

ComfortStar®

Air Conditioning & Heating Products

CFU Series INVERTER

UP TO
18 SEER2



HIGH EFFICIENCY - COOLING DUCTLESS MINI-SPLIT SYSTEMS

Orbitseries™

FEATURES:

- Flash Cooling High Efficiency Tube
- Golden Fin
- Fireproof Electric Control Box
- Refrigerant Leakage Detection
- Energy Saving
- Eco Mode
- Smart Diagnosis
- Super Ionizer
- Smart Diagnosis

GOLD fin

AHRI CERTIFIED™
www.ahridirectory.org

R410a

Comfort... it's in our name



Auto Restart



Sleep Mode



High Quality



Noise Reduction

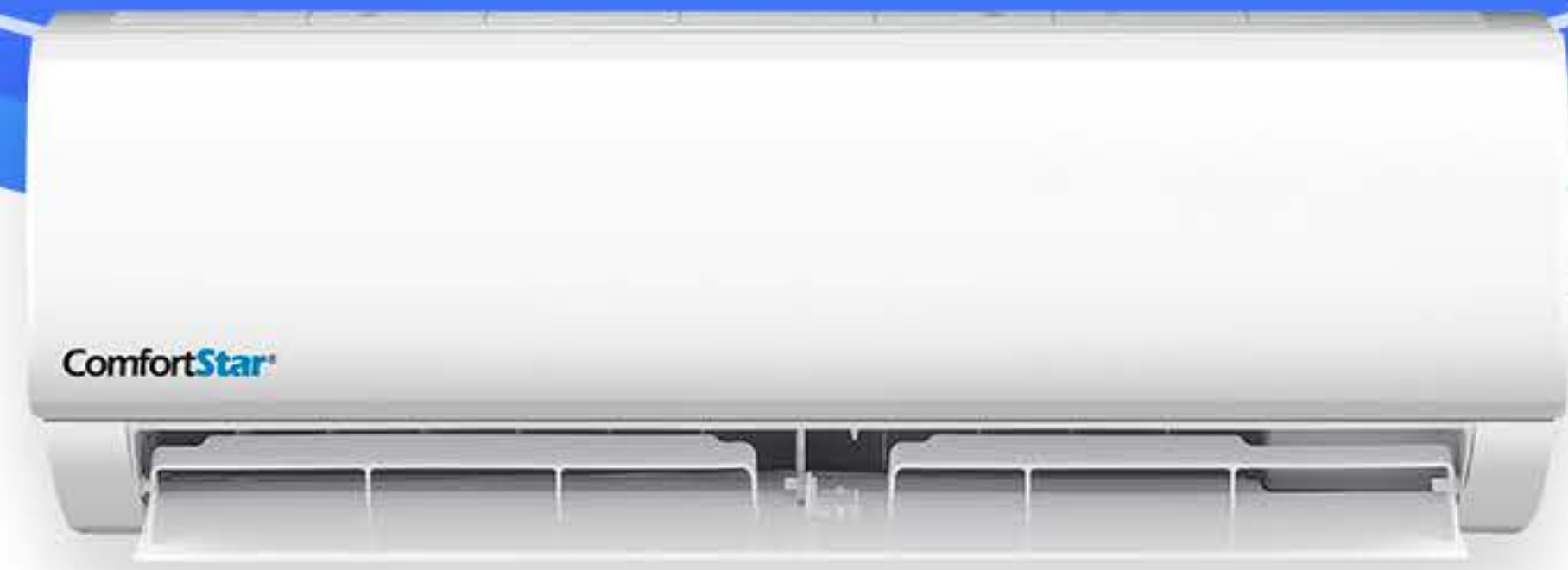
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CFU Series INVERTER

UP TO
18 SEER2



Indoor			CFU12CA(I) CFU12CA(O)	CFU12CD(I) CFU12CD(O)	CFU18CD(I) CFU18CD(O)	CFU24CD(I) CFU24CD(O)
Outdoor						
Power supply	V-Ph-Hz		115V 1Ph, 60HZ	220 230V 1Ph, 60HZ	220 230V 1Ph, 60HZ	220 230V 1Ph, 60HZ
Cooling (Standard conditions)	Capacity	Btu/h	12000	12000	18000	24000
	Range		3800~12500	3900~12500	3500~18000	6400~21720
	Input	W	1320	1490	1650	2100
	Range		160~1700	175~1600	120~2000	335~2050
	Current	A	14.0	6.8	7.2	9.4
	Range		1.8~15.0	1.3~7.3	1.0~8.7	2.1~9.6
	EER	W/W	2.66	2.36	3.02	3.00
	EER2	BTU/W	9.05	8.05	10.30	10.30
AHRI-SEER2	BTU/W	18.0	16.0	18.0	18.0	
Rated Power Input	W	2000	1980	3000	2920	
Rated Current	A	17.0	9.0	13.5	13.5	
Starting current	A	/	/	0	/	
Compressor	Model		KSK103D32UEZ31	KSK103D32UEZ31	KSK103D32UEZ31	KSN140D21UFZ
	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC
	Capacity	W	2020/3245 ±3%	2020/3245 ±3%	2020/3245 ±3%	4385
	Input	W	332/850 ±3%	332/850 ±3%	332/850 ±3%	1140
	Rated current(RLA)	A	2.42/5.70 ±3%	2.42/5.70 ±3%	2.42/5.70 ±3%	7.50
	Refrigerant oil/oil charge	ml	ESTER OILVG74 280 ±10	ESTER OILVG74 280 ±10	ESTER OILVG74 280 ±10	VG74 440
Indoor fan motor	Model		YKFG-15-4-28-1	YKFG-20-4-10L	ZKFP-30-8-297L	YKFG-45-4-109L
	Input	W	46	47.4	/	/
	Capacitor	uF	3	1.5	/	3
	Speed(Hi/Mi/Lo)	r/min	1150/950/750	1150/950/750	1200/1000/800	1200/1000/800
Indoor coil	a.Number of rows		1	1	2	2
	b.Tube pitch(a)x row pitch(b)	mm	18x17.3	18x17.3	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.3	1.2	1.3
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ5,innergroove tube	Φ5,innergroove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	600x72x17.3+600x108x17.3+600x108x17.3	600x72x17.3+600x108x17.3+600x108x17.3	750x189x26.74+750x105x26.74	780x210x26.74+780x105x26.74
	g.Number of circuits		2	2	3	4
Indoor air flow (Hi/Mi/Lo)	m3/h		560/420/310	630/500/370	800/650/480	980/750/610
	CFM		329/247/182	370/294/218	470/382/282	576/441/359
Indoor noise level (Hi/Mi/Lo)	dB(A)		40.0/36/27.5	41.5/36.0/27.5	43/37/30	47/41/34
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285	957x213x302	1040x220x327
		inch	31.7x7.6x11.2	31.7x7.6x11.2	37.7x8.4x11.9	40.9x8.7x12.9
	Packing (W*D*H)	mm	870x285x360	870x285x360	1035x305x380	1120x405x310
		inch	34.25x11.22x14.17	34.25x11.22x14.17	40.7x12.01x14.96	44.2x15.9x12.2
	Net/Gross weight	kg	7.6/10.3	7.1/9.9	9.5/12.2	12.8/17.1
	lbs	16.8/22.71	15.7/21.83	21.0/26.9	28.2/37.7	
Outdoor fan motor	Model		ZKFN-25-10-5L	ZKFN-25-10-5L	ZKFN-25-10-5L	ZKFN-34-10-1L
	Input	W	/	/	/	/
	Capacitor	uF	/	/	/	/
	Speed	r/min	800/600	800/750	810/450	900/700/550
Outdoor coil	a.Number of rows		1	1	1.6	2
	b.Tube pitch(a)x row pitch(b)	mm	19.5x11.6	19.5x11.6	19.5x11.6	19.5x11.6
	c.Fin spacing	mm	1.2	1.2	1.2	1.2
	d.Fin type (code)		Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube
	f.Coil length x height x width	mm	740x468x11.6	740x468x11.6	755x507x11.6+462x507x11.6	875x507x23.2
	g.Number of circuits		2	2	4	4
Outdoor air flow	m3/h		1800	1800	2100	2500
	CFM		1059	1059	1235	1471
Outdoor noise level	dB(A)		53.5	53.5	53	59
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555	805x330x554
		inch	28.3x10.6x19.5	28.3x10.6x19.5	30.1x11.9x21.9	31.7x13.0x21.8
	Packing (W*D*H)	mm	842x357x550	842x357x550	885x375x605	940x410x605
		inch	33.15x14.06x21.65	33.15x14.06x21.65	34.84x14.76x23.82	37.01x16.14x23.82
	Net/Gross weight	kg	21.6/24.2	19.4/23.1	22.7/26.7	28.9/34.2
	lbs	47.7/53.35	42.8/50.93	50.1/58.86	63.8/75.4	
Outdoor air flow	kg		R410A/0.48	R410A/0.46	R410A/0.72	R410A/1.06
Outdoor noise level	MPa		4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	25	25	30	30
		inch	984	984	1181	1181
	Max. difference in level	m	10	10	20	20
inch		394	394	787	787	
Connection wiring			16#x4	16#x4	16#x4	16#x4
Plug type			no-plug	no-plug	no-plug	no-plug
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	°C		17~30	17~30	17~30	17~30
	°F		63~86	63~86	63~86	63~86
Indoor temperature	°C		17~32	17~32	17~32	17~32
	°F		63~90	63~90	63~90	63~90
Outdoor temperature	°C		0~50	0~50	0~50	0~50
	°F		34~122	34~122	34~122	34~122
Application area (Cooling Standard)	m2		16~23	16~23	23~33	29~42
	ft2		173~247	173~247	247~355	312~452
Qty'per 20' /40' /40'HQ			130/270/305	130/270/305	90/190/222	83/169/199

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