BLUERIDGE

SUBMITTAL DATA SHEET

Wall Mounted Heat Pump System

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

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

Set Code	22022010018160
Indoor unit code	22022011016941
Outdoor unit code	22022016016720
Set Model	BMY1820
Indoor unit model	BMY1820WM
Outdoor unit model	BMY1820C
Ceritified	**AHRI**
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SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V,1Ph,60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity(Outdoor)	(A)	15.0
Max.fuse(Outdoor)	(A)	20.0
Connection wiring		14#x4
Cooling		
Capacity	(Btu/h)	18000(3900~20000)
Powrer Input	(W)	1638(180~1480)
Current	(A)	7.5(0.78~6.43)
SEER2	(Btu/W)	19.5
EER2	(Btu/W)	11.0
Heating		
Capacity	(Btu/h)	18800(6300~19400)
Powrer Input	(W)	1806(375~1770)
Current	(A)	/(1.63~7.69)
HSPF2-4	(Btu/W)	8.7
HSPF2-5	(Btu/W)	6.8
COP	W/W	3.05
Heat at 17F(H32)	(Btu/h)	11400
Heat at 5F(H42)	(Btu/h)	11700
COP at 5F(H42)	W/W	2.06

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	Capillary
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	47.62
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)	98.4
	(m)	30.0
Max. difference in level	(ft)	65.6
	(m)	20.0
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

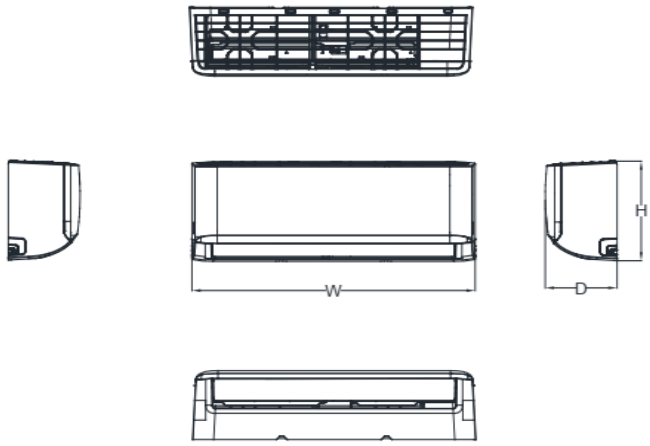
Indoor fan motor		
Model		ZKFP-30-8-3-10
Qty		1
Input	(W)	36.0
Output	(W)	30.0
RLA	(A)	0.4
Speed(Hi/Mi/Lo)	(r/min)	1200/1000/700
Air flow & Noise level		
Indoor air flow (Turbo/Hi/Med/Lo)	(CFM)	//458.82/329.41/270.59
Indoor noise level (Hi/Med/Lo)	[dB(A)]	45/38/30.0
Dehumidification	(L/H)	2.49
Indoor unit		
Dimension (WxDxH)	(inch)	38.23x8.98x12.64
	(mm)	971x228x321
Packing(WxDxH)	(inch)	41.14x12.01x15.94
	(mm)	1045x305x405
Net/Gross weight	(lbs.)	24.47/31.75
	(kg)	11.1/14.4

OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KSN140D21UFZ
Brand		GMCC
Capacity	(Btu/h)	14962
Input	(W)	1140
Rated current (RLA)	(A)	10
Refrigerant oil/oil charge	(ml)	VG74 440
Outdoor fan motor		
Model		ZKFN-34-10-1-3
Qty		1
Input	(W)	/
Output	(W)	34
RLA	(A)	0.7
Speed	(r/min)	950/800/650/450
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	1235
Outdoor noise level	[dB(A)]	57.0
Outdoor unit		
Dimension (W×D×H)	(inch)	31.69x12.99x21.81
	(mm)	805x330x554
Packing (W×D×H)	(inch)	36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight	(lbs.)	73.85/79.81
	(kg)	33.5/36.2

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

