



# BMX922 Specifications and Certifications



## Models

BMX922C	9000 BTU 21.5 SEER2 115V Minisplit Heat Pump Condenser
BMX922WM	9000 BTU 21.5 SEER2 115V Minisplit Heat Pump Air Handler
BMX922	9000 BTU 21.5 SEER2 115V Minisplit Heat Pump System
BMX922 KIT15	9000 BTU 21.5 SEER2 115V Minisplit Heat Pump W/ 15 Ft Installation Kit
BMX922 KIT25	9000 BTU 21.5 SEER2 115V Minisplit Heat Pump W/ 25 Ft Installation Kit

# What's in the Box

## Mini-Split System

<b>BMX922</b>	9000 BTU 21.5 SEER2 115V Mini-Split Heat Pump Condenser
	9000 BTU 21.5 SEER2 115V Mini-Split Heat Pump Air Handler
	Remote Controller



## Mini-Split System with Installation Kit

<b>BMX922 KIT15</b>	9000 BTU 21.5 SEER2 115V Mini-Split Heat Pump Condenser
	9000 BTU 21.5 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



<b>BMX922 KIT25</b>	9000 BTU 21.5 SEER2 115V Mini-Split Heat Pump Condenser
	9000 BTU 21.5 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**  
 15 Ft Kit Model                      BMX922  
    BMX922 KIT15  
 25 Ft Kit Model                      BMX922 KIT25

**Certified**

AHRI



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**SYSTEM PERFORMANCE DATA**

<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	115V,1Ph,60Hz
Voltage Range	(V)	103.5-126.5
<b>Electrical</b>		
Minimum circuit ampacity(Outdoor)	(A)	20.0
Max.fuse(Outdoor)	(A)	30.0
Connection wiring		14#x4
<b>Cooling</b>		
Capacity	(Btu/h)	9000(2650~10300)
Power Input	(W)	720(245~950)
Current	(A)	6.26(2.13~9.16)
SEER2	(Btu/W)	21.5
EER2	(Btu/W)	12.5
<b>Heating</b>		
Capacity	(Btu/h)	10000(2700~10500)
Power Input	(W)	900(220~1200)
Current	(A)	7.82(1.95~10.45)
HSPF2-4	(Btu/W)	9.1
COP	W/W	3.26
Heat at 17F(AHRI Rating)	(Btu/h)	6300
Heat at 5F(AHRI Rating)	(Btu/h)	7000
COP at 5F(AHRI Rating)	W/W	2.16

**REFRIGERANT PIPE DATA**

Throttle type	Indoor unit	N/A
	Outdoor unit	Capillary
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	25.40
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
Remote Control Temp Range(cooling)	(Deg. °F)	62 ~ 86
Remote Control Temp Range(heating)	(Deg. °F)	62 ~ 86
Outdoor(cooling)	(Deg. °F)	5~122
Outdoor(heating)	(Deg. °F)	5~75

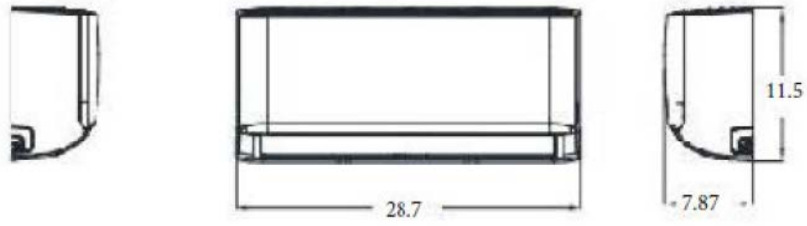
**INDOOR UNIT DATA**

<b>Indoor fan motor</b>		
Model		ZKFP-20-8-113
Qty		1
Input	(W)	35.0
Output	(W)	20.0
RLA	(A)	0.2
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Turbo/Hi/Med/Lo)	(CFM)	311.76/238.82/170.00/137.06
Indoor noise level (Hi/Med/Lo)	[dB(A)]	37.5/28/20
<b>Dehumidification</b>	(L/H)	0.891
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	28.70x7.87x11.50
Packing(WxDxH)	(inch)	31.10x10.63x14.76
Net/Gross weight	(lbs.)	17.64/22.71

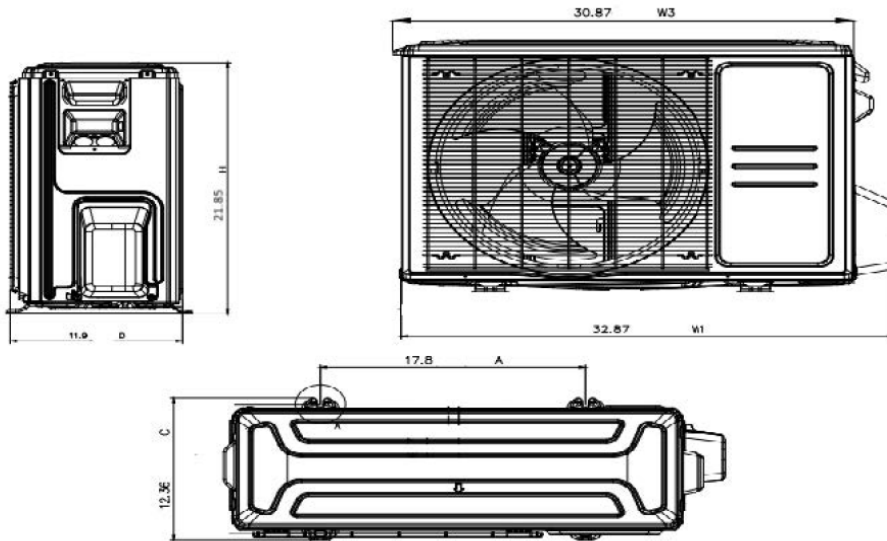
**OUTDOOR UNIT DATA**

<b>Compressor</b>		
Type		ROTARY
Model		KSK103D33UEZ3
Brand		GMCC
Capacity	(Btu/h)	11106
Input	(W)	826
Rated current (RLA)	(A)	14
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 310
<b>Outdoor fan motor</b>		
Model		ZKFN-34-10-1-3
Qty		1
Input	(W)	/
Output	(W)	34
RLA	(A)	0.3
Speed	(r/min)	800/600
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	1294
Outdoor noise level	[dB(A)]	55.0
<b>Outdoor unit</b>		
Dimension (W×D×H)	(inch)	30.12x11.93x21.85
Packing (W×D×H)	(inch)	34.92x13.27x24.02
Net/ Gross weight	(lbs.)	57.76/63.49

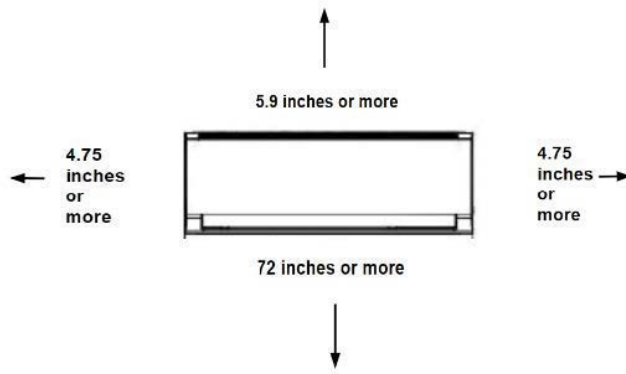
Indoor unit dimension (Inches)



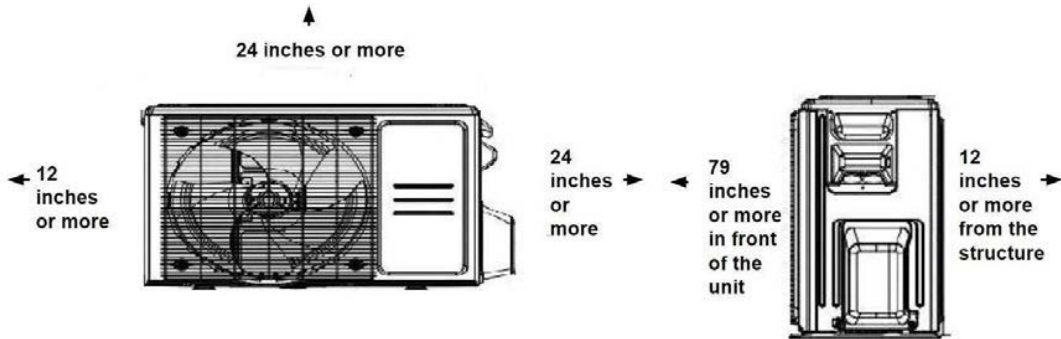
Outdoor unit dimension (Inches)



Indoor unit clearance (Inches)



Outdoor unit clearance (Inches)



**COOLING PERFORMANCE DATA**

Model	Cooling		5F	17F	25F	35F	47F	55F	65F	75F	80F	85F	95F	105F	110F	115F	122F
	Indoor Conditions DB																
BMX922WM BMX922C Wall Mounted (115V)	65F	TC	8924	9498	9755	10016	9730	9798	9167	9104	9231	8803	8552	7929	7810	7484	6861
		Input	477	512	532	542	556	570	585	600	660	766	928	904	942	1074	1160
	70F	TC	9463	9967	10290	10655	10200	10217	9680	9654	9656	9296	9002	8417	8178	7820	7284
		Input	479	514	536	551	558	570	582	611	658	775	934	914	945	1058	1160
	75F	TC	9972	10536	10719	11122	10782	10665	10297	10088	10059	9744	9436	8907	8654	8206	7611
		Input	479	518	528	546	560	571	592	604	645	764	930	923	958	1046	1155
	80F	TC	10474	10975	11283	11598	11385	11156	10932	10698	10478	10192	9901	9465	9109	8584	8003
		Input	479	513	526	541	556	573	594	614	639	878	924	929	951	1037	1097

**HEATING PERFORMANCE DATA**

Model	Heating		5F	10F	17F	20F	25F	32F	35F	40F	47F	50F	57F
	Indoor Conditions DB												
BMX922WM BMX922C Wall Mounted (115V)	60F	TC	6065	6915	7915	8217	8534	8771	9119	10146	11289	11828	12401
		Input	918	1019	1138	1099	1074	1051	1029	1080	1132	1176	1205
	65F	TC	5866	6727	7647	7978	8246	8541	8896	9899	10950	11472	12005
		Input	943	1044	1162	1128	1097	1081	1058	1111	1166	1209	1230
	70F	TC	5684	6525	7417	7738	8037	8332	8663	9657	10652	11160	11610
		Input	969	1073	1187	1157	1127	1103	1085	1143	1193	1234	1269
	75F	TC	5434	6250	7158	7397	7707	7958	8281	9261	10279	10725	11192
		Input	997	1104	1228	1198	1161	1136	1115	1179	1227	1273	1308

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 : 207826690    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)  
 Series Name : BM series  
 Outdoor Unit Brand Name : BLUERIDGE  
 Outdoor Unit Model Number : BMX922C  
 Indoor Type : Mini-Splits (Non-Ducted)  
 Indoor Model Number(s) : BMX922WM

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 : 21.50  
 EER (A2) - Single or High Stage (95F) : 12.50  
 Heating Capacity (H12) - Single or High Stage (47F) : 10000  
 HSPF (Region IV) : 10.30

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 : 9000  
 SEER2 : 21.50  
 EER2 (A<sub>Full</sub>) – Single or High Stage (95F) : 12.50  
 Heating Capacity (H1<sub>Full</sub>) – Single or High Stage (47F), btuh : 10000  
 HSPF2 (Region IV) : 9.10

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

\*This refers to the federal tax credit that may be known to consumers as "Inflation Reduction Act (IRA) of 2022 Tax Credit," "25C Tax Credit," or "Energy Efficient Home Improvement Credit." This is not intended to constitute tax or legal advice. Instead, it is for general informational purposes only. AHRI makes no representation or warranty, express or implied or assumes any legal liability or responsibility for the accuracy, completeness, any third party's use of, or the results of the use of potential eligibility for tax credit disclosed on the AHRI Directory of Certified Product Performance and AHRI Certificate of Product Ratings. Potential eligibility for tax credit may not constitute the most up to date information. AHRI is unable to advise or confirm tax credit eligibility. Individuals considering eligibility for the tax credit are advised to confirm eligibility with their equipment installers, tax attorneys or preparers.

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**CERTIFICATE NO.:** 133536251824157598



ENERGY STAR CERTIFIED

# Heat Pumps (Mini-Split)

: BMX922C

Specifications	
ENERGY STAR Unique ID:	2448913
Outdoor Unit Brand Name:	BLUERIDGE
Series Name:	BM series
Outdoor Unit Model Number:	BMX922C
Indoor Unit Model Number:	BMX922WM
Indoor Unit Brand Name:	BLUERIDGE
SEER2 (Btu/Wh):	21.5
Product Type:	HP - Mini or Multi Split
EER2 (Btu/Wh):	12.5
HSPF2 (Btu/Wh):	9.1
COP at 5°F:	2.16
Cooling Capacity (Btu/h):	9000
Heating Capacity at 47°F (Btu/h):	10000
Heating Capacity at 5°F (Btu/h):	7000
Cold Climate:	Yes
Connected Capable:	No
Meets Peak Cooling Requirements:	Yes
Tax Credit Eligible:	Yes
Refrigerant with GWP:	R-410A (GWP:2088)
ENERGY STAR Most Efficient:	Yes

Captured On:  
03/04/2024