

# ComfortStar®

Air Conditioning & Heating Products

## CAC Series INVERTER

UP TO  
**22**

**SEER**



### HIGH EFFICIENCY - COOLING DUCTLESS MINI-SPLIT SYSTEMS

## Orbitseries™

#### FEATURES:

- ECO mode
- Triple-Layer Anti-Rust Protection
- Stainless Steel Bolt
- T-shaped Top Cover Design
- Wide-range Voltage Operation



Sleep  
Mode



High  
Quality



Auto  
Restart



Noise  
Reduction

**GOLD**fin



*Comfort... it's in our name*

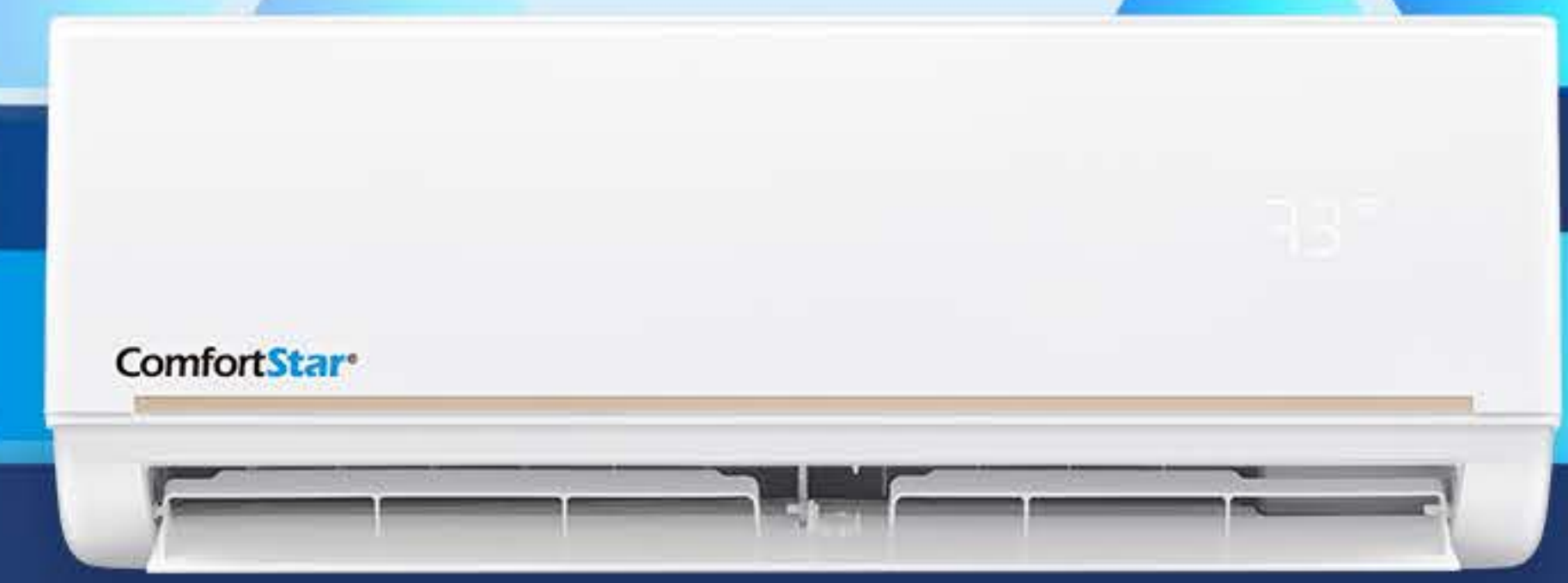
© 12201 N. W. 107th Avenue | Medley, FL 33178

Toll Free: 1-866-524-9898 | Phone: 1-305-500-9898 | Fax: 1-305-500-9896 | Email us: [info@comfortstarusa.com](mailto:info@comfortstarusa.com)

[www.comfortstarusa.com](http://www.comfortstarusa.com)

# CAC Series INVERTER

UP TO  
**22 SEER**



Indoor		CAC12CA(I)		CAC12CD(I)		CAC18CD(I)		CAC24CD(I)		
Outdoor		CAC12CA(O)		CAC12CD(O)		CAC18CD(O)		CAC24CD(O)		
Power supply		V-Ph-Hz		115V, 1Ph, 60HZ		220_230V, 1Ph, 60HZ		220_230V, 1Ph, 60HZ		
Cooling (Standard conditions)	Capacity	Btu/h	12000		12000		18000		24000	
	Range		2050~13480		2050~14010		4100~18800		5300~23900	
	Input	W	1070		1060		1500		2000	
	Range		160~1290		160~1410		150~1600		115~2180	
	Current	A	11.5		4.7		6.7		9.0	
	Range		2.1~13.6		2.1~6.3		0.7~7.1		1.0~9.5	
	EER	W/W	3.29		3.29		3.52		3.22	
AHRI-SEER	BTU/W	22.0		21.0		22.0		20.5		
Rated Power Input	W	1650		2160		3000		3450		
Rated Current	A	17.0		10		14.0		16.0		
Compressor	Model	KSK103D32UEZ31		KSK103D32UEZ31		KSK103D33UEZ3		KSN140D21UFZ		
	Type	ROTARY		ROTARY		ROTARY		ROTARY		
	Capacity	W	2020/3245 ±3%		2020/3245 ±3%		2035/3255		4385	
	Input	W	332/850 ±3%		332/850 ±3%		325/826		1140	
	Rated current(RLA)	A	2.42/5.70 ±3%		2.42/5.70 ±3%		2.40/5.65		7.50	
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 280 ±10		ESTER OIL VG74 280 ±10		ESTER OIL VG74 310		VG74 440	
Indoor fan motor	Model	ZKFP-20-8-113		ZKFP-30-8-357L		ZKFP-30-8-297L		ZKFP-58-8-20L		
	Input	W	35		/		/		/	
	Speed(Hi/Mi/Lo)	r/min	1200/1040/960		1200/1040/960		1250/900/750		1150/1030/970	
Indoor coil	a.Number of rows	2		2		2		2		
	b.Tube pitch(a)x row pitch(b)	mm	19.5x11.6		19.5x11.6		21x13.37		21x13.37	
	c.Fin spacing	mm	1.3		1.3		1.2		1.3	
	d.Fin type (code)	Hydrophilic aluminum		Hydrophilic aluminum		Hydrophilic aluminum		Hydrophilic aluminum		
	e.Tube outside dia.and type	mm	Φ5,Inner groove tube		Φ5,Inner groove tube		Φ7,Inner groove tube		Φ7,Inner groove tube	
	f.Coil length x height x width	mm	607x195x23.2+607x117x23.2		607x195x23.2+607x117x23.2		750x210x26.74+750x126x26.74		820x210x26.74+820x126x26.74	
	g.Number of circuits	4		4		4		4		
Indoor air flow (Hi/Mi/Lo)	m3/h	650/550/500		650/550/500		800/600/520		1000/800/680		
	CFM	382/324/294		382/324/294		471/353/306		588/471/400		
Indoor noise level (Hi/Mi/Lo)	dB(A)	43/38/36		43/38/36		45/40/30		48/41/33		
Indoor unit	Dimension(W*D*H)	mm	802x200x295		802x200x295		971x228x321		1082x234x337	
		inch	31.6x7.9x11.6		31.6x7.9x11.6		38.2x9.0x12.6		42.6x9.2x13.3	
	Packing (W*D*H)	mm	875x285x380		875x285x380		1045x305x405		1155x415x315	
		inch	34.4x11.2x15.0		34.4x11.2x15.0		41.1x12.0x15.9		45.5x16.3x12.4	
	Net/Gross weight	kg	8.2/10.7		8.2/10.7		11.0/14.2		13.3/17.0	
lbs		18.1/23.6		18.1/23.6		24.3/31.3		29.3/37.5		
Outdoor fan motor	Model	ZKFN-25-10-5L		ZKFN-25-10-5L		ZKFN-25-10-5L		ZKFN-34-10-1L-1		
	Speed	r/min	800/600		850/600		810/450		900/700/550	
Outdoor coil	a.Number of rows	1		1		1.6		1.6		
	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		875*507*11.6+510*507*11.6	
	g.Number of circuits	2		2		4		2		
Outdoor air flow	m3/h	1800		1800		2100		2500		
	CFM	1059		1059		1235		1471		
Outdoor noise level	dB(A)	54		54		54		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	835x300x540		835x300x540		887x337x610		915x370x615	
		inch	32.9x11.8x21.3		32.9x11.8x21.3		34.9x13.3x24.0		36.0x14.6x24.2	
	Net/Gross weight	kg	20.5/22.4		19.3/21.2		23.5/26.0		27.7/30.4	
lbs		45.2/49.4		42.6/46.6		51.9/57.4		61.1/67.1		
Refrigerant type	kg	R32/0.50		R32/0.50		R32/0.62		R32/0.75		
Design pressure	oz	17.7		17.7		21.9		26.5		
Refrigerant piping	Liquid side/ Gas side	MPa	4.3/1.7		4.3/1.7		4.3/1.7		4.3/1.7	
		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	℃	17~30		17~30		17~30		17~30		
	°F	63~86		63~86		63~86		63~86		
Indoor temperature	℃	16~32		16~32		16~32		16~32		
	°F	63~90		63~90		63~90		63~90		
Outdoor temperature	℃	0~50		0~50		0~50		0~50		
	°F	34~122		34~122		34~122		34~122		
Application area (Cooling Standard)	m2	15~22		15~22		24~35		29~43		
	ft2	161.4~236.7		161.4~236.7		258.2~376.6		312.0/462.7		
Qty'per 20' /40' /40'HQ	130/276/302		130/276/302		88/186/220		78/168/194			

**ComfortStar®**  
Air Conditioning & Heating Products

**GOLDfin** AHRI CERTIFIED™  
Comfort... it's in our name

© 12201 N. W. 107th Avenue | Medley, FL 33178

www.comfortstarusa.com

Toll Free: 1-866-524-9898 | Phone: 1-305-500-9898 | Fax: 1-305-500-9896 | Email us: info@comfortstarusa.com