

**SUBMITTAL DATA SHEET**



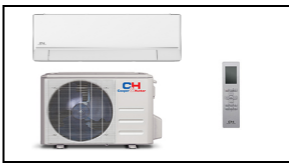
**CH-18MASTWM-230V1 / CH-HPR18-230VO      18,000 BTU/H(208/230V)      Wall Mounted Heat Pump System**

Location: \_\_\_\_\_ Approval: \_\_\_\_\_  
 Engineer: \_\_\_\_\_ Date: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_ Construction: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_ Unit #: \_\_\_\_\_  
 Reference: \_\_\_\_\_ Drawing #: \_\_\_\_\_

CH-18MASTWM-230V1  
CH-HPR18-230VO

**Set Model**  
 Indoor unit model CH-18MASTWM-230V1  
 Outdoor unit model CH-HPR18-230VO

**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)	16.0
Max.fuse (A)	25.0

**Cooling**

Rated Capacity (Btu/h)	18000
Capacity Range (Btu/h)	8870~19400
Power Input (Max) (W)	1440
Rated current (A)	6.3
SEER (Btu/W)	21.5
EER (Btu/W)	12.5

**Heating at 47F**

Rated Capacity (Btu/h)	18000
Capacity Range (Btu/h)	15100~19500
Power Input (Max) (W)	1700
Rated current (A)	7.3
HSPF4 (Btu/W)	13
HSPF5 (Btu/W)	11
COP	3.10

**Heating at 17F**

Max Capacity (Btu/h)	20270
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**REFRIGERANT PIPE DATA**

Design pressure (PSI/G)	550/340	
Refrigerant Type (Oz)	R410A/65.2	
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" / 1/2"	
	(mm)	6.35/12.7
Max. pipe length (ft)	98.0	
	(m)	30.0
Max. difference in level (ft)	66.0	
	(m)	20.0
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)	258.33~376.74
(m2)	24~35

**INDOOR UNIT DATA**

**Indoor fan motor**

Type	Cross-Flow
Model	ZKFP-30-8-3-10
Qty	1
Input (W)	36.0
RLA (A)	0.4
LRA (A)	---
Winding Resistance (Ω)	---
Capacitor (uF)	---
Speed(Hi/Mi/Lo) (r/min)	1240/1024/916

**Air flow & Noise level**

Indoor air flow (Hi/Med/Lo) (h) (CFM)	523.53/376.47/305.88
Indoor noise level (Hi/Med/Lc) [dB(A)]	46/42/24
Dehumidification (Pint/H)	---

**Indoor unit**

Dimension (WxDxH) (inch)	40.28x9.65x12.56
(mm)	1023x245x319
Packing(WxDxH) (inch)	43.11x12.80x15.75
(mm)	1095x325x400
Net/Gross weight (lbs.)	27.12/35.71
(kg)	12.3/16.2

**OUTDOOR UNIT DATA**

**Compressor**

Type	KTM240043UKT
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-80-8-3
Qty	1
Input (W)	---
RLA (A)	---
Speed (r/min)	810/720

**Air flow & Noise level**

Outdoor air flow (Max.) (CFM)	1764.70
Outdoor noise level [dB(A)]	59

**Outdoor unit**

Dimension (WxDxH) (inch)	35.04x13.46x26.50
(mm)	890x342x673
Packing (WxDxH) (inch)	39.17x15.67x29.13
(mm)	995x398x740
Net/ Gross weight (lbs.)	100.97/108.03
(kg)	45.8/49

