BLUERIDGE

SUBMITTAL DATA SHEET

Wall Mounted Heat Pump System

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

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

Set Code	22022010018180
Indoor unit code	22022011016981
Outdoor unit code	22022016016740
Set Model	BMX1220
Indoor unit model	BMX1220WM
Outdoor unit model	BMX1220C
Ceritified	**AHRI**
	UL



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	115V,1Ph,60Hz
Voltage Range	(V)	103.5-126.5
Electrical		
Minimum circuit ampacity(Outdoor)	(A)	18.5
Max.fuse(Outdoor)	(A)	20.0
Connection wiring		14#x4
Cooling		
Capacity	(Btu/h)	12000(3800~12100)
Powrer Input	(W)	1165(239~1890)
Current	(A)	10.13(2.07~16.5)
SEER2	(Btu/W)	20.8
EER2	(Btu/W)	10.3
Heating		
Capacity	(Btu/h)	12000(2730~12500)
Powrer Input	(W)	1154(376~1390)
Current	(A)	10.05(3.26~16)
HSPF2-4	(Btu/W)	8.7
HSPF2-5	(Btu/W)	6.5
COP	W/W	3.05
Heat at 17F(H32)	(Btu/h)	7800
Heat at 5F(H42)	(Btu/h)	6300
COP at 5F(H42)	W/W	1.78

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	Capillary
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	28.57
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)	82.0
	(m)	25.0
Max. difference in level	(ft)	32.8
	(m)	10.0
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)	5~122
	(Deg. °C)	-15～50

INDOOR UNIT DATA

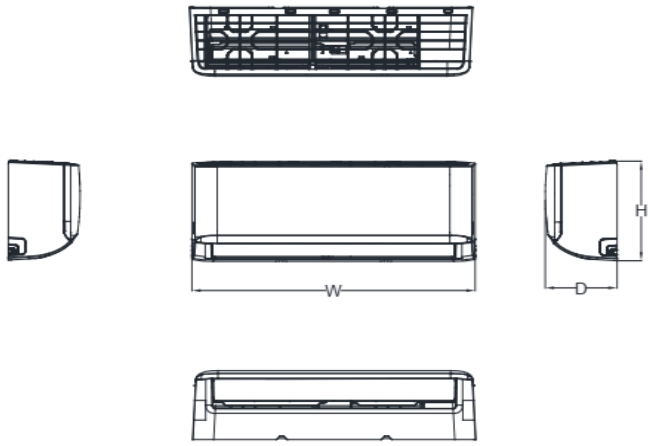
Indoor fan motor		
Model		ZKFP-20-8-113
Qty		1
Input	(W)	35.0
Output	(W)	20.0
RLA	(A)	0.4
Speed(Hi/Mi/Lo)	(r/min)	850/750/450
Air flow & Noise level		
Indoor air flow (Turbo/Hi/Med/Lo)	(CFM)	341.18/300.00/241.18/176.47
Indoor noise level (Hi/Med/Lo)	[dB(A)]	41/35/26.5
Dehumidification	(L/H)	1.46
Indoor unit		
Dimension (WxDxH)	(inch)	31.57x7.87x11.61
	(mm)	802x200x295
Packing(WxDxH)	(inch)	34.45x11.22x14.96
	(mm)	875x285x380
Net/Gross weight	(lbs.)	18.52/24.03
	(kg)	8.4/10.9

OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KSN98D64UFZ3
Brand		GMCC
Capacity	(Btu/h)	10577
Input	(W)	765
Rated current (RLA)	(A)	12.98
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 300±10
Outdoor fan motor		
Model		ZKFN-34-10-1-3
Qty		1
Input	(W)	/
Output	(W)	34
RLA	(A)	0.7
Speed	(r/min)	780/700/600
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	1235
Outdoor noise level	[dB(A)]	53.5
Outdoor unit		
Dimension (W×D×H)	(inch)	30.12x11.93x21.85
	(mm)	765x303x555
Packing (W×D×H)	(inch)	34.92x13.27x24.02
	(mm)	887x337x610
Net/ Gross weight	(lbs.)	62.17/67.68
	(kg)	28.2/30.7

Outdoor(heating)	(Deg. °F)	5～75
	(Deg. °C)	-15～24

Indoor unit dimension



Capacity	Body Code	W(mm/inch)	D(mm/inch)	H(mm/inch)
6K~11K	A	729/28.7	200/7.87	292/11.5
8K~14K	B	802/31.57	200/7.87	295/11.61
12K~21K	C	971/38.23	228/8.98	321/12.64
18K~28K	D	1082/42.6	234/9.21	337/13.27
27K~36K	F	1259/49.57	283/11.14	362/14.25

Outdoor unit dimension

