



# BMX1217 Specifications and Certifications



## Models

BMX1217C	12000 BTU 17.4 SEER2 115V Mini-Split Heat Pump Condenser
BMX1217WM	12000 BTU 17.4 SEER2 115V Mini-Split Heat Pump Air Handler
BMX1217	12000 BTU 17.4 SEER2 115V Mini-Split Heat Pump System
BMX1217 KIT15	12000 BTU 17.4 SEER2 115V Mini-Split Heat Pump W/ 15 Ft Installation Kit
BMX1217 KIT25	12000 BTU 17.4 SEER2 115V Mini-Split Heat Pump W/ 25 Ft Installation Kit

# What's in the Box

## Mini-Split System

BMY1217	12000 BTU 17.6 SEER2 208/230V Mini-Split Heat Pump Condenser
	12000 BTU 17.6 SEER2 208/230V Mini-Split Heat Pump Air Handler
	Remote Controller



## Mini-Split System with Installation Kit

BMY1217 KIT15	12000 BTU 17.6 SEER2 208/230V Mini-Split Heat Pump Condenser
	12000 BTU 17.6 SEER2 208/230V Mini-Split Heat Pump Air Handler
	15 Foot 1/4 LL 3/8 SL Ductless Mini-Split Line Set
	25 Foot Stranded Ductless Mini-Split Communication Wire
	2.5" Wall Sleeve for SpeediChannel™ Line Set Covers
	1/2 x 48 Inches, #10 Gauge Electrical Whip
	Nylog Blue Gasket, Flare and Thread Sealant
	Safety Non-Fused Electrical Disconnect
	5/8in Inner Diameter Drain Hose, 20ft Length
	Adapter 5/16" x 1/4" for Ductless Mini-Split Systems
	Remote controller



BMY1217 KIT25	12000 BTU 17.6 SEER2 208/230V Mini-Split Heat Pump Condenser
	12000 BTU 17.6 SEER2 208/230V Mini-Split Heat Pump Air Handler
	25 Foot 1/4 LL 3/8 SL Ductless Mini-Split Line Set
	35 Foot Stranded Ductless Mini-Split Communication Wire
	2.5" Wall Sleeve for SpeediChannel™ Line Set Covers
	1/2 x 48 Inches, #10 Gauge Electrical Whip
	Nylog Blue Gasket, Flare and Thread Sealant
	Safety Non-Fused Electrical Disconnect
	5/8in Inner Diameter Drain Hose, 20ft Length
	Adapter 5/16" x 1/4" for Ductless Mini-Split Systems
	Remote controller





## SUBMITTAL DATA SHEET

### Wall Mounted Heat Pump System

Location: \_\_\_\_\_  
Engineer: \_\_\_\_\_  
Submitted to: \_\_\_\_\_  
Submitted by: \_\_\_\_\_  
Reference: \_\_\_\_\_

Approval: \_\_\_\_\_  
Date: \_\_\_\_\_  
Construction: \_\_\_\_\_  
Unit #: \_\_\_\_\_  
Drawing #: \_\_\_\_\_

**Set Model**  
15 Ft Kit model  
25 Ft Kit model

BMY1217  
BMY1217 KIT15  
BMY1217 KIT25

#### Certified

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)	9.0
Max.fuse(Outdoor)	(A)	15.0
Connection wiring		14#x4

#### Cooling

Capacity	(Btu/h)	12000(3610~12500)
Power Input	(W)	1365(306~1510)
Current	(A)	5.92(1.3~6.6)
SEER2	(Btu/W)	17.6
EER2	(Btu/W)	8.8

#### Heating

Capacity	(Btu/h)	12000(3810~13000)
Power Input	(W)	1212(310~1268)
Current	(A)	5.27(1.34~5.6)
HSPF2-4	(Btu/W)	8.8

COP	W/W	2.90
Heat at 17F(AHRI RATING)	(Btu/h)	8300
Heat at 5F(AHRI RATING)	(Btu/h)	7100
COP at 5F(AHRI RATING)	W/W	2.10

### REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	Capillary
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	25.75
Refrigerant precharge	(ft)	25.0
Additional charge for each ft	(oz/ft)	0.16
Liquid side/ Gas side(indoor)	(inch)	1/4"/3/8"
Liquid side/ Gas side(outdoor)	(inch)	1/4"/3/8"
Max. pipe length	(ft)	82.0
Max. difference in level	(ft)	32.8
Connection method		Flared
Indoor(cooling)	(Deg. °F)	62~90
Indoor(heating)	(Deg. °F)	32~86
Outdoor(cooling)	(Deg. °F)	5~122
Outdoor(heating)	(Deg. °F)	5~75

### INDOOR UNIT DATA

#### Indoor fan motor

Model		YKFG-20-4-10L
Qty		1
Input	(W)	47.4
Output	(W)	20.0
RLA	(A)	0.3

#### Air flow & Noise level

Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	352.94/317.65/241.18/176.47
Indoor noise level (Hi/Med/Lo)	[dB(A)]	41.5/34.5/25.5

#### Dehumidification

	(L/H)	1.43
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#### Indoor unit

Dimension (WxDxH)	(inch)	31.69x7.64x11.22
Packing(WxDxH)	(inch)	34.25x10.63x14.37
Net/Gross weight	(lbs.)	17.20/22.05

### OUTDOOR UNIT DATA

#### Compressor

Type		ROTARY
Model		KSK103D33UEZ3
Brand		GMCC
Capacity	(Btu/h)	11106
Input	(W)	826
Rated current (RLA)	(A)	6.47
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 310

#### Outdoor fan motor

Model		ZKFN-20-8-1
Qty		1
Input	(W)	/
Output	(W)	20
RLA	(A)	0.5

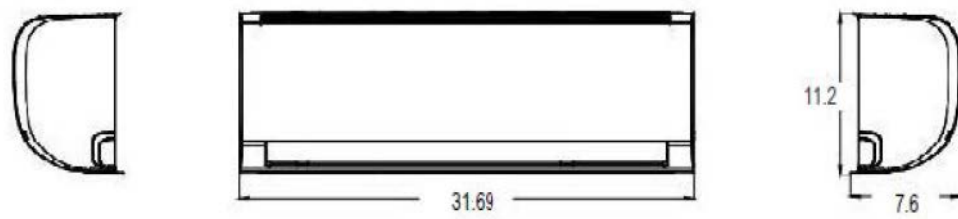
#### Air flow & Noise level

Outdoor air flow (Max.)	(CFM)	1059
Outdoor noise level	[dB(A)]	54.5

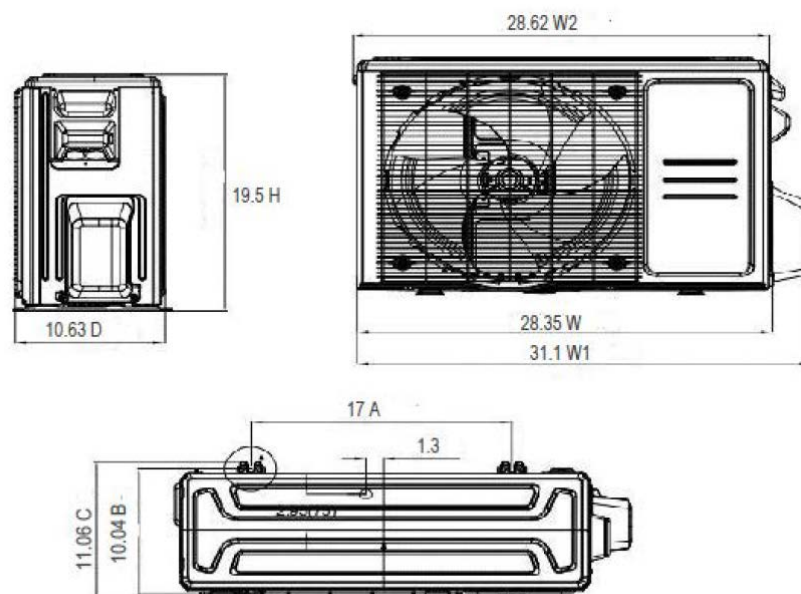
#### Outdoor unit

Dimension (WxDxH)	(inch)	28.35x10.63x19.49
Packing (WxDxH)	(inch)	32.87x11.81x21.26
Net/ Gross weight	(lbs.)	52.91/56.44

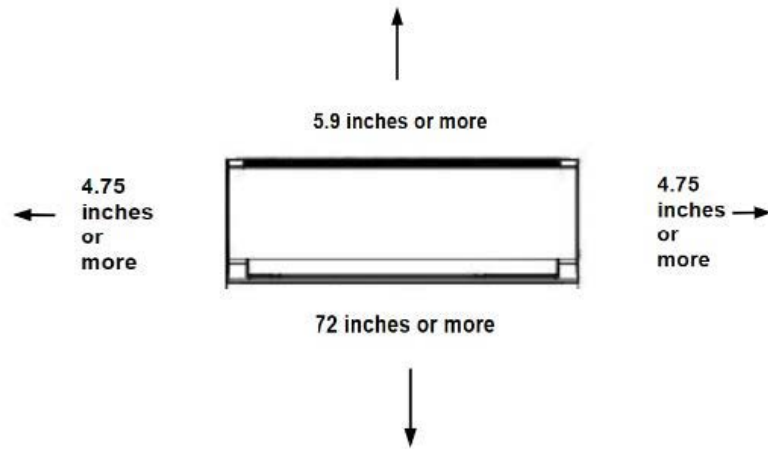
Indoor unit dimension (Inches)



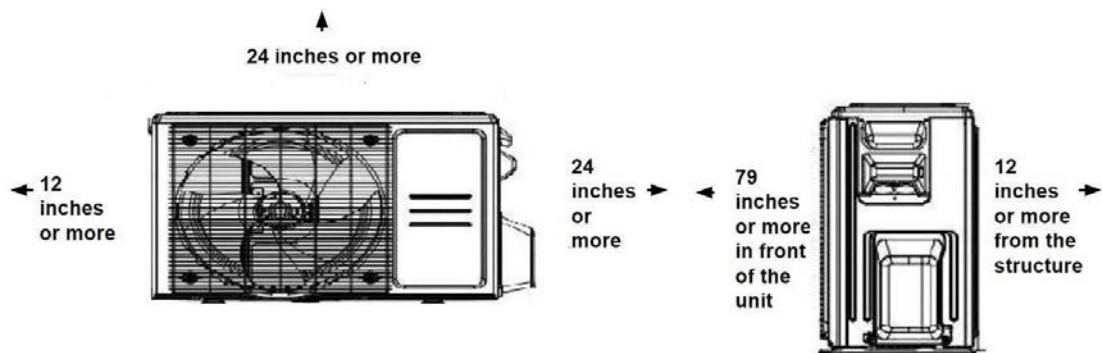
Outdoor unit dimension (Inches)



Indoor unit clearance (Inches)



Outdoor unit clearance (Inches)



COOLING PERFORMANCE DATA

Model	Cooling																
	Indoor Conditions DB		5°F	17°F	25°F	35°F	47°F	55°F	65°F	75°F	80°F	85°F	95°F	105°F	110°F	115°F	122°F
BMY1217WM BMY1217C Wall mounted (208-230V)	65°F	TC	10215	10422	10281	10286	10139	10164	10351	10536	10816	10743	10794	10126	9725	9086	8105
		Input	644	709	749	786	822	844	914	932	1005	1184	1518	1478	1513	1557	1520
	70°F	TC	10719	10856	10891	10942	10684	10766	10965	11185	11313	11356	11471	10648	10151	9595	8522
		Input	644	708	754	792	829	842	911	940	989	1178	1526	1481	1491	1550	1534
	75°F	TC	11283	11356	11393	11398	11366	11393	11494	11736	11884	11879	11986	11304	10799	10079	8924
		Input	637	700	745	788	838	854	899	941	981	1178	1507	1509	1508	1558	1521
	80°F	TC	11877	12017	12068	12126	11952	12056	12163	12276	12392	12452	12525	11849	11272	10499	9463
		Input	636	703	742	793	837	868	901	937	971	1422	1512	1490	1481	1536	1541

HEATING PERFORMANCE DATA

Model	Heating													
	Indoor Conditions DB		5°F	10°F	17°F	20°F	25°F	32°F	35°F	40°F	47°F	50°F	57°F	
BMY1217WM BMY1217C Wall mounted (208-230V)	60°F	TC	7616	8586	9569	10233	10875	11389	12138	13189	14387	14654	14961	
		Input	951	993	1038	1038	1045	1057	1081	1143	1197	1174	1148	
	65°F	TC	7394	8344	9281	9897	10507	11090	11762	12854	13914	14283	14497	
		Input	974	1017	1059	1064	1074	1087	1111	1176	1232	1202	1178	
	70°F	TC	7151	8093	9055	9627	10211	10819	11464	12480	13456	13800	14129	
		Input	1000	1040	1086	1094	1106	1120	1138	1209	1268	1239	1204	
	75°F	TC	6901	7770	8675	9242	9833	10430	10959	12018	12972	13317	13536	
		Input	1029	1074	1113	1125	1134	1155	1173	1246	1303	1270	1246	

LEGEND

- DB --- Dry Bulb (Air Tempurature without considering Humidity)
- TC --- Total Net Capacity 1000 Btu/hour (Actualy Capacity + Dehumidifing Capacity)
- Input --- Total Power (W)

# Certificate of Product Ratings

AHRI Certified Reference Number : 207826687    Date : 02-28-2024    Model Status : Active

AHRI Type : HRCU-A-CB-O (Mini-Split Heat Pump, with Remote Outdoor Unit Air-Source, Free Delivery)

Outdoor Unit Brand Name : BLUERIDGE

Outdoor Unit Model Number : BMY1217C

Indoor Type : Mini-Splits (Non-Ducted)

Indoor Model Number(s) : BMY1217WM

Rated as follows in accordance with the latest edition of AHRI 210/240 - 2017 with Addendum 1, Performance Rating of Unitary Air-Conditioning & Air-Source Heat Pump Equipment and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (A2) - Single or High Stage (95F), btuh : 12000

SEER : 16.80

EER (A2) - Single or High Stage (95F) : 8.80

Heating Capacity (H12) - Single or High Stage (47F) : 12000

HSPF (Region IV) : 9.40

Rated as follows in accordance with the latest edition of AHRI 210/240 – 2023, Performance Rating of Unitary Air-Conditioning & Air-Source Heat Pump Equipment and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (A<sub>Full</sub>) – Single or High Stage (95F), btuh : 12000

SEER2 : 17.60

EER2 (A<sub>Full</sub>) – Single or High Stage (95F) : 8.80

Heating Capacity (H1<sub>Full</sub>) – Single or High Stage (47F), btuh : 12000

HSPF2 (Region IV) : 8.80

Sold in? : USA, Canada

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Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

The Department of Energy has published updated energy efficiency metrics for central air conditioners and heat pumps. This publication reflects both the 1987 metric (SEER) and the 2023 metric (SEER2). Efficiency requirements are published at 10 C.F.R. 430.32(c). Please refer to [www.AHRI.net.org](http://www.AHRI.net.org) for more information about updated energy efficiency metrics.

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