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UP TO
18.3

SEER2



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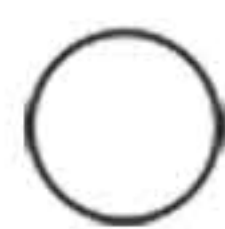
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CIP-HTJ Series
INVERTER

UP TO
18.3 SEER2



Indoor			CIP09CA-HTJ(I)	CIP12CA-HTJ(I)	CIP09CD-HTJ(I)	CIP12CD-HTJ(I)	CIP18CD-HTJ(I)	CIP24CD-HTJ(I)
Outdoor			CIP09CA-HTJ(O)	CIP12CA-HTJ(O)	CIP09CD-HTJ(O)	CIP12CD-HTJ(O)	CIP18CD-HTJ(O)	CIP24CD-HTJ(O)
Power supply			V-Ph-Hz	115V_1Ph, 60HZ	115V_1Ph, 60HZ	208/230V_60Hz, 1Ph	208/230V_60Hz, 1Ph	208/230V_60Hz, 1Ph
Cooling (Standard conditions)	Capacity (range)	Btu/hr	9000(2700~10400)	12000(3610~12200)	12000(3610~12500)	12000(3610~12500)	17000(6900~19600)	24000(6400~24300)
	Input	W	890(360~1145)	1368(305~1376)	1365(306~1510)	1365(306~1510)	1720(190~1570)	2695(335~2940)
	Current	A	12.5	13.5	7.0	7.0	10.0	15.5
	EER	Btu/hr/W	10.1	8.8	8.8	8.8	9.9	8.9
	SEER	Btu/hr/W	16.5	17.4	16.8	16.8	16.8	16.5
	SEER2	Btu/hr/W	17.0	16.5	17.6	17.6	18.3	16.7
Heating (Standard conditions)	Capacity (range)	Btu/hr	9800(4800~12000)	12000(3680~12800)	12000(3810~13000)	12000(3810~13000)	18000(4480~18800)	24000(6700~27500)
	Input	W	1025(420~1210)	1245(0320~1190)	1212(310~1268)	1212(310~1268)	1720(320~1670)	2490(485~3020)
	Current	A	8.9(3.65~12.9)	10.54(2.75~12.8)	5.27(1.34~5.6)	5.27(1.34~5.6)	7.5(2.28~7.3)	11.3(3.3~13.2)
	COP	W/W	2.80	2.82	3.42	2.90	3.07	2.82
	HSPF4	Btu/hr/W	9	8.7	8.8	8.8	8.7	8.0
	HSPF5	Btu/hr/W	7	6.8	6.7	7	6.7	6.2
Cooling at 5 F (-15℃)	Rated capacity	Btu/hr	9000	12000	12000	12000	17300	27800
Cooling at 109 F (43℃)	Rated capacity	Btu/hr	/	7400	9600	9600	/	/
Cooling(B2)	Rated capacity	Btu/hr	10000	12800	10700	13000	19600	25400
	EER	Btu/hr/W	13.1	10.4	13	10.2	12.4	10.4
Heating at 17F(-8.33℃)	Rated capacity	Btu/hr	8300	8400	8300	8300	10200	17700
	COP	W/W	2.18	2.39	2.66	2.66	2.15	2.02
Heating(H32)17F(-8.33℃)	Rated capacity	Btu/hr	7200	7600	6400	8300	10500	16000
	COP	W/W	2.30	2.5	2.8	2.5	2.47	2.17
Heating(H42) 5F(-15℃)	Rated capacity	Btu/hr	6400	6500	7100	7100	/	/
	COP	W/W	1.88	2.04	2.10	2.10	/	/
	capability ratio	%	65.31	55.83	71.00	59.17	47.78	61.67
Heating at 5F(-15℃)(CVP)	Rated capacity	Btu/hr	6499*0.97=6304	6398*0.97=6206	7151*0.97=6936	7151*0.97=6936	/	/
	COP	W/W	1.94*0.98=1.90	2.01*0.97=1.95	2.10*0.97=2.04	2.10*0.97=2.04	/	/
Moisture removal		L/h	0.98	1.55	1.59	1.43	2.04	3.26
MINIMUM CIRCUIT AMPACITY(Indoor)		A	3.0	3.0	3.0	3.0	3.0	3.0
MAX.FUSE(Indoor)		A	15	15	15	15	15	15
MINIMUM CIRCUIT AMPACITY(Outdoor)		A	16	17	9	9	15	19
MAX.FUSE(Outdoor)		A	25	25	15	15	20	30
Compressor	Model		KSK103D33UEZ3	KSK103D33UEZ3	KSK103D33UEZ3	KSK103D33UEZ3	KSN140D21UFZ	KTM240D57UMT
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	Twin-ROTARY
	Capacity	W	2035/3255	2035/3255	2035/3255	2035/3255	4385	7740
	Input	W	325/826	325/826	325/826	325/826	1140	2085
	Rated current(RLA)	A	11.67	12.53	6.47	6.47	7.5	14.25
	Refrigerant oil/oil charge	ml	ESTER OILVG74 310	ESTER OILVG74 310	ESTER OILVG74 310	ESTER OILVG74 310	VG74 440	ESTER OILVG74 670
Indoor fan motor	Model		YKFG-15-4-28-1	YKFG-15-4-28-1	YKFG-20-4-10L	YKFG-20-4-10L	YKFG-28-4-6-5	YKFG-45-4-13
	Input	W	46	46	47.4	47.4	58.5	89
	RLA	A	0.37	0.39	0.34	0.34	0.66	0.45
	Capacitor	uF	3	3	1.5	1.5	1.5	3
	Speed(Hi/Mi/Lo)	r/min	1180/950/750	1180/950/750	1180/950/750	1180/950/750	1200/1000/800	1200/1000/800
Indoor air flow (Turbo/Hi/Mi/Lo)		m3/h	500/450/360/270	600/540/410/300	600/540/410/300	600/540/410/300	0/788/628/468	1000/960/760/580
		CFM	294.12/264.71/211.76/158.82	352.94/317.65/241.18/176.47	352.94/317.65/241.18/176.47	352.94/317.65/241.18/176.47	//463.53/369.41/275.29	588.24/564.71/447.06/341.18
Indoor noise level (Hi/Mi/Lo)		dB(A)	39.5/33.5/26	41/34.5/27.5	41.5/34.5/25.5	41.5/34.5/25.5	44/38/30	46/40/33.5
Indoor unit	Dimension(W*D*H)	mm	715x194x285	805x194x285	805x194x285	805x194x285	957x213x302	1040x220x327
	Dimension(W*D*H)	inch	28.15x7.64x11.22	31.69x7.64x11.22	31.69x7.64x11.22	31.69x7.64x11.22	37.68x8.39x11.89	40.94x8.66x12.87
	Packing (W*D*H)	mm	780x285x360	870x285x360	870x285x360	870x285x360	1035x305x380	1120x405x310
	Packing (W*D*H)	inch	30.71x11.22x14.17	34.25x11.22x14.17	34.25x11.22x14.17	34.25x11.22x14.17	40.75x12.01x14.96	44.09x15.94x12.20
	Net/Gross weight	kg	7.2/10.0	7.8/10.6	7.8/10.5	7.8/10.5	10.4/12.5	13.1/16.9
	Net/Gross weight	lb	15.87/22.05	17.20/23.37	17.20/23.15	17.20/23.15	22.93/27.56	28.88/37.26
Outdoor fan motor	Model		ZKFN-20-8-1	ZKFN-20-8-1	ZKFN-20-8-1	ZKFN-20-8-1	ZKFN-34-10-1	ZKFN-80-8-3
	RLA	A	0.71	0.7	0.47	0.47	0.82	0.76
	Speed	r/min	850/500	850/500	850/500	850/500	1200/700	810/720
Outdoor air flow		m3/h	1800	1800	1800	1800	2100	3000
Outdoor air flow		CFM	1058.82	1058.82	1058.82	1058.82	1235.29	1764.71
Outdoor noise level		dB(A)	54.5	55	54.5	54.5	57	59.5
Throttle type		/	Capillary	Capillary	Capillary	Capillary	Capillary	Capillary
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	720x270x495	720x270x495	765x303x555	890x342x673
	Dimension(W*D*H)	inch	28.35x10.63x19.49	28.35x10.63x19.49	28.35x10.63x19.49	28.35x10.63x19.49	30.12x11.93x21.85	35.04x13.46x26.50
	Packing (W*D*H)	mm	842x357x550	842x357x550	842x357x550	842x357x550	885x375x605	1030x438x750
	Packing (W*D*H)	inch	33.15x14.06x21.65	33.15x14.06x21.65	33.15x14.06x21.65	33.15x14.06x21.65	34.84x14.76x23.82	40.55x17.24x29.53
	Net/Gross weight	kg	24.8/27.7	25/27.9	24/26.7	24/26.7	29.1/32.6	44.4/49.9
	Net/Gross weight	lb	54.67/61.07	55.11/61.51	52.91/58.86	52.91/58.86	64.15/71.87	97.88/110.01
Refrigerant type			R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge		kg	0.58	0.73	0.73	0.73	1.36	1.78
		oz	20.46	25.75	25.75	25.75	47.97	62.8
Additional charge per metre		g/m	15	15	15	15	15	30
Additional charge for each ft		oz/ft	0.16	0.16	0.16	0.16	0.16	0.32
Design pressure		PSIG	550/340	550/340	550/340	550/340	550/340	550/340
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)/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	25	25	30	50
	Max. refrigerant pipe length	ft	82.02	82.02	82.02	82.02	98.42	164.04
	Max. difference in level	m	10	10	10	10	20	25
	Max. difference in level	ft	32.81	32.81	32.81	32.81	65.62	82.02
Connection wiring			14#x4//	14#x4//	16#x4//	14#x4//	14#x4//	14#x4//
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Room temperature	Indoor(cooling)	℃	17~32	17~32	17~32	17~32	17~32	17~32
		℉	63~90	63~90	63~90	63~90	63~90	63~90
	Indoor(heating)	℃	0~30	0~30	0~30	0~30	0~30	0~30
		℉	34~86	34~86	34~86	34~86	34~86	34~86
	Outdoor(cooling)	℃	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
		℉	5~122	5~122	5~122	5~122	5~122	5~122
	Outdoor(heating)	℃	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30
		℉	5~86	5~86	5~86	5~86	5~86	5~86
Qty/per 20' /40' /40'HQ			138/284/312	132/274/305	132/274/305	132/274/305	90/190/222	66/137/156

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