

### High Wall Heat Pump System

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



## 18,000 BTU R454B Plus Improved Efficiency Multi Zone Ductless Mini Split Air Conditioner and Heat Pump w/WIFI (Indoor)

Model: BFMS18PL-02I



### INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	759.3 / 500.3 / 441.4 / 370.8 //	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	54/45/40.0/26/20	
Dimension (W×D×H)	inch	42.60 x 9.21 x 13.27
	mm	1082.0×234.0×337.0
Package (W×D×H)	inch	45.47 x 16.34 x 12.40
	mm	1155×415×315
Net/Gross Weight	lbs	30.42/39.68
	kg	13.8/18

### OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Compressor Model	KSN140D58UFZ	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	440	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1764.7	
Outdoor Noise Level (dBA)	59.0	
Dimension (W×D×H)	inch	35.04 x 13.46 x 26.50
	mm	890.0×342.0×673.0
Package (W×D×H)	inch	39.17 x 15.67 x 29.13
	mm	995×398×740
Net/Gross Weight	lbs	92.59/100.31
	kg	42.0/45.5

### EFFICIENCY

Cooling		Heating	
SEER2	24.0	HSPF2-4	11.1
EER2	13.5	COP	3.81

### PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	3600~20000
Moisture Removal(L/h)	1.4
Standard Operating Range(*F/*C)	-13~122(-25~50)
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	18000
1. @ 47°F Min/Max Capacity	7600~22000
2. @ 17°F Rated	13000
3. @ 5°F Rated: Capacity / COP	13000/2.35
3. @ 5°F Max: Capacity	13000
Standard Operating Range(*F/*C)	-13~75(-25~24)
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	18.0
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	10.0
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	0.8
Indoor Fan Motor W	58
System Power Input @ Cooling (W)	1333(355 ~ 1700)
System Power Input @ Heating (W)	1385(410 ~1750)
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)	EXV+Throttle valve
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)	47.97(1.36)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.16(15)
Connection Method	Flared