

SUBMITTAL DATA SHEET



CH-12MASTWM-230V1 / CH-HPR12-230V0 12,000 BTU/(W208/230V) Wall Mounted Heat Pump System

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

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

Set Model
 Indoor unit model CH-12MASTWM-230V1
 Outdoor unit model CH-HPR12-230V0

Certified
 AHRI
 UL



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)		12000
Capacity Range (Btu/h)		3300~14300
Power Input (Max) (W)		857
Rated current (A)		3.72
SEER (Btu/W)		25.5
EER (Btu/W)		14
Heating at 47F		
Rated Capacity (Btu/h)		12000
Capacity Range (Btu/h)		5000~15300
Power Input (Max) (W)		907
Rated current (A)		4.1
HSPF4 (Btu/W)		13
HSPF5 (Btu/W)		10.5
COP		3.88
Heating at 17F		
Max Capacity (Btu/h)		12000

REFRIGERANT PIPE DATA

Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/41.62
Refrigerant precharge (lb)		25.0
	(m)	7.6
Additional charge for each ft (oz/ft)		0.16
	(g/ft)	15
Liquid side/ Gas side (inch)		1/4" / 1/2"
	(mm)	6.35/12.7
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)		60~90 / 32~81
	(Deg. C)	16~32 / 0~27
Outdoor(cooling/heating) (Deg. F)		-22~122 / -22~75
	(Deg. C)	-30~50 / -30~24
Application area (sq ft)		172.22~247.57
	(m2)	16~23

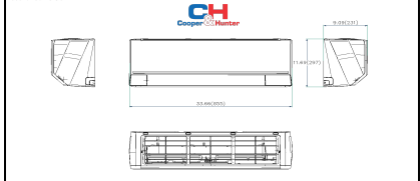
INDOOR UNIT DATA

Indoor fan motor		
Type		Cross-Flow
Model		ZKFP-20-8-6-21
Qty		1
Input (W)		50.0
RLA (A)		0.25
LRA (A)		—
Winding Resistance (Ω)		—
Capacitor (μF)		—
Speed(Hi/Mi/Lo) (r/min)		1050/930/670
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (ft ³) (CFM)		335/229/41/176/47
Indoor noise level (Hi/Med/Lo) (dB(A))		38/33/5/23.5
Dehumidification (Pint/H)		
		—
Indoor unit		
Dimension (WxDxH) (inch)		33.66x9.09x11.69
	(mm)	855x231x297
Packing (WxDxH) (inch)		36.22x12.20x14.57
	(mm)	920x310x370
Net/Gross weight (lb.)		22.93/26.88
	(kg)	10.4/13.1

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 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))		56
Outdoor unit		
Dimension (WxDxH) (inch)		31.69x12.99x21.81
	(mm)	805x330x554
Packing (WxDxH) (inch)		36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight (lb.)		73.63/79.37
	(kg)	33.4/36

Indoor unit dimension



Outdoor unit dimension

