unit	11 30	11 36	16 56

Loading Capacity (40'HC) without pipe

110/212/256

93/192/223

54/110/126



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