



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

BMX1217	12000 BTU 17.4 SEER2 115V Mini-Split Heat Pump Condenser
	12000 BTU 17.4 SEER2 115V Mini-Split Heat Pump Air Handler
	Remote Controller



Mini-Split System with Installation Kit

BMX1217 KIT15	12000 BTU 17.4 SEER2 115V Mini-Split Heat Pump Condenser
	12000 BTU 17.4 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	



BMX1217 KIT25	12000 BTU 17.4 SEER2 115V Mini-Split Heat Pump Condenser
	12000 BTU 17.4 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	



Wall Mounted Heat Pump System	
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

Set Model	BMX1217
15 Ft Kit model	BMX1217 KIT15
25 Ft Kit model	BMX1217 KIT25
Certified	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)	17.0
Max.fuse(Outdoor)	(A)	25.0
Connection wiring		14#x4
Cooling		
Capacity	(Btu/h)	12000(3610~12200)
Power Input	(W)	1368(305~1376)
Current	(A)	11.89(2.6~12.5)
SEER2	(Btu/W)	17.4
EER2	(Btu/W)	8.8
Heating		
Capacity	(Btu/h)	12000(3680~12800)
Power Input	(W)	1245(0320~1190)
Current	(A)	10.54(2.75~12.8)
HSPF2-4	(Btu/W)	8.7
COP	W/W	2.82
Heat at 17F(AHRI RATING)	(Btu/h)	7600
Heat at 5F(AHRI RATING)	(Btu/h)	6500
COP at 5F(AHRI RATING)	W/W	2.04

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

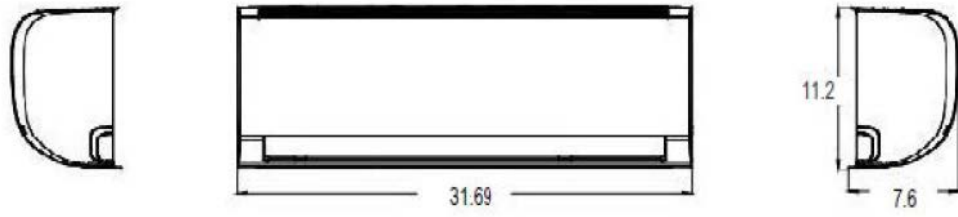
INDOOR UNIT DATA

Indoor fan motor		
Model		YKFG-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)	352.94/317.65/241.18/176.47
Indoor noise level (Hi/Med/Lo)	[dB(A)]	41/34.5/27.5
Dehumidification	(L/H)	1.55
Indoor unit		
Dimension (WxDxH)	(inch)	31.69x7.64x11.22
Packing(WxDxH)	(inch)	34.25x10.63x14.37
Net/Gross weight	(lbs.)	17.20/22.27

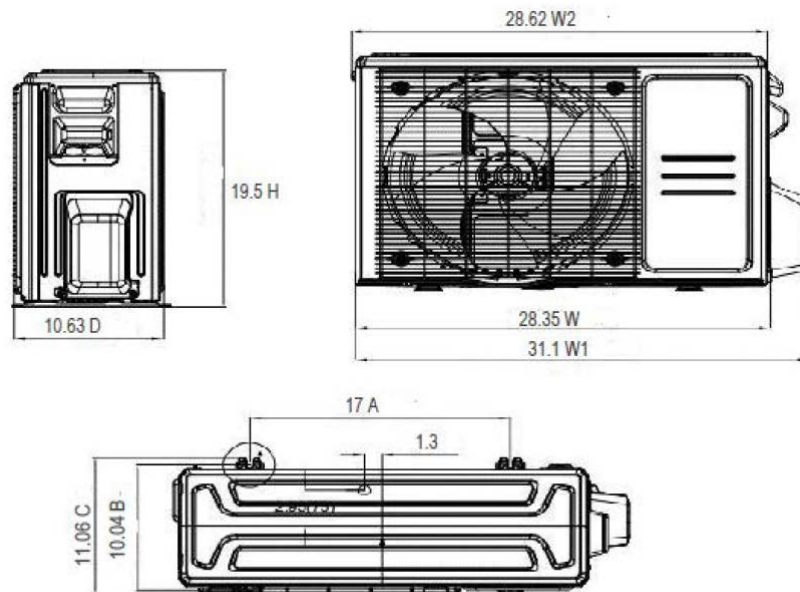
OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KSK103D33UEZ3
Brand		GMCC
Capacity	(Btu/h)	11106
Input	(W)	826
Rated current (RLA)	(A)	12.53
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)]	55.0
Outdoor unit		
Dimension (WxDxH)	(inch)	28.35x10.63x19.49
Packing (WxDxH)	(inch)	32.87x11.81x21.26
Net/ Gross weight	(lbs.)	55.11/58.86

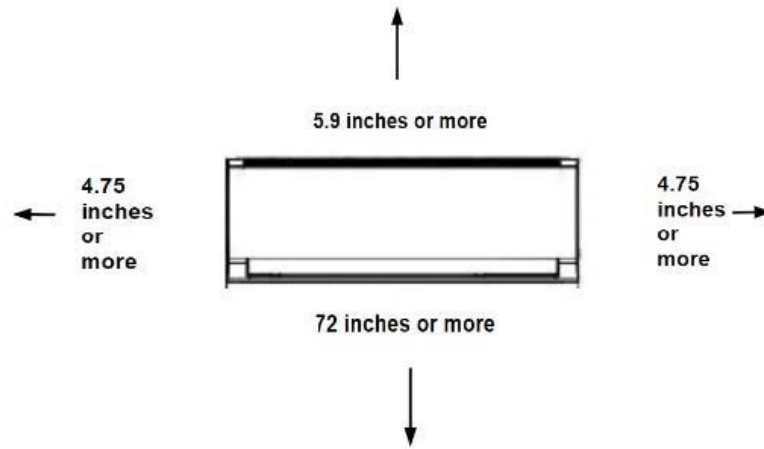
Indoor unit dimension (Inches)



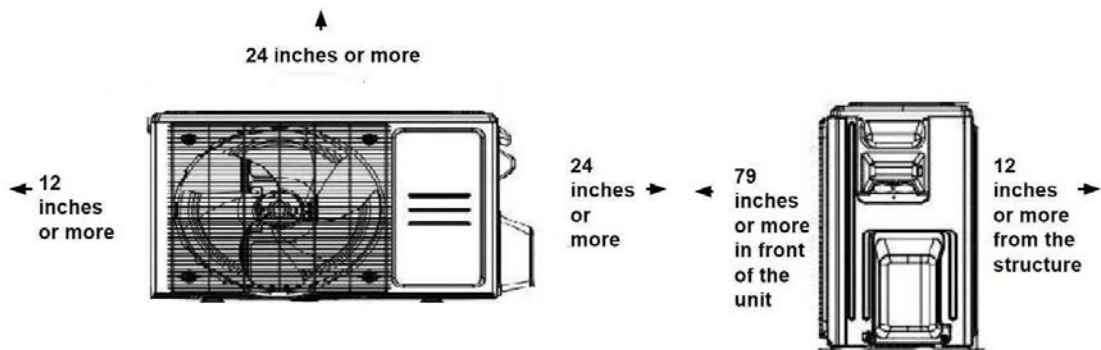
Outdoor unit dimension (Inches)



Indoor unit clearance (Inches)



Outdoor unit clearance (Inches)



COOLING PERFORMANCE DATA

Model	Cooling																
	Indoor Conditions DB		5F	17F	25F	35F	47F	55F	65F	75F	80F	85F	95F	105F	110F	115F	122F
BMX1217WM BMX1217C Wall mounted (115V)	65F	TC	10571	10235	10433	10528	10366	10364	10294	10602	10741	10496	10591	10019	9632	8753	7803
		Input	557	621	660	688	724	755	782	816	835	1064	1369	1364	1349	1399	1405
	70F	TC	11069	10842	11064	11082	10798	11014	10881	11208	11379	11155	11183	10602	10064	9128	8257
		Input	548	627	661	690	724	759	785	816	849	1077	1362	1371	1352	1375	1411
	75F	TC	11627	11522	11609	11678	11318	11630	11576	11847	12003	11804	11834	11172	10495	9700	8691
		Input	543	638	663	695	723	766	787	819	860	1072	1376	1364	1328	1376	1415
	80F	TC	12201	12167	12195	12228	11952	12127	12302	12484	12648	12517	12392	11735	11153	10265	9139
		Input	540	643	668	696	730	761	793	827	866	1290	1371	1351	1343	1376	1411

HEATING PERFORMANCE DATA

Model	Heating														
	Indoor Conditions DB		5F	10F	17F	20F	25F	32F	35F	40F	47F	50F	57F		
BMX1217WM BMX1217C Wall mounted (115V)	60F	TC	7583	8444	9424	9765	10309	10734	11091	12165	13307	13782	14081		
		Input	888	953	1007	1013	1016	1021	1029	1022	1037	1026	998		
	65F	TC	7333	8190	9105	9518	9999	10381	10820	11822	12944	13316	13671		
		Input	906	975	1037	1037	1046	1052	1057	1054	1069	1049	1018		
	70F	TC	7148	7943	8823	9232	9670	10079	10526	11511	12580	12903	13209		
		Input	932	997	1059	1064	1073	1076	1089	1084	1103	1077	1047		
	75F	TC	6876	7626	8470	8844	9283	9625	10062	11062	12064	12362	12654		
		Input	961	1023	1092	1095	1108	1109	1119	1114	1141	1110	1076		

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 : 207826685 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 : BMX1217C

Indoor Type : Mini-Splits (Non-Ducted)

Indoor Model Number(s) : BMX1217WM

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 : 16.50

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_{Full}) – Single or High Stage (95F), btuh : 12000

SEER2 : 17.40

EER2 (A_{Full}) – Single or High Stage (95F) : 8.80

Heating Capacity (H1_{Full}) – Single or High Stage (47F), btuh : 12000

HSPF2 (Region IV) : 8.70

Sold in? : USA, Canada

AHRI CERTIFIED®
www.ahridirectory.org

†'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.AHRInet.org for more information about updated energy efficiency metrics.

DISCLAIMER

AHRI does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed on this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the directory at www.ahridirectory.org.

TERMS AND CONDITIONS

This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced; copied; disseminated; entered into a computer database; or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at www.ahridirectory.org, click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom right.

©2024 Air-Conditioning, Heating, and Refrigeration Institute



we make life better™

CERTIFICATE NO.:

133536237997694727