

SUBMITTAL DATA SHEET



CH-24MASTWM-230V1 / CH-HPR24-230VO	24,000 BTU/H(208/230V)	Wall Mounted Heat Pump System
Location: _____	Approval: _____	Date: _____
Engineer: _____	Construction: _____	Unit #: _____
Submitted to: _____	Drawing #: _____	
Submitted by: _____		
Reference: _____		

Set Model
 Indoor unit model: CH-24MASTWM-230V1
 Outdoor unit model: CH-HPR24-230VO

Certified

AHRI

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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)	25.0
Max.fuse	(A)	35.0
Cooling		
Rated Capacity	(Btu/h)	24000
Capacity Range	(Btu/h)	6850-27000
Power Input (Max)	(W)	1845
Rated current	(A)	8.1
SEER	(Btu/W)	21.5
EER	(Btu/W)	13
Heating at 47F		
Rated Capacity	(Btu/h)	29000
Capacity Range	(Btu/h)	11900-31000
Power Input (Max)	(W)	2500
Rated current	(A)	10.9
HSPF4	(Btu/W)	12
HSPF5	(Btu/W)	10
COP	W/W	3.40
Heating at 17F		
Max Capacity	(Btu/h)	19800

INDOOR UNIT DATA		
Indoor fan motor		
Type		Cross-Flow
Model		ZKFP-58-8-1-6
Qty		1
Input	(W)	58.0
RLA	(A)	0.5
LRA	(A)	—
Winding Resistance	(Ω)	—
Capacitor	(uF)	—
Speed(Hi/Mi/Lo)	(r/min)	1000/850/700
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (†)	(CFM)	611.18/414.12/318.82
Indoor noise level (Hi/Med/Lo)	[dB(A)]	46/39/34
Dehumidification		
	(Pint/H)	—
Indoor unit		
Dimension (WxDxH)	(inch)	47.09x10.98x14.57
	(mm)	1196x279x370
Packing(WxDxH)	(inch)	50.39x14.17x17.91
	(mm)	1280x360x455
Net/Gross weight	(lbs.)	43.65/54.89
	(kg)	19.8/24.9

REFRIGERANT PIPE DATA		
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/91.7
Refrigerant precharge	(ft)	25.0
	(m)	7.6
Additional charge for each ft	(oz/ft)	0.32
	(g/ft)	30
Liquid side/ Gas side	(inch)	3/8" / 5/8"
	(mm)	9.52/15.9
Max. pipe length	(ft)	164.0
	(m)	50.0
Max. difference in level	(ft)	82.0
	(m)	25.0
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 / -22-75
	(Deg. °C)	-30~50 / -30 - 24
Application area	(sq.ft)	344.44~505.90
	(m2)	32~47

OUTDOOR UNIT DATA		
Compressor		
Type		KTM240D43UKT
Model		DUAL ROTARY
Brand		GMCC
Capacity	(Btu/h)	25932.27641
Input	(W)	2045
Rated current (RLA)	(A)	-
Refrigerant oil/oil charge	(ml)	-
Throttle		Capillary +EXV
Outdoor fan motor		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	—
RLA	(A)	—
Speed	(r/min)	1150/1050/900/850
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	2235.30
Outdoor noise level	[dB(A)]	62
Outdoor unit		
Dimension (W×D×H)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (W×D×H)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	134.48/144.40
	(kg)	61/65.5

