

SUBMITTAL DATA SHEET

Multi-Zone Inverter Heat Pump Condensing Unit

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

UNIT SPECIFICATION

Model Number		BXM2Z55UC0
Series		Free Match
Maximum Indoor Units		6
Cooling Capacity	BTU/hr	55,000
Cooling Capacity Range	BTU/hr	8,870 - 61,000
Heating Capacity	BTU/hr	55,000
Heating Capacity Range	BTU/hr	8,870 - 62,000

EFFICIENCY RATINGS

SEER		21
HSPF		10
EER		11.7 (BTU/h)/W
COP		12.8 (BTU/h)/W

COMPRESSOR

Type		Twin Rotary
Model		QXFS-D40zX070A
Capacity		15,250 W
Power Input		3,514 W
RLA	A	23
LRA	A	N/A
Oil Type		FW68DA or equivalent
Oil Volume		1.35 L

OUTDOOR FAN

Fan Type		Axial-flow
Fan Quantity		2
Fan Diameter		475 mm (18.7")
Motor Type		DC Motor (Brushless)
Motor Output	W	120 W
Motor FLA	A	1.5
Motor Speed		920 rpm

Airflow	CFM	3531
Sound Pressure (Mid/High)	dBA	50 / 59
Sound Power (Mid/High)	dBA	60 / 69

ELECTRICAL

Power Supply	208-230V / 1Ph / 60Hz	
Voltage Range	187-253 V	
Cooling Power Input	4.7 kW	
Heating Power Input	4.3 kW	
Max Power Input	6.1 kW	
Cooling Power Range	300 W - 5,800 W	
Heating Power Range	300 W - 6,100 W	
Cooling Current	20.9 A	
Heating Current	19.1 A	
Rated Current (Max)	28.5/30 A	
MCA (Min. Circuit Ampacity)	37.5 A	
Max. Over Current Protection	40 A	

REFRIGERANT

Refrigerant Type	R32	
Refrigerant Charge	112.88 oz	
GWP	675	
Throttling Method	Electronic Expansion Valve	

DIMENSIONS

Dimension (W × D × H)	38.86" × 16.22" × 49.77"	
Net Weight	224.9 lbs	
Gross Weight	251.4 lbs	

OPERATING CONDITIONS

Cooling Ambient Range	-22°F to 118°F (-30°C to 48°C)	
Heating Ambient Range	-22°F to 75°F (-30°C to 24°C)	
Low Ambient Cooling	Yes	
Low Voltage Startup	Yes	
Chassis Heater	Yes (72W)	

PIPING / LINE SET

Liquid Line (Ports 1-6)		1/4"
Gas Line (Ports 1 & 2)		1/2"
Gas Line (Ports 3-6)		3/8"
No-Charge Pipe Length	ft	196.85

Max Total Pipe Length	ft	393.7
Max Single Run Length	ft	82.02
Max Height (IDU to IDU)	ft	82.02
Max Height (IDU to ODU)	ft	82.02
Additional Refrigerant	oz/ft	0.2

RLA: Rated Load Amps | FLA: Full Load Amps | MCA: Minimum Circuit Ampacity | GWP: Global Warming Potential | IDU: Indoor Unit | ODU: Outdoor Unit

AHRI Certified | ETL Listed

Model: BXM2Z55UC0