



BMX917 Specifications and Certifications



Models

BMX917C	9000 BTU 17 SEER2 115V Mini-Split Heat Pump Condenser
BMX917WM	9000 BTU 17 SEER2 115V Mini-Split Heat Pump Air Handler
BMX917	9000 BTU 17 SEER2 115V Mini-Split Heat Pump System
BMX917 KIT15	9000 BTU 17 SEER2 115V Mini-Split Heat Pump W/ 15 Ft Installation Kit
BMX917 KIT25	9000 BTU 17 SEER2 115V Mini-Split Heat Pump W/ 25 Ft Installation Kit

What's in the Box

Mini-Split System

BMX917	9000 BTU 17 SEER2 115V Mini-Split Heat Pump Condenser
	9000 BTU 17 SEER2 115V Mini-Split Heat Pump Air Handler
	Remote Controller



Mini-Split System with Installation Kit

BMX917 KIT15	9000 BTU 17 SEER2 115V Mini-Split Heat Pump Condenser
	9000 BTU 17 SEER2 115V 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



BMX917 KIT25	9000 BTU 17 SEER2 115V Mini-Split Heat Pump Condenser
	9000 BTU 17 SEER2 115V 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 BMX917
25 Ft Kit model BMX917 KIT15
BMX917 KIT25

Certified

AHRI

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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)	16.0
Max.fuse(Outdoor)	(A)	25.0
Connection wiring		14#x4

Cooling

Capacity	(Btu/h)	9000(2700~10400)
Power Input	(W)	890(360~1145)
Current	(A)	7.5(3.15~12.19)
SEER2	(Btu/W)	17.0
EER2	(Btu/W)	10.1

Heating

Capacity	(Btu/h)	9800(4800~12000)
Power Input	(W)	1025(420~1210)
Current	(A)	8.9(3.65~12.9)
HSPF2-4	(Btu/W)	9.0

COP	W/W	2.80
Heat at 17F(AHRI RATING)	(Btu/h)	7200
Heat at 5F(AHRI RATING)	(Btu/h)	6400
COP at 5F(AHRI RATING)	W/W	1.88

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	Capillary
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	20.46
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-15-4-28-1
Qty		1
Input	(W)	46.0
Output	(W)	15.0
RLA	(A)	0.4

Air flow & Noise level

Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	294.12/264.71/211.76/158.82
Indoor noise level (Hi/Med/Lo)	[dB(A)]	39.5/33.5/26

Dehumidification

	(L/H)	0.98
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Indoor unit

Dimension (WxDxH)	(inch)	28.15x7.64x11.22
Packing(WxDxH)	(inch)	30.71x10.63x14.37
Net/Gross weight	(lbs.)	15.87/20.50

OUTDOOR UNIT DATA

Compressor

Type		ROTARY
Model		KSK103D33UEZ3
Brand		GMCC
Capacity	(Btu/h)	11106
Input	(W)	826
Rated current (RLA)	(A)	11.67
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)	0.7

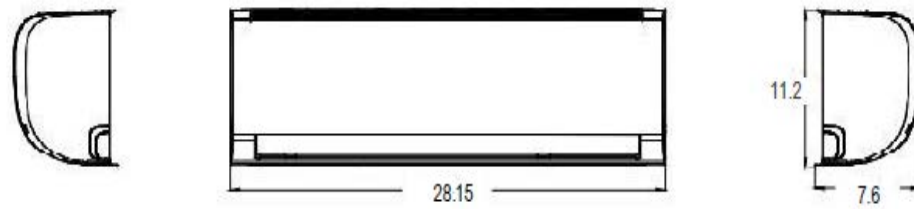
Air flow & Noise level

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

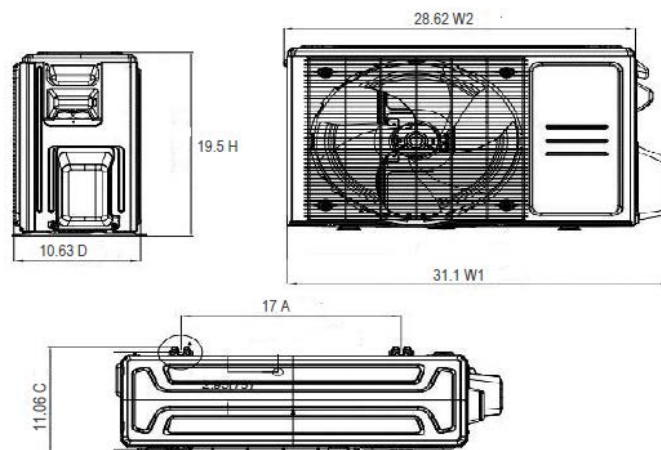
Outdoor unit

Dimension (WxDxH)	(inch)	28.35x10.63x19.49
Packing (WxDxH)	(inch)	32.87x11.81x21.26
Net/ Gross weight	(lbs.)	54.67/58.42

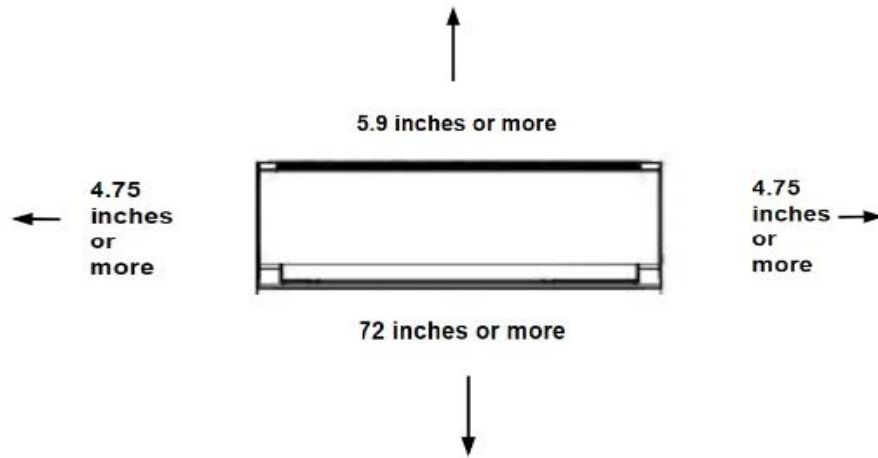
Indoor unit dimension (Inches)



Outdoor unit dimension (Inches)

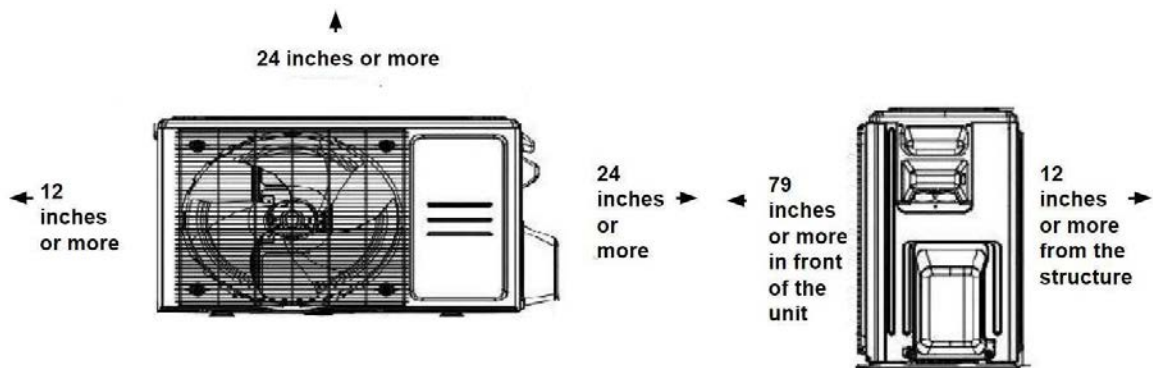


Indoor unit clearance (Inches)



Outdoor unit clearance (Inches)

Recommended Clearances



COOLING PERFORMANCE DATA

Model	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
BMX917WM BMX917C Wall mounted (115V)	65°F	TC	9363	9547	9461	9196	9258	9440	9378	9638	9376	8991	8157	7843	7341	6837	6012
		Input	481	490	487	469	482	528	565	623	667	776	844	881	854	889	882
	70°F	TC	9856	9955	9907	9741	9725	9875	9841	10081	9974	9465	8631	8213	7801	7167	6355
		Input	477	483	480	476	479	527	569	618	678	774	857	879	861	883	887
	75°F	TC	10485	10512	10331	10319	10216	10319	10359	10590	10555	9963	9134	8691	8194	7529	6655
		Input	477	489	476	476	477	528	570	623	684	766	869	875	861	880	878
	80°F	TC	10979	11112	10943	10805	10686	10816	10950	11089	11228	10411	9625	9168	8662	7925	7013
		Input	479	492	483	476	478	521	567	623	693	834	877	870	859	875	881

HEATING PERFORMANCE DATA

Model	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
BMX917WM BMX917C Wall mounted (115V)	60°F	TC	6908	7920	8778	9248	9578	9939	10311	10802	11126	11256	11671
		Input	899	985	1032	1050	1044	1059	1061	968	874	852	828
	65°F	TC	6675	7704	8547	8987	9299	9678	10030	10456	10771	10971	11353
		Input	924	1008	1064	1074	1077	1080	1090	992	899	876	852
	70°F	TC	6499	7502	8338	8700	9073	9423	9785	10103	10447	10703	10969
		Input	951	1040	1095	1101	1107	1113	1118	1018	921	896	874
	75°F	TC	6265	7194	8030	8369	8701	9037	9413	9699	10050	10264	10520
		Input	976	1072	1122	1137	1139	1141	1153	1049	944	925	905

LEGEND
DB --- Dry Bulb (Air Temperature without considering humidity)
TC --- Total Net Capacity 1000 Btu/hour (Actual Capacity + Dehumidifying Capacity)
Input --- Total Power (W)

Certificate of Product Ratings

AHRI Certified Reference Number : 207826684 Date : 03-19-2024 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 : BMX917C

Indoor Type : Mini-Splits (Non-Ducted)

Indoor Model Number(s) : BMX917WM

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 : 9000

SEER : 16.50

EER (A2) - Single or High Stage (95F) : 10.10

Heating Capacity (H12) - Single or High Stage (47F) : 9800

HSPF (Region IV) : 9.80

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_{Full}) – Single or High Stage (95F), btuh : 9000

SEER2 : 17.00

EER2 (A_{Full}) – Single or High Stage (95F) : 10.10

Heating Capacity (H1_{Full}) – Single or High Stage (47F), btuh : 9800

HSPF2 (Region IV) : 9.00

Sold in? : USA, Canada

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†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.

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 for more information about updated energy efficiency metrics.

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