

CH-24MASTWM-230VI / CH-ES24-230VO	24,000 BTU/H(208/230V)	Wall Mounted Heat Pump System
Location: _____	Approval: _____	
Engineer: _____	Date: _____	
Submitted to: _____	Construction: _____	
Submitted by: _____	Unit #: _____	
Reference: _____	Drawing #: _____	

CH-24MASTWM-230VI
CH-ES24-230VO

Set Model
Indoor unit model CH-24MASTWM-230VI
Outdoor unit model CH-ES24-230VO

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)		22.0
Max.fuse (A)		30.0
Cooling		
Rated Capacity (Btu/h)		24000
Capacity Range (Btu/h)		9200-26800
Power Input (Max) (W)		1714
Rated current (A)		8
SEER (Btu/W)		22
EER (Btu/W)		14
Heating at 47F		
Rated Capacity (Btu/h)		25000
Capacity Range (Btu/h)		10350-27000
Power Input (Max) (W)		1953
Rated current (A)		8.7
HSPF4 (Btu/W)		12
HSPF5 (Btu/W)		10
COP	W/W	3.75
Heating at 17F		
Max Capacity (Btu/h)		16500

REFRIGERANT PIPE DATA

Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/82.89
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)		60~90 / 32~86
(Deg. °C)		16~32 / 0~30
Outdoor(cooling/heating) (Deg. °F)		-13~122 / -13~75
(Deg. °C)		-25~50 / -25~24
Application area (sq.ft)		344.44~505.90
(m2)		32~47

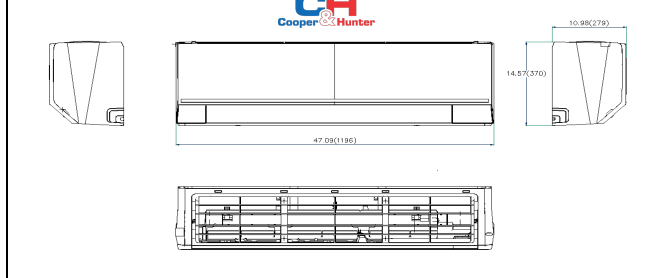
INDOOR UNIT DATA

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 (μF)			—
Speed(Hi/Mi/Lo) (r/min)			1000/850/700
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (N) (CFM)			611.18/414.12/318.82
Indoor noise level (Hi/Med/Lo) [dB(A)]			44/39.5/34
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

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)			900/810/450/360
Air flow & Noise level			
Outdoor air flow (Max.) (CFM)			2235.30
Outdoor noise level [dB(A)]			60
Outdoor unit			
Dimension (WxDxH) (inch)			37.24x16.14x31.89
	(mm)		946x410x810
Packing (WxDxH) (inch)			42.91x19.69x34.84
	(mm)		1090x500x885
Net/ Gross weight (lbs.)			124.78/134.92
	(kg)		56.6/61.2

Indoor unit dimension



Outdoor unit dimension

