

### High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

## 18,000 BTU R454B Basic Single Zone Ductless Mini Split Air Conditioner and Heat Pump w/WIFI (Package)

**Package Model:** BFMS1819BA-02

**Indoor Model:** BFMS18BA-02I

**Outdoor Model:** BFMS18BA-02O



### INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	470.9 / 400.2 / 329.6 / 270.8 / /	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	49.0/45/38/23/19	
Dimension (W×D×H)	inch	38.23 x 8.98 x 12.64
	mm	971.0×228.0×321.0
Package (W×D×H)	inch	41.14 x 12.01 x 15.94
	mm	1045×305×405
Net/Gross Weight	lbs	25.35/32.85
	kg	11.5/14.9

### OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Compressor Model	KSN140D21UFZ	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	440	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1235.3	
Outdoor Noise Level (dBA)	58.0	
Dimension (W×D×H)	inch	31.69 x 12.99 x 21.81
	mm	805.0×330.0×554.0
Package (W×D×H)	inch	36.02 x 14.57 x 24.21
	mm	915×370×615
Net/Gross Weight	lbs	72.31/78.48
	kg	32.8/35.6

### EFFICIENCY

Cooling		Heating	
SEER2	20.2	HSPF2-4	9.1
EER2	11.5	COP	3.08

### PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	2600~18600
Moisture Removal(L/h)	2.5
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	18800
1. @ 47°F Min/Max Capacity	6100~19200
2. @ 17°F Rated	11700
3. @ 5°F Rated: Capacity / COP	11500/2.00
3. @ 5°F Max: Capacity	11500
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	15.0
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	10.0
Outdoor Fan Motor RLA	0.4
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	1565(280 ~ 1680)
System Power Input @ Heating (W)	1790(365 ~2010)
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	12.7mm(1/2in)
Max. Piping Length(ft/m)	98.40(30)
Max. Height Difference(ft/m)	65.60(20)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	40.57(1.15)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.16(15)
Connection Method	Flared