



<b>FPA-24/CZP24CD(O)</b>	<b>24,000 BTU/H(208/230V) Wall Mounted Heat Pump System</b>
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

**Set Model**

Indoor unit model            FPA-24  
 Outdoor unit model        CZP24CD(O)

**Certified**

AHRI   
 UL 



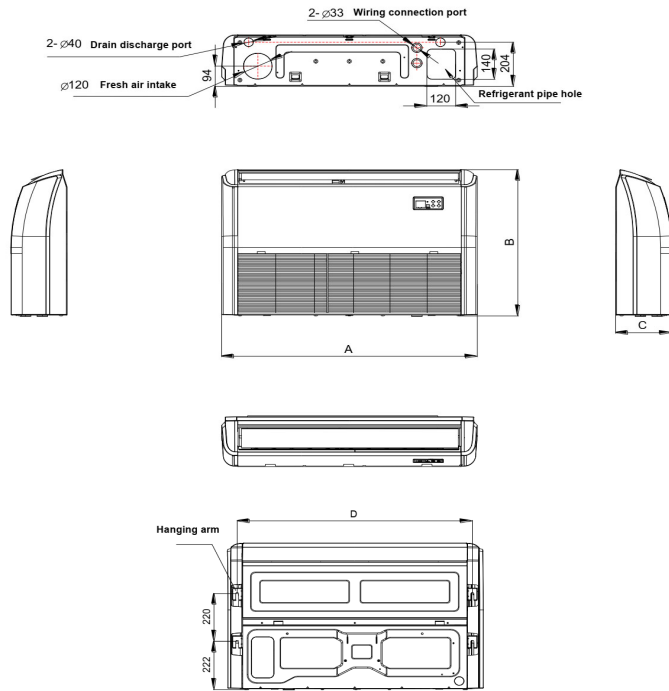
SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Voltage (V, Ph, Hz)		208/230, 1, 60
Voltage Range (V)		187-253
<b>Electrical</b>		
Minimum circuit ampacity (A)		22.0
Max.fuse (A)		30.0
Connection wiring		14AWG*4 Stranded, unshielded
<b>Cooling</b>		
Rated Capacity (Btu/h)		24000
Capacity Range (Btu/h)		7700~25500
Power Input (Max) (W)		1920
Rated current (A)		8.78
SEER2 (Btu/W)		20.5
EER2 (Btu/W)		12.5
<b>Heating at 47F</b>		
Rated Capacity (Btu/h)		24000
Capacity Range (Btu/h)		11600~30900
Power Input (Max) (W)		1920
Rated current (A)		/
HSPF2-4 (Btu/W)		10.3
HSPF2-5 (Btu/W)		7.8
COP W/W		3.66
<b>Heating at 17F</b>		
Max Capacity (Btu/h)		14798

REFRIGERANT PIPE DATA		
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/82.89
Refrigerant precharge (ft)		25.0
	(m)	7.6
Additional charge for each ft (oz/ft)		0.32
	(g/ft)	30
Liquid side/ Gas side (inch)		3/8" / 5/8"
	(mm)	9.52/15.9
Max. pipe length (ft)		164.0
	(m)	50.0
Max. difference in level (ft)		82.0
	(m)	25.0
Connection method		(Flared)
Indoor(cooling/ heating) (Deg. °F)		60~90 / 32~86
	(Deg. °C)	16~32 / 0~30
Outdoor(cooling/heating) (Deg. °F)		-13~122 / -13~75
	(Deg. °C)	-25~50 / -25~24
Application area (sq.ft)		344.44~505.90
	(m2)	32~47

INDOOR UNIT DATA		
<b>Indoor fan motor</b>		
Type		Cross-Flow
Model		ZKFN-90-8-1
Qty		1
Input (W)		96.0
RLA (A)		--
LRA (A)		--
Winding Resistance (Ω)		--
Capacitor (uF)		--
Speed(Hi/Mi/Lo) (r/min)		1350/1260/1120
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (CFM)		758.82/708.24/598.24
Indoor noise level (Hi/Med/Lo) [dB(A)]		51/47/42
<b>Dehumidification</b>		
		--
<b>Indoor unit</b>		
Dimension (WxDxH) (inch)		42.05x26.57x9.25
	(mm)	1068x675x235
Packing(WxDxH) (inch)		45.08x29.72x12.52
	(mm)	1145x755x318
Net/Gross weight (lbs.)		60.63/72.09
	(kg)	27.5/32.7

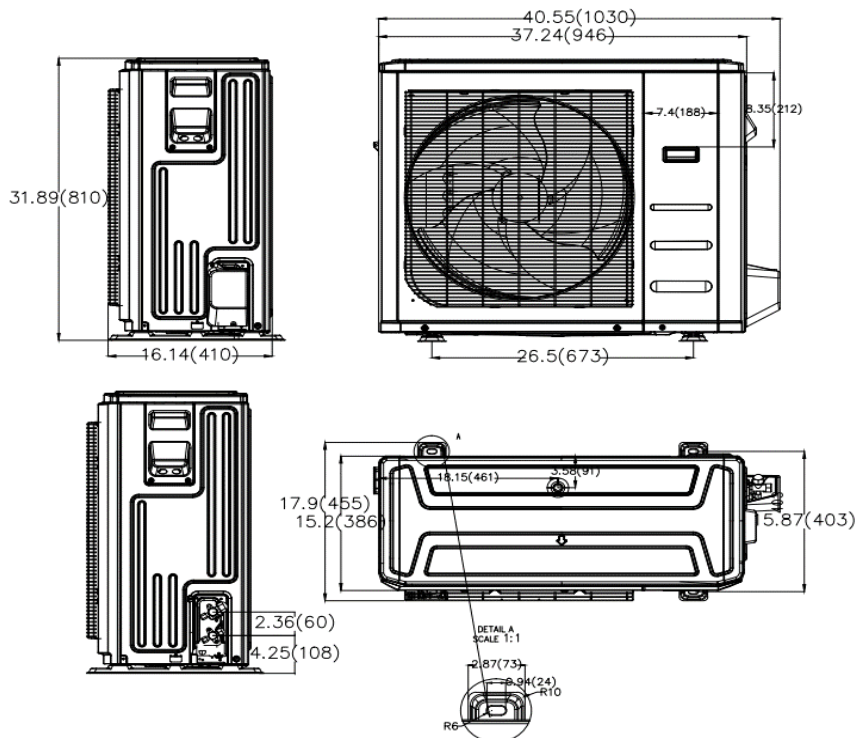
OUTDOOR UNIT DATA		
<b>Compressor</b>		
Type		KTM240D43UKT
Model		DUAL ROTARY
Brand		GMCC
Capacity (Btu/h)		25932.27641
Input (W)		2045
Rated current (RLA) (A)		--
Refrigerant oil/oil charge (ml)		--
Throttle		Capillary +EXV
<b>Outdoor fan motor</b>		
Model		ZKFN-120-8-2
Qty		1
Input (W)		--
RLA (A)		--
Speed (r/min)		900/810/450/360
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.) (CFM)		2235.30
Outdoor noise level [dB(A)]		60
<b>Outdoor unit</b>		
Dimension (W×D×H) (inch)		37.24x16.14x31.89
	(mm)	946x410x810
Packing (W×D×H) (inch)		42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight (lbs.)		124.78/134.92
	(kg)	56.6/61.2

### Indoor unit dimension



Capacity (Btu/h)	Unit	A	B	C	D
18K / 24K	mm	1068	675	235	983
	inch	42.05	26.57	9.25	38.70
36K	mm	1285	675	235	1200
	inch	50.59	26.57	9.25	47.24
48K/60K	mm	1650	675	235	1565
	inch	64.96	26.57	9.25	61.61

### Outdoor unit dimension



**General Features**

Wired controller(optional)

Weekly-time wired controller(optional)

Central controller

Long distance Alarm and ON/OFF controller(optional)

Build-in pump(optional)

3D airflow

**Extended Performance Data**