



AIR CONDITIONING UNIT DATASHEET

Model No.

Indoor Unit

Outdoor Unit

IACSTR001



IACSTR002



IACSTR003



IACSTR004



Type		Reverse Cycle	Reverse Cycle	Reverse Cycle	Reverse Cycle
Ratings					
Cooling Capacity	W	2500(800~3200)	3500(1200~4300)	5000(1700~6000)	7100(2300~7500)
Heating Capacity	W	3200(1100~4000)	4000(1200~5300)	5300(1800~7000)	7700(2100~8000)
Rated Input-Cooling	W	520(130~850)	810(130~1250)	1230(320~2100)	2000(550~2900)
Rated Input-Heating	W	670(130~950)	990(200~1400)	1240(340~2300)	2200(500~3000)
Moisture Removal	L/H.r	0.9	0.9	2.0	2.5
Air Circulation	m ³ /h	620	620	1200	1200
EER	kW/kW	4.81	4.32	4.07	3.55
COP	kW/kW	4.78	4.04	4.27	3.50
AEER		4.76	4.29	4.01	3.52
ACOP		4.74	4.01	4.21	3.47
TCSPF-HOT/AVERAGE/COOL		10.30/8.09/8.34	7.60	6.14	5.67
HSPF-HOT/AVERAGE/COOL		5.27/4.88/4.41	5.35	4.97	4.16
Energy star rating for Cooling ZERL - HOT		8.5	6	4.5	4
Energy star rating for Heating ZERL - HOT		3.5	3.5	3.5	2.5
Energy star rating for Cooling ZERL - Average		6.5	5	4	3.5
Energy star rating for Heating ZERL - Average		3	3	2.5	2
Energy star rating for Cooling ZERL - Cool		6.5	5	4	3.5
Energy star rating for Heating ZERL - Cool		2.5	2.5	2	1.5
Refrigerant (Type / kg)		R32/0.8	R32/0.92	R32/1.2	R32/1.5
Indoor Unit Noise Level (sound pressure)	High(dB (A))	39	39	46	47
	Silent(dB (A))	25	25	32	32
Indoor Unit Noise Level (sound power)	dB (A)	59	59	64	65
Outdoor Unit Noise Level (sound power)	dB (A)	59	60	63	67

Model No.		IACSTR001	IACSTR002	IACSTR003	IACSTR004
Power Supply					
Voltage, Frequency, Phase		220-240V/50Hz-1Ph	220-240V/50Hz-1Ph	220-240V/50Hz-1Ph	220-240V/50Hz-1Ph
Rated Current	Cooling(Amp.)	2.3(0.5~5.1)	3.6(1.0~7.5)	5.5(1.4~10)	9.0(3.3~16.5)
	Heating(Amp.)	3.0(0.8~5.8)	4.4(1.5~8.4)	7.3(1.5~11)	9.9(3~19)
LRA	A	/	/	/	/
MAX	W	850/950	1250/1400	2100/2300	2900/3400
	A	5.1/5.8	7.5/8.4	12/13.1	16.5/19

System					
Compressor type		Rotary	Rotary	Rotary	Rotary
Compressor MFG		GMCC	GMCC	GMCC	GMCC
Model No.		KSK89D59UEZC	KSN108D34UFZ	KTN150D42UFZ	KTM225D43UMT
Expansion Device		EEV	EEV	EEV	EEV
Evaporator		Copper tube and Aluminum Fin	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	Copper tube and Aluminum Fin

Connecting Pipe Diameter					
Liquid Pipe	inch	1/4	1/4	1/4	3/8
Gas Pipe	inch	3/8	3/8	1/2	5/8

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

Precharged Length / Max Height Difference					
Length/Height	m	20/10	25/10	30/20	30/20

Size					
Net Dimensions WxHxD (mm)	Indoor Unit	866×270×213	866×270×213	1141×315×233	1141×315×233
	Outdoor Unit	780×540×260	810×585×280	860×667×310	860×667×310
Net Weight (Kg)	Indoor Unit	8.5	8.5	13	13
	Outdoor Unit	27.5	33	40	46
Packing Dimensions WxHxD (mm)	Indoor Unit	940×335×265	940×335×265	1195×380×310	1195×380×310
	Outdoor Unit	910×600×360	940×630×385	995×720×420	995×720×420
Gross Weight (Kg)	Indoor Unit	11	11	16	16
	Outdoor Unit	30	36	43	50

Loading Capacity (40'HC) without pipe	110/212/256	93/192/223	64/138/152	64/138/152
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