

**Console Heat Pump System**

Location: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Reference: \_\_\_\_\_

Approval: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Construction: \_\_\_\_\_  
 Unit #: \_\_\_\_\_  
 Drawing #: \_\_\_\_\_

**Set Model**  
 Indoor unit model CH-16MMC-230VI  
 Outdoor unit model CH-HPR18-230VO

**Certified**

AHRI

UL


**SYSTEM PERFORMANCE DATA**

<b>Power supply</b>	
Normal Operational Voltage	(V, Ph, Hz) 208/230V, 1Ph, 60Hz
Voltage Range	(V) 187-253
<b>Electrical</b>	
Minimum circuit ampacity(Outdoor)	(A) 20.0
Max.fuse(Outdoor)	(A) 25.0
Connection wiring	0
<b>Cooling</b>	
Capacity	(Btu/h) 16000(7800-16400)
Power Input	(W) 1456(340-1774)
Current	(A) 6.66(2.55-7.85)
SEER2	(Btu/W) 20.2
EER2	(Btu/W) 11.0
<b>Heating</b>	
Capacity	(Btu/h) 17000(8600-21800)
Power Input	(W) 1779(590-2063)
Current	(A) 8.0(3.95-9.05)
HSPF2-4	(Btu/W) 8.9
HSPF2-5	(Btu/W) 7.3
COP	W/W 2.80
Heat at 17F(H32)	(Btu/h) 14700
Heat at 5F(H42)	(Btu/h) 16700
COP at 5F(H42)	W/W 1.76

**REFRIGERANT PIPE DATA**

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	65.26
Refrigerant precharge	(ft)	0.0
	(m)	0.0
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**

<b>Indoor fan motor</b>	
Model	ZKFP-13-8-136-ZKFP-13-8-104
Qty	1+1
Input	(W) /
Output	(W) 13.0
RLA	(A) 1.03
Speed(Hi/Mi/Lo)	(r/min) 1100/1000/900
<b>Air flow &amp; Noise level</b>	
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM) 500.00/441.18/382.35/323.53
Indoor noise level (Hi/Med/Lo)	[dB(A)] 45/40.5/30
<b>Dehumidification</b>	(L/H) 2.05
<b>Indoor unit</b>	
Dimension (WxDxH)	(inch) 31.26x7.87x24.45
	(mm) 794x200x621
Packing(WxDxH)	(inch) 34.06x11.02x28.31
	(mm) 865x280x719
Net/Gross weight	(lbs.) 32.85/41.45
	(kg) 14.9/18.8

**OUTDOOR UNIT DATA**

<b>Compressor</b>	
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
<b>Outdoor fan motor</b>	
Model	ZKFN-80-8-3
Qty	1
Input	(W) /
Output	(W) 80.00
RLA	(A) 0.76
Speed	(r/min) 810/720
<b>Air flow &amp; Noise level</b>	
Outdoor air flow (Max.)	(CFM) 1764.7
Outdoor noise level	[dB(A)] 58.0
<b>Outdoor unit</b>	
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

