

# ComfortStar®

Air Conditioning & Heating Products

## CT32 Series

### INVERTER

### ComfortStarX<sub>32</sub>

UP TO  
**20 SEER**



## HIGH EFFICIENCY - COOLING DUCTLESS MINI-SPLIT SYSTEMS



#### FEATURES:

- Golden Fin Indoor and Outdoor
- R32 Type
- ECO Mode
- Self-cleaning Evaporator
- Mute Function
- High Density Filter
- 3m Copper Pipe and 3.5m Connection Wire
- Remote Control



Sleep  
Mode



High  
Quality



Auto  
Restart



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

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# CT32 Series INVERTER ComfortStar<sup>X32</sup>



Indoor unit		CT32-12CA (I)	CT32-12CD (I)	CT32-18CD (I)	CT32-24CD (I)
Outdoor unit		CT32-12CA (O)	CT32-12CD (O)	CT32-18CD (O)	CT32-24CD (O)
Power supply		V-Ph-Hz	115V_1Ph,FREQUENCY_60HZ	220_230V_1Ph,FREQUENCY_60HZ	220_230V_1Ph,FREQUENCY_60HZ
Cooling (Standard conditions)	Capacity	Btu/h	12000	12000	17000
	Range	Btu/h	3000~13000	3000~13000	4700~19210
	Input	W	1270	1150	1560
	Range	W	120~1300	110~1350	120~1650
	Current	A	13.0	5.50	6.78
	Range	A	1.8~15.5	1.2~8.7	0.5~7.2
	SEER	Btu/hr/W	17	17	19
	SEER2	Btu/hr/W	17	17	19
EER	Btu/hr/W	9.45	10.45	10.9	
EER2	Btu/hr/W	9.45	10.45	10.9	
Rated Power Input		W	1800	2000	2950
Rated Current		A	17.0	13.0	13.5
Starting current		A	0	0	/
Compressor	Model		KSK103D32UEZ31	KSK103D32UEZ31	KSK103D33UEZ3
	Type		ROTARY	ROTARY	ROTARY
	Capacity	W	/	2020/3245 ±3%	2035/3255
	Input	W	/	332/850 ±3%	325/826
	Rated current (RLA)	A	/	2.42/5.70 ±3%	2.40/5.65
	Refrigerant oil/oil charge	ml	/	ESTER OIL VG74 280 ±10	ESTER OIL VG74 310
Indoor fan motor	Model		YKFG-15-4-28-1	YKFG-20-4-10L	YKFG-28-4-6-5
	Input	W	46	47.4	58.5
	Capacitor	uF	3	3	1.5
	Speed (Hi/Mi/Lo)	r/min	1180/950/750	1180/950/750	1200/1000/800
Indoor coil	a. Number of rows		2	2	2
	b. Tube pitch (a)x row pitch (b)	mm	19.5x11.6	19.5x11.6	21x13.37
	c. Fin spacing	mm	1.2	1.2	1.2
	d. Fin type (code)		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
	f. Coil length x height x width	mm	595x78x23.2+595x117x23.2+595x78x23.2	595x78x23.2+595x117x23.2+595x78x23.2	750x189x26.74+750x105x26.74
	g. Number of circuits		4	4	3
Indoor air flow (Hi/Mi/Lo)		m <sup>3</sup> /h	593/455/337	593/455/337	818/639/515
		CFM	349/268/198	349/268/198	481.2/375.9/302.9
Indoor noise level (Hi/Mi/Lo)		dB(A)	41.0/35.0/26.5	41.0/34.5/29.0	43.5/37.5/29.5
Indoor unit	Dimension (W*D*H)	mm	805x194x285	805x194x285	957x213x302
		inches	31.7x7.6x11.2	31.7x7.6x11.2	37.7x8.4x11.9
	Packing (W*D*H)	mm	870x285x360	870x285x360	1035x305x380
		inches	34.25x11.22x14.17	34.25x11.22x14.17	40.75x12.00x14.96
	Net/Gross weight	kg	7.7/10.9	7.7/10.8	10.4/13.3
	lbs	16.98/24.03	16.98/23.81	22.93/29.32	
Outdoor fan motor	Model		ZKFN-25-10-5L	ZKFN-25-10-5L	ZKFN-25-10-5L
	Speed	r/min	850/600	850/600	810/450
Outdoor coil	a. Number of rows		0.8	0.8	1.6
	b. Tube pitch (a)x row pitch (b)	mm	19.5x11.6	19.5x11.6	19.5x11.6
	c. Fin spacing	mm	1.2	1.2	1.2
	d. Fin type (code)		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
	f. Coil length x height x width	mm	565x468x11.6	565x468x11.6	755x507x11.6+462x507x11.6
	g. Number of circuits		2	2	4
Outdoor air flow		m <sup>3</sup> /h	1800	1800	2100
		CFM	1060	1060	1235
Outdoor noise level		dB(A)	54.0	55.0	55
Outdoor unit	Dimension (W*D*H)	mm	720x270x495	720x270x495	765x303x555
		inches	28.35x10.63x19.49	28.35x10.63x19.49	30.11x11.93x21.85
	Packing (W*D*H)	mm	842x357x550	842x357x550	885x375x605
		inches	33.15x14.06x21.65	33.15x14.06x21.65	34.84x14.76x23.82
	Net/Gross weight	kg	20.5/25.6	19.0/23.8	24.1/27.8
	lbs	45.20/56.44	41.89/52.47	53.13/61.29	
Refrigerant type		kg	R32/0.4	R32/0.4	R32/0.62
		oz	14.12	14.12	21.9
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/12.7mm(1/2in)
	Max. refrigerant pipe length	m	25	25	30
		inches	984.3	984.3	984.3
	Max. difference in level	m	10	10	20
inches		393.7	393.7	393.7	
Connection wiring			16#x4	16#x4	16#x4
Plug type			no-plug	no-plug	no-plug
Thermostat type			Remote Control	Remote Control	Remote Control
Operation temperature	°C		17~30	17~30	17~30
	°F		63~86	63~86	63~86
Indoor temperature	°C		17~32	17~32	17~32
	°F		63~90	63~90	63~90
Outdoor temperature	°C		0~50	0~50	0~50
	°F		34~122	34~122	34~122
Application area (Cooling Standard)		m <sup>2</sup>	16~23	16~23	23~33
		ft <sup>2</sup>	172.2~247.5	172.2~247.5	247.5~355.1
Qty' per 20' /40' /40'HQ			132/268/297	132/268/297	90/190/222

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