

CH-M09DTUI/CH-HPR06F9-230VO 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 CH-M09DTUI
 Outdoor unit model CH-HPR06F9-230VO

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)		15.0
Max.fuse (A)		15.0
Cooling		
Rated Capacity (Btu/h)		9000
Capacity Range (Btu/h)		2400-12500
Power input (Max) (W)		643
Rated current (A)		2.94
SEER (Btu/W)		23
EER (Btu/W)		14
Heating at 47F		
Rated Capacity (Btu/h)		10000
Capacity Range (Btu/h)		1700-15600
Power input (Max) (W)		810
Rated current (A)		3.71
HSPF4 (Btu/W)		12
HSPF5 (Btu/W)		10
COP		3.62
Heating at 17F		
Max Capacity (Btu/h)		11600

REFRIGERANT PIPE DATA

Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/41.62
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)		-22~122 / -22~86
	(Deg. °C)	-30~50 / -30 ~ 30
Application area (sq.ft)		129.17~193.75
	(m2)	12~18

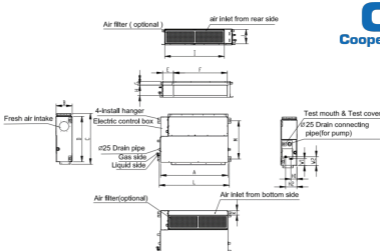
INDOOR UNIT DATA

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) (l) (CFM)		352.94/282.35/176.47
Indoor noise level (Hi/Med/Lo) [dB(A)]		33/30.5/27
Dehumidification (Pint/H)		
		-
Indoor unit		
Dimension (WxDxH) (inch)		27.56x19.92x7.87
	(mm)	700/506/200
Packing(WxDxH) (inch)		33.86x21.26x11.22
	(mm)	860/540/285
Net/Gross weight (lbs.)		39.02/48.28
	(kg)	17.72/19

OUTDOOR UNIT DATA

Compressor		
Type		KTN110D42UFZ
Model		DUAL ROTARY
Brand		GMCC
Capacity (Btu/h)		11822.58
Input (W)		885
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)		850/680/450
Air flow & Noise level		
Outdoor air flow (Max.) (CFM)		1323.50
Outdoor noise level [dB(A)]		54.5
Outdoor unit		
Dimension (WxDxH) (inch)		31.69x12.99x21.81
	(mm)	805x330x554
Packing (WxDxH) (inch)		36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight (lbs.)		74.07/80.25
	(kg)	33.6/36.4

Indoor unit dimension



Model (K(R)u/h)	unit	A	B	C	D	E	F	G	H	I	J	K	L	M	H1	H2	W1	W2
912	mm	700	200	506	450	137	537	30	152	599	196	50	741	360	84	140	84	84
	inch	27.6	7.9	19.9	17.7	5.4	21.1	1.2	6.0	23.6	7.7	2.0	29.2	14.2	3.3	5.5	3.3	3.3
18	mm	880	210	674	600	140	706	50	136	762	190	40	920	506	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	240	774	700	140	820	50	175	1001	228	5	1140	598	80	150	130	158
	inch	43.3	9.8	30.5	27.6	5.5	32.5	2.0	6.9	39.4	9.0	0.2	44.9	23.5	3.1	5.9	5.1	6.1
36	mm	1380	240	774	700	140	1186	50	175	1261	228	5	1400	598	80	150	130	158
	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	1290	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

