

High Wall Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

9,000 BTU R454B Basic Single Zone Ductless Mini Split Air Conditioner and Heat Pump w/WIFI (Package)

Package Model: BFMS0921BA-02

Indoor Model: BFMS09BA-02I

Outdoor Model: BFMS09BA-02O



INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	306.1 / 247.2 / 176.6 / 141.3 / N/A	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	43.0/38.5/33.0/24.0/19.5	
Dimension (W×D×H)	inch	28.70 x 7.87 x 11.50
	mm	729.0×200.0×292.0
Package (W×D×H)	inch	31.10 x 10.63 x 14.76
	mm	790×270×375
Net/Gross Weight	lbs	18.08/23.15
	kg	8.2/10.5

OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Compressor Model	KSK103D33UEZ3	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	310	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1294.1	
Outdoor Noise Level (dBA)	53.5	
Dimension (W×D×H)	inch	30.12 x 11.93 x 21.85
	mm	765.0×303.0×555.0
Package (W×D×H)	inch	34.92 x 13.27 x 24.02
	mm	887×337×610
Net/Gross Weight	lbs	54.23/59.74
	kg	24.6/27.1

EFFICIENCY

Cooling		Heating	
SEER2	21.6	HSPF2-4	9.4
EER2	12.6	COP	3.27

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	9000
Min/Max Capacity	2900~10500
Moisture Removal(L/h)	0.9
Standard Operating Range(*F/*C)	5~122(-15~50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	10000
1. @ 47°F Min/Max Capacity	2400~11200
2. @ 17°F Rated	6600
3. @ 5°F Rated: Capacity / COP	7000/2.00
3. @ 5°F Max: Capacity	7000
Standard Operating Range(*F/*C)	5~75(-15~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Conditions	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	12.0
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	7.0
Outdoor Fan Motor RLA	0.3
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.3
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	714(300 ~ 880)
System Power Input @ Heating (W)	896(320 ~ 1100)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	Capillary
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
Max. Piping Length(ft/m)	82.00(25)
Max. Height Difference(ft/m)	49.20(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	21.52(0.61)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.16(15)
Connection Method	Flared