

Wall Mounted Heat Pump System

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

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

Set Model
 Indoor unit model CH-06MCT1W-230V1
 Outdoor unit model CH-HPR06F9-230V0

Certified

AHRI



UL


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) 6500(3600-11200)
 Power Input (W) 448(155-975)
 Current (A) 3(1.18-4.33)
 SEER2 (Btu/W) 22.0
 EER2 (Btu/W) 14.5

Heating
 Capacity (Btu/h) 7100(3700-12500)
 Power Input (W) 555(290-1097)
 Current (A) 4.33(1.44-4.87)
 HSPF2-4 (Btu/W) 10.8
 HSPF2-5 (Btu/W) 9.0
 COP W/W 3.75
 Heat at 17F(H32) (Btu/h) 5700
 Heat at 5F(H42) (Btu/h) 8000
 COP at 5F(H42) W/W 2.00

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" / 3/8"
	(mm)	6.35/9.52
Liquid side/ Gas side(outdoor)	(inch)	1/4" / 3/8"
	(mm)	6.35/9.52
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
 Input (W) /
 Output (W) 30.0
 RLA (A) 0.80
 Speed(Hi/Mi/Lo) (r/min) 1024/944/784

Air flow & Noise level
 Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 341.18/294.12/258.82/235.29
 Indoor noise level (Hi/Med/Lo) [dB(A)] 37.5/35.5/32.5
Dehumidification (L/H) 1.02

Indoor unit
 Dimension (WxDxH) (inch) 50.31x13.19x8.98
 (mm) 1278x335x228
 Packing(WxDxH) (inch) 57.60x22.48x22.64
 (mm) 1463x571x575
 Net/Gross weight (lbs.) 43.87/81.35
 (kg) 19.9/36.9

OUTDOOR UNIT DATA
Compressor
 Type ROTARY
 Model KSK103D33UEZ3
 Brand GMCC
 Capacity (Btu/h) 11106
 Input (W) 826
 Rated current (RLA) (A) 6.4
 Refrigerant oil/oil charge (ml) ESTER OIL VG74 310

Outdoor fan motor
 Model ZKFN-34-10-1
 Qty 1
 Input (W) /
 Output (W) 34.00
 RLA (A) 0.40
 Speed (r/min) 800/600

Air flow & Noise level
 Outdoor air flow (Max.) (CFM) 1294.1
 Outdoor noise level [dB(A)] 53.5

Outdoor unit
 Dimension (WxDxH) (inch) 30.12x11.93x21.85
 (mm) 765x303x555
 Packing (WxDxH) (inch) 34.92x13.27x24.02
 (mm) 887x337x610
 Net/ Gross weight (lbs.) 63.7/69.00
 (kg) 28.9/31.3

