

Wall Mounted Heat Pump System

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

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

Set Model CH-18MCT1W-230V/I
 Indoor unit model CH-HPR18-230VO
 Outdoor unit model

Certified
 AHRI
 UL LISTED



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)	20.0	
Max.fuse(Outdoor)	(A)	25.0	
Connection wiring		14'4 AWG	
Cooling			
Capacity	(Btu/h)	16700(6100-17500)	
Power Input	(W)	1337(305-1880)	
Current	(A)	8.30(2.2-8.0)	
SEER2	(Btu/W)	19.8	
EER2	(Btu/W)	12.5	
Heating			
Capacity	(Btu/h)	20000(6450-21500)	
Power Input	(W)	2086(1000-2220)	
Current	(A)	12.3(4.5-9.5)	
HSPF2-4	(Btu/W)	11.2	
HSPF2-5	(Btu/W)	8.5	
COP	W/W	2.81	
Heat at 17F(H32)	(Btu/h)	14500	
Heat at 5F(H42)	(Btu/h)	16700	
COP at 5F(H42)	W/W	1.93	

REFRIGERANT PIPE DATA

	Indoor unit	N/A
Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	65.26
Refrigerant precharge	(fl)	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)	98.4
	(m)	30.0
Max. difference in level	(ft)	65.6
	(m)	20.0
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)	-22~122
	(Deg. °C)	-30~50
Outdoor(heating)	(Deg. °F)	-22~75
	(Deg. °C)	-30~24

INDOOR UNIT DATA

Indoor fan motor			
Model		ZKFN-30-8-43	
Qty		1	
Input	(W)	/	
Output	(W)	30.0	
RLA	(A)	1.50	
Speed(Hi/Mi/Lo)	(r/min)	1344/1184/1024	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	400.00/351.76/300.00/207.06	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	44/40.5/35	
Dehumidification			
Indoor unit			
Dimension (WxDxH)	(inch)	50.31x13.19x9.98	
	(mm)	1278x335x228	
Packing(WxDxH)	(inch)	57.60x22.48x22.64	
	(mm)	1463x571x575	
Net/Gross weight	(lbs.)	45.19/82.89	
	(kg)	20.5/37.6	

OUTDOOR UNIT DATA

Compressor			
Type		Twin-ROTARY	
Model		KTM240D43UKT	
Brand		GMCC	
Capacity	(Btu/h)	25931	
Input	(W)	2045	
Rated current (RLA)	(A)	14.3	
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 620	
Outdoor fan motor			
Model		ZKFN-80-8-3	
Qty		1	
Input	(W)	/	
Output	(W)	80.00	
RLA	(A)	0.76	
Speed	(r/min)	810/720	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	1764.7	
Outdoor noise level	[dB(A)]	57.5	
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	

