

SUBMITTAL DATA SHEET



CH-18MOLVWM-230VI / CH-ES18-230VO 18,000 BTU/H(208/230V) Wall Mounted Heat Pump System

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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Set Model
 Indoor unit model: CH-18MOLVWM-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
Connection wiring		14*4 AWG
Cooling		
Rated Capacity (Btu/h)		18000
Capacity Range (Btu/h)		1980-19500
Power Input (Max) (W)		1333
Rated current (A)		5.94
SEER (Btu/W)		24
EER (Btu/W)		13.5
Heating at 47F		
Rated Capacity (Btu/h)		18000
Capacity Range (Btu/h)		6620-21200
Power Input (Max) (W)		1410
Rated current (A)		6.31
HSPF4 (Btu/W)		11.6
HSPF5 (Btu/W)		9.4
COP		3.74
Heating at 17F		
Max Capacity (Btu/h)		18000

INDOOR UNIT DATA

Indoor fan motor		
Type		Cross-Flow
Model		ZKFP-58-8-1-5
Qty		1
Input (W)		58.0
RLA (A)		-
LRA (A)		-
Winding Resistance (Ω)		-
Capacitor (uF)		-
Speed(Hi/Mi/Lo) (r/min)		1120/950/700
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (h) (CFM)		530.59/458.82/382.35
Indoor noise level (Hi/Med/Lo) [dB(A)]		45.5/41/24.5
Dehumidification (Pint/H)		-
Indoor unit		
Dimension (WxDxH) (inch)		42.64x9.61x13.23
	(mm)	1083x244x336
Packing(WxDxH) (inch)		45.47x16.34x12.40
	(mm)	1155x415x315
Net/Gross weight (lbs.)		29.54/37.48
	(kg)	13.4/17

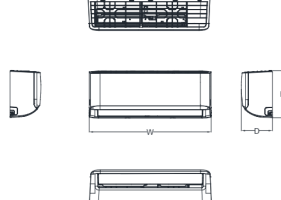
OUTDOOR UNIT DATA

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-80-8-3
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)]		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

REFRIGERANT PIPE DATA

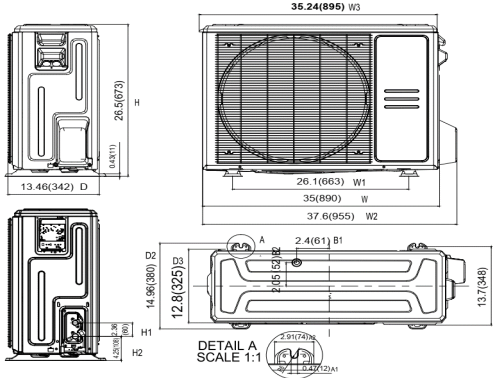
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/56.44
Refrigerant precharge (ft)		25.0
	(m)	7.6
Additional charge for each ft (oz/ft)		0.16
	(g/ft)	15
Liquid side/ Gas side (inch)		1/4" / 1/2"
	(mm)	Φ6.35 / Φ12.7
Max. pipe length (ft)		98.0
	(m)	30.0
Max. difference in level (ft)		66.0
	(m)	20.0
Connection method		(Flared)
Indoor(cooling) (Deg. °F / °C)		60~90 / 16~32
Indoor(heating) (Deg. °F / °C)		32~86 / 0~30
Outdoor(cooling) (Deg. °F / °C)		-13-122 / -25~50
Outdoor(heating) (Deg. °F / °C)		-13-75 / -25~24
Application area (sq.ft)		258.33~376.74
	(m2)	24~35

Indoor unit dimension



Capacity	Body Code	W(mm/inch)	D(mm/inch)	H(mm/inch)
6K-11K	A	729/28.7	200/7.87	292/11.5
8K-14K	B	802/31.57	200/7.87	295/11.61
12K-21K	C	971/38.23	228/8.98	321/12.64
18K-28K	D	1082/42.6	234/9.21	337/13.27
27K-36K	F	1259/49.57	283/11.14	362/14.25

Outdoor unit dimension



DETAIL A
SCALE 1:1