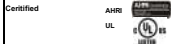


Wall Mounted Heat Pump System

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

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

Set Model
 Indoor unit model CH-12MCT1W-230V
 Outdoor unit model CH-ES12-230V



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity (Outdoor)	(A)	13.0
Max. fuse (Outdoor)	(A)	15.0
Connection wiring		14"4 AWG
Cooling		
Capacity	(Btu/h)	12000(4000~13200)
Power Input	(W)	952(160~1200)
Current	(A)	4.17(1.26~5.35)
SEER2	(Btu/W)	22.0
EER2	(Btu/W)	12.6
Heating		
Capacity	(Btu/h)	12500(3700~12800)
Power Input	(W)	1145(300~1240)
Current	(A)	4.83(2.37~5.50)
HSPF2.4	(Btu/W)	9.8
HSPF2.6	(Btu/W)	7.5
COP	W/W	3.20
Heat at 17F (H32)	(Btu/h)	7700
Heat at 5F (H42)	(Btu/h)	7800
COP at 5F (H42)	W/W	2.21

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSiG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	38.10
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.16
Additional charge for each m	(g/m)	15.0
Liquid side/ Gas side (indoor)	(inch)	1/4" / 1/2"
	(mm)	6.35/12.7
Liquid side/ Gas side (outdoor)	(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)	(Deg. °F)	60~90
	(Deg. °C)	16~32
Indoor (heating)	(Deg. °F)	32~86
	(Deg. °C)	0~30
Outdoor (cooling)	(Deg. °F)	-13~122
	(Deg. °C)	-25~50
Outdoor (heating)	(Deg. °F)	-13~75
	(Deg. °C)	-25~24

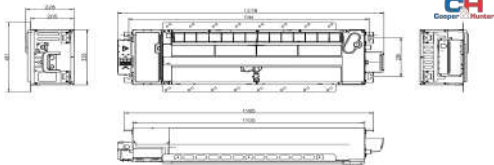
INDOOR UNIT DATA

Indoor fan motor	
Model	ZKFN-30-8-43
Qty	1.00
Input	(W)
Output	(W)
RLA	(A)
Speed (Hi/Mi/Lo)	(r/min)
Air flow & Noise level	
Indoor air flow (Hi/Med/Lo) (No duc)	(CFM)
Indoor noise level (Hi/Med/Lo)	(dB(A))
Dehumidification	
Indoor unit	(L/H)
Dimension (WxDxH)	(inch)
	(mm)
Packing (WxDxH)	(inch)
	(mm)
Net/Gross weight	(lbs.)
	(kg)

OUTDOOR UNIT DATA

Compressor	
Type	ROTARY
Model	KSK103D33UE23
Brand	GMCC
Capacity	(Btu/h)
Input	(W)
Rated current (RLA)	(A)
Refrigerant oil/oil charge	(ml)
Outdoor fan motor	
Model	ZKFN-34-10-1
Qty	1
Input	(W)
Output	(W)
RLA	(A)
Speed	(r/min)
Air flow & Noise level	
Outdoor air flow (Max.)	(CFM)
Outdoor noise level	(dB(A))
Outdoor unit	
Dimension (WxDxH)	(inch)
	(mm)
Packing (WxDxH)	(inch)
	(mm)
Net/ Gross weight	(lbs.)
	(kg)

Indoor unit dimension



Outdoor unit dimension

