

Wall Mounted Heat Pump System

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

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

Set Code 22022010018163
 Indoor unit code 22022011016725
 Outdoor unit code 22022016016500

Set Model
 Indoor unit model **BFMS24PL-011**
 Outdoor unit model **BFMS24PL-010**

Certified

AHRI



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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)	23.0
Max.fuse(Outdoor)	(A)	30.0
Connection wiring		14AWG*4
Cooling		
Capacity	(Btu/h)	24000(9200~25000)
Power Input	(W)	1846(370~1550)
Current	(A)	8.02(2.4~6.8)
SEER2	(Btu/W)	21.0
EER2	(Btu/W)	13.0
Heating		
Capacity	(Btu/h)	26000(10350~26410)
Power Input	(W)	2420(560~2240)
Current	(A)	10.35(3.6~9.8)
HSPF2-4	(Btu/W)	8.5
HSPF2-5	(Btu/W)	6.3
COP	W/W	3.15
Heat at 17F(H32)	(Btu/h)	17400
Heat at 5F(H42)	(Btu/h)	14800
COP at 5F(H42)	W/W	1.80

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV+Throttle valve
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	82.89
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.32
Additional charge for each m	(g/m)	30.0
Liquid side/ Gas side(indoor)	(inch)	3/8"/5/8"
	(mm)	9.52/15.9
Liquid side/ Gas side(outdoor)	(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)	(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

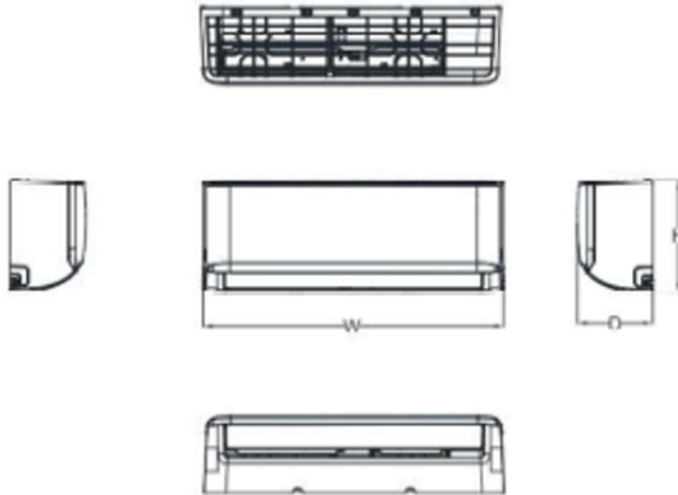
INDOOR UNIT DATA

Indoor fan motor		
Model		ZKFP-58-8-1-5
Qty		1
Input	(W)	58.0
Output	(W)	58.0
RLA	(A)	0.4
Speed(Hi/Mi/Lo)	(r/min)	1200/1080/600
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	760.59/601.18/458.82/382.35
Indoor noise level (Hi/Med/Lo)	[dB(A)]	48/40/28
Dehumidification	(L/H)	2.57
Indoor unit		
Dimension (WxDxH)	(inch)	42.60x9.21x13.27
	(mm)	1082x234x337
Packing(WxDxH)	(inch)	45.47x16.34x12.40
	(mm)	1155x415x315
Net/Gross weight	(lbs.)	29.98/38.14
	(kg)	13.6/17.3

OUTDOOR UNIT DATA

Compressor		
Type		Twin-ROTARY
Model		KTM240D43UKT
Brand		GMCC
Capacity	(Btu/h)	25931
Input	(W)	2045
Rated current (RLA)	(A)	15.4
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 620
Outdoor fan motor		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	150.0
Output	(W)	120
RLA	(A)	0.5
Speed	(r/min)	900/450
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	2235
Outdoor noise level	[dB(A)]	62.0
Outdoor unit		
Dimension (WxDxH)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (WxDxH)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	124.78/134.92
	(kg)	56.6/61.2

Indoor unit dimension



Capacity	Body Code	W	D	H
6K - 11K	A	28.70"	7.87"	11.50"
8K - 14K	B	31.57"	7.87"	11.61"
12K - 21K	C	38.23"	8.98"	12.64"
18K - 28K	D	42.60"	9.21"	13.27"
27K - 36K	F	49.57"	11.14"	14.25"

Outdoor unit dimension

