

SUBMITTAL DATA SHEET



CH-18MASTWM-230VI / CH-ES18-230VO	18,000 BTU/H(208/230V)	Wall Mounted Heat Pump System
Location: _____	Approval: _____	Date: _____
Engineer: _____	Construction: _____	Unit #: _____
Submitted to: _____	Drawing #: _____	
Submitted by: _____		
Reference: _____		

CH-18MASTWM-230VI
CH-ES18-230VO

Set Model
Indoor unit model CH-18MASTWM-230VI
Outdoor unit model CH-ES18-230VO

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)		17.0
Max.fuse (A)		25.0
Cooling		
Rated Capacity (Btu/h)		18000
Capacity Range (Btu/h)		2000~19300
Power Input (Max) (W)		1440
Rated current (A)		6.45
SEER (Btu/W)		22.6
EER (Btu/W)		12.5

Heating at 47F		
Rated Capacity (Btu/h)		19000
Capacity Range (Btu/h)		6200~21000
Power Input (Max) (W)		1650
Rated current (A)		7.4
HSPF4 (Btu/W)		12
HSPF5 (Btu/W)		10
COP	W/W	3.37

Heating at 17F		
Max Capacity (Btu/h)		15600

REFRIGERANT PIPE DATA

Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/56.44
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)		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)		258.33~376.74
	(m2)	24~35

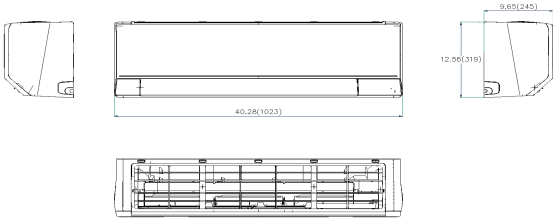
INDOOR UNIT DATA

Indoor fan motor		
Type		Cross-Flow
Model		ZKFP-30-B-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/Lo) [dB(A)]		46.5/43/32.5
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		KSN140D58UFZ
Model		ROTARY
Brand		GMCC
Capacity (Btu/h)		14723.39115
Input (W)		1090
Rated current (RLA) (A)		-
Refrigerant oil/oil charge (ml)		-
Throttle		Capillary +EXV
Outdoor fan motor		
Model		ZKFN-80-B-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)]		58
Outdoor unit		
Dimension (WxDxH) (inch)		35.04x13.46x26.50
	(mm)	890x342x673
Packing (WxDxH) (inch)		39.17x15.67x29.13
	(mm)	995x398x740
Net/ Gross weight (lbs.)		95.02/101.85
	(kg)	43.1/46.2

Indoor unit dimension



Outdoor unit dimension

