

Wall Mounted Heat Pump System

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

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

Set Code 22022010018038
 Indoor unit code 22022011018723
 Outdoor unit code 22022016018180

Set Model
 Indoor unit model **BFMS18PL-011**
 Outdoor unit model **BFMS18PL-010**

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)	19.0
Max.fuse(Outdoor)	(A)	30.0
Connection wiring		14AWG*4
Cooling		
Capacity	(Btu/h)	18000(7320~19500)
Power Input	(W)	1333(560~1748)
Current	(A)	5.94(2.4~8)
SEER2	(Btu/W)	24.0
EER2	(Btu/W)	13.5
Heating		
Capacity	(Btu/h)	18000(6620~21200)
Power Input	(W)	1410(460~1964)
Current	(A)	6.31(2.5~9)
HSPF2-4	(Btu/W)	10.5
HSPF2-5	(Btu/W)	7.9
COP	WW	3.74
Heat at 17F(H32)	(Btu/h)	14100
Heat at 5F(H42)	(Btu/h)	12800
COP at 5F(H42)	WW	2.44

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	56.44
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"/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)	-13~122
	(Deg. °C)	-25~50
Outdoor(heating)	(Deg. °F)	-13~75
	(Deg. °C)	-25~24

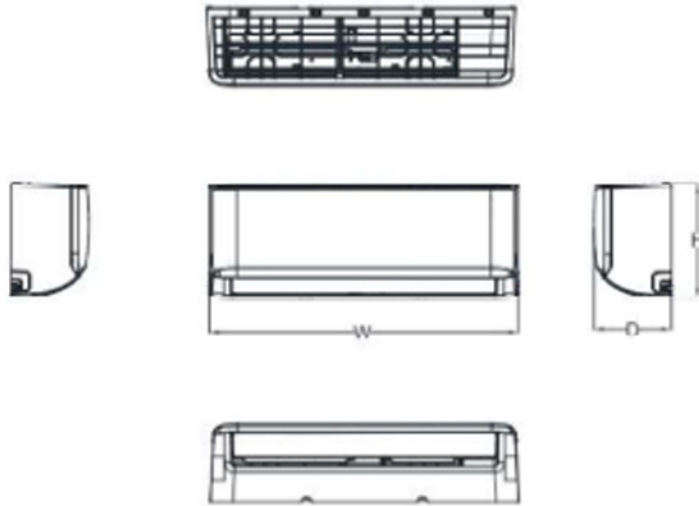
INDOOR UNIT DATA

Indoor fan motor		
Model		ZKFP-58-8-1-5
Qty		1
Input	(W)	58.0
Output	(W)	58.0
RLA	(A)	0.3
Speed(Hi/Mi/Lo)	(r/min)	1120/950/700
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	760.59/530.59/458.82/382.35
Indoor noise level (Hi/Med/Lo)	[dB(A)]	45.5/41/24.5
Dehumidification		
Indoor unit	(L/H)	1.55
Dimension (WxDxH)	(inch)	42.60x9.21x13.27
	(mm)	1082x234x337
Packing(WxDxH)	(inch)	45.47x16.34x12.40
	(mm)	1155x415x315
Net/Gross weight	(lbs.)	29.54/37.48
	(kg)	13.4/17

OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KSN140D58UFZ
Brand		GMCC
Capacity	(Btu/h)	14723
Input	(W)	1090
Rated current (RLA)	(A)	12
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 440
Outdoor fan motor		
Model		ZKFN-80-8-3
Qty		1
Input	(W)	/
Output	(W)	80
RLA	(A)	0.8
Speed	(r/min)	810/720
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	2059
Outdoor noise level	[dB(A)]	58.8
Outdoor unit		
Dimension (WxDxH)	(inch)	35.04x13.46x26.50
	(mm)	890x342x673
Packing (WxDxH)	(inch)	39.17x15.67x29.13
	(mm)	995x398x740
Net/ Gross weight	(lbs.)	94.36/100.97
	(kg)	42.8/45.8

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

