

CPA-09B/CZP09CD(O)

9,000 BTU/H(208/230V) Wall Mounted Heat Pump System

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

Set Model

Indoor unit model CPA-09B
 Outdoor unit model CZP09CD(O)

Certified



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity	(A)	13.0
Max.fuse	(A)	15.0
Connection wiring		14AWG*4 Stranded, unshielded
Cooling		
Rated Capacity	(Btu/h)	9000
Capacity Range	(Btu/h)	2220~11600
Power Input (Max)	(W)	667
Rated current	(A)	3.05
SEER2	(Btu/W)	19.2
EER2	(Btu/W)	12.5
Heating at 47F		
Rated Capacity	(Btu/h)	10000
Capacity Range	(Btu/h)	2240~13350
Power Input (Max)	(W)	780
Rated current	(A)	3.57
HSPF2-4	(Btu/W)	10.2
HSPF2-5	(Btu/W)	8.0
COP	W/W	3.76
Heating at 17F		
Max Capacity	(Btu/h)	10038

REFRIGERANT PIPE DATA

Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/38.1
Refrigerant precharge	(ft)	25.0
	(m)	7.6
Additional charge for each ft	(oz/ft)	0.16
	(g/ft)	15
Liquid side/ Gas side	(inch)	1/4" / 3/8"
	(mm)	6.35/9.52
Max. pipe length	(ft)	82.0
	(m)	25.0
Max. difference in level	(ft)	32.8
	(m)	10.0
Connection method		(Flared)
Indoor(cooling/ heating)	(Deg. °F)	63~90 / 32~86
	(Deg. °C)	17~32 / 0~30
Outdoor(cooling/heating)	(Deg. °F)	-13~122 / -13~75
	(Deg. °C)	-25~50 / -25~24
Application area	(sq.ft)	129.17~193.75
	(m2)	12~18

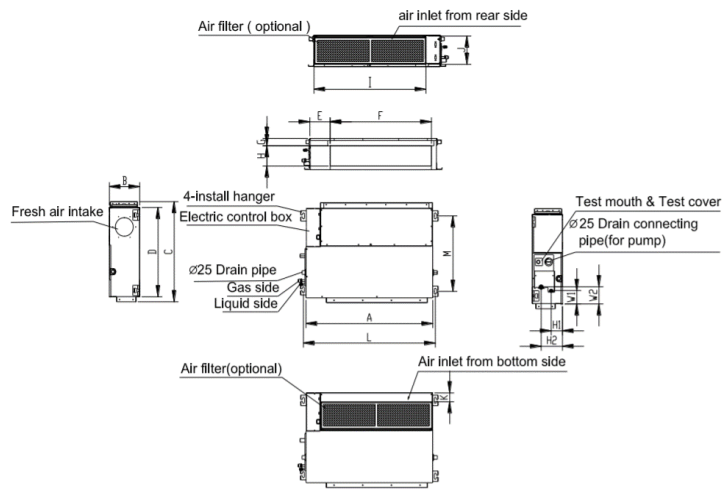
INDOOR UNIT DATA

Indoor fan motor		
Type		Cross-Flow
Model		ZKFN-55-8-22-1
Qty		1
Input	(W)	130.0
RLA	(A)	--
LRA	(A)	--
Winding Resistance	(Ω)	--
Capacitor	(uF)	--
Speed(Hi/Mi/Lo)	(r/min)	1170/1030/850
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	352.94/282.35/176.47
Indoor noise level (Hi/Med/Lo)	[dB(A)]	33.5/28.5/27
Dehumidification	(Pint/H)	--
Indoor unit		
Dimension (WxDxH)	(inch)	27.56x19.92x7.87
	(mm)	700x506x200
Packing(WxDxH)	(inch)	33.86x21.26x11.22
	(mm)	37.5/48.3
Net/Gross weight	(lbs.)	37.5/48.3
	(kg)	17.7/21.9

OUTDOOR UNIT DATA

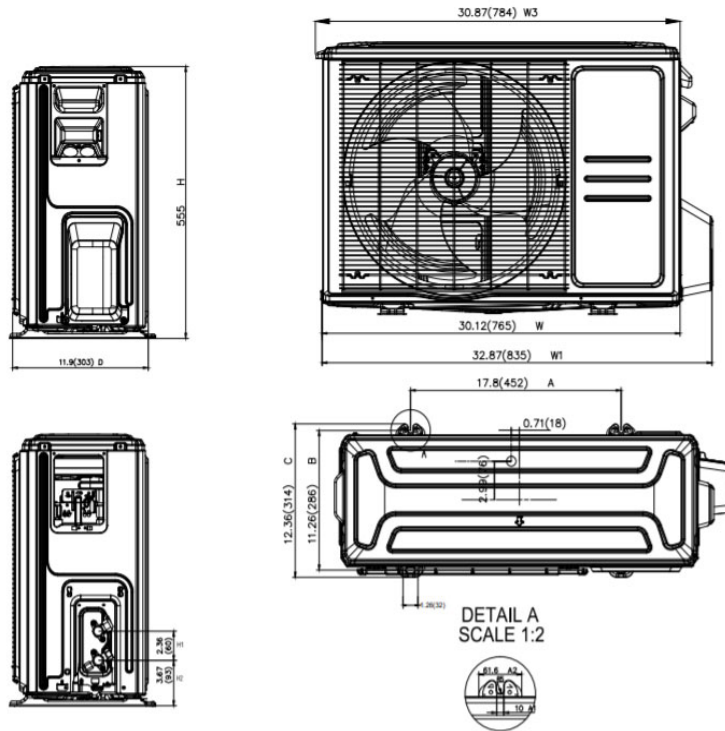
Compressor		
Type		KSK103D33UEZ3
Model		ROTARY
Brand		GMCC
Capacity	(Btu/h)	6944 / 11107
Input	(W)	325 / 826
Rated current (RLA)	(A)	--
Refrigerant oil/oil charge	(ml)	--
Throttle		Capillary +EXV
Outdoor fan motor		
Model		ZKFN-34-10-1
Qty		1
Input	(W)	--
RLA	(A)	--
Speed	(r/min)	800/600
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	1294.10
Outdoor noise level	[dB(A)]	53
Outdoor unit		
Dimension (WxDxH)	(inch)	30.12x11.93x21.85
	(mm)	765x303x555
Packing (WxDxH)	(inch)	34.92x13.27x24.02
	(mm)	887x337x610
Net/ Gross weight	(lbs.)	63.71/69.00
	(kg)	28.9/31.3

Indoor unit dimension



Model (KBTu/h)	unit	A	B	C	D	E	F	G	H	I	J	K	L	M	H1	H2	W1	W2
		9/12	mm	700	200	506	450	137	537	30	152	599	186	50	741	360	84	140
	inch	27.6	7.9	19.9	17.7	5.4	21.1	1.2	6.0	23.6	7.3	2.0	29.2	14.2	3.3	5.5	3.3	3.3
18	mm	880	210	674	600	140	706	50	136	782	190	40	920	508	78	148	88	112
	inch	34.6	8.3	26.5	23.6	5.5	27.8	2.0	5.4	30.8	7.5	1.6	36.2	20.0	3.1	5.8	3.5	4.4
24	mm	1100	249	774	700	140	926	50	175	1001	228	5	1140	598	80	150	130	155
	inch	43.3	9.8	30.5	27.6	5.5	36.5	2.0	6.9	39.4	9.0	0.2	44.9	23.5	3.1	5.9	5.1	6.1
36	mm	1360	249	774	700	140	1186	50	175	1261	228	5	1400	598	80	150	130	155
	inch	53.5	9.8	30.5	27.6	5.5	46.7	2.0	6.9	49.6	9.0	0.2	55.1	23.5	3.1	5.9	5.1	6.1
48	mm	1200	300	874	800	123	1044	50	227	1101	280	5	1240	697	80	150	185	210
	inch	47.2	11.8	34.4	31.5	4.8	41.1	2.0	8.9	43.3	11.0	0.2	48.8	27.4	3.1	5.9	7.3	8.3

Outdoor unit dimension



General Features

Wired controller
Weekly-time wired controller(optional)
Central controller
Long distance Alarm and ON/OFF controller
Build-in pump
Emergency using

Extended Performance Data