



# BMY922 Specifications and Certifications



## Models

BMY922C	9000 BTU 21.7 SEER2 208/230V Minisplit Heat Pump Condenser
BMY922WM	9000 BTU 21.7 SEER2 208/230V Minisplit Heat Pump Air Handler
BMY922	9000 BTU 21.7 SEER2 208/230V Minisplit Heat Pump System
BMY922 KIT15	9000 BTU 21.7 SEER2 208/230V Minisplit Heat Pump W/ 15 Ft Installation Kit
BMY922 KIT25	9000 BTU 21.7 SEER2 208/230V Minisplit Heat Pump W/ 25 Ft Installation Kit

# What's in the Box

## Mini-Split System

<b>BMY922</b>	9000 BTU 21.7 SEER2 115V Mini-Split Heat Pump Condenser
	9000 BTU 21.7 SEER2 115V Mini-Split Heat Pump Air Handler
	Remote Controller



## Mini-Split System with Installation Kit

<b>BMY922 KIT15</b>	9000 BTU 21.7 SEER2 115V Mini-Split Heat Pump Condenser
	9000 BTU 21.7 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>BMY922 KIT25</b>	9000 BTU 21.7 SEER2 115V Mini-Split Heat Pump Condenser
	9000 BTU 21.7 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                      BMY922  
25 Ft Kit Model                      BMY922 KIT15  
   BMY922 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)                      12.0  
Max.fuse(Outdoor)                      (A)                      15.0  
Connection wiring                      14#x4

#### Cooling

Capacity                      (Btu/h)                      9000(2900~10500)  
Power Input                      (W)                      715(220~950)  
Current                      (A)                      3.11(0.96~4.13)  
SEER2                      (Btu/W)                      21.7  
EER2                      (Btu/W)                      12.6

#### Heating

Capacity                      (Btu/h)                      10000(2400~10500)  
Power Input                      (W)                      905(190~1160)  
Current                      (A)                      3.94(0.83~5.04)  
HSPF2-4                      (Btu/W)                      9.4

COP                      W/W                      3.24  
Heat at 17F(AHRI Rating)                      (Btu/h)                      6000  
Heat at 5F(AHRI Rating)                      (Btu/h)                      7000  
COP at 5F(AHRI Rating)                      W/W                      2.00

### 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

#### Indoor fan motor

Model	ZKFP-13-8-4
Qty	1
Input	(W) /
Output	(W) 13.0
RLA	(A) 0.2

#### Air flow & Noise level

Indoor air flow (Turbo/Hi/Med/Lo)	(CFM)	311.76/246.47/176.47/141.18
Indoor noise level (Hi/Med/Lo)	[dB(A)]	37/28/20

#### Dehumidification

	(L/H)	0.945
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#### Indoor unit

Dimension (WxDxH)	(inch)	28.70x7.87x11.50
Packing(WxDxH)	(inch)	31.10x10.63x14.76
Net/Gross weight	(lbs.)	17.64/22.49

### OUTDOOR UNIT DATA

#### Compressor

Type	ROTARY
Model	KSK103D33UEZ3
Brand	GMCC
Capacity	(Btu/h) 11106
Input	(W) 826
Rated current (RLA)	(A) 7
Refrigerant oil/oil charge	(ml) ESTER OIL VG74 310

#### Outdoor fan motor

Model	ZKFN-34-10-1-3
Qty	1
Input	(W) /
Output	(W) 34
RLA	(A) 0.8

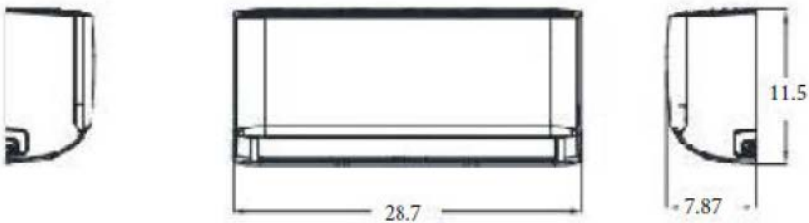
#### Air flow & Noise level

Outdoor air flow (Max.)	(CFM)	1294
Outdoor noise level	[dB(A)]	54.5

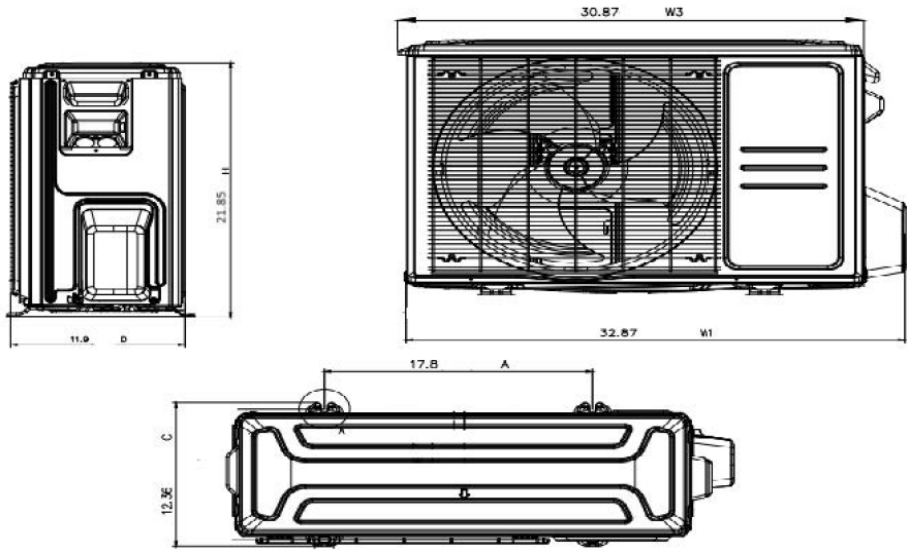
#### Outdoor unit

Dimension (WxDxH)	(inch)	30.12x11.93x21.85
Packing (WxDxH)	(inch)	34.92x13.27x24.02
Net/ Gross weight	(lbs.)	55.11/60.85

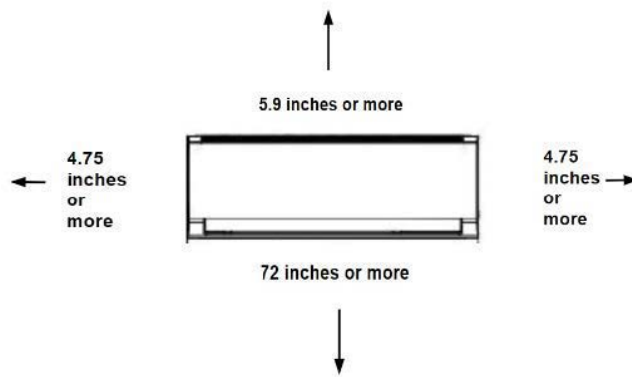
Indoor unit dimension



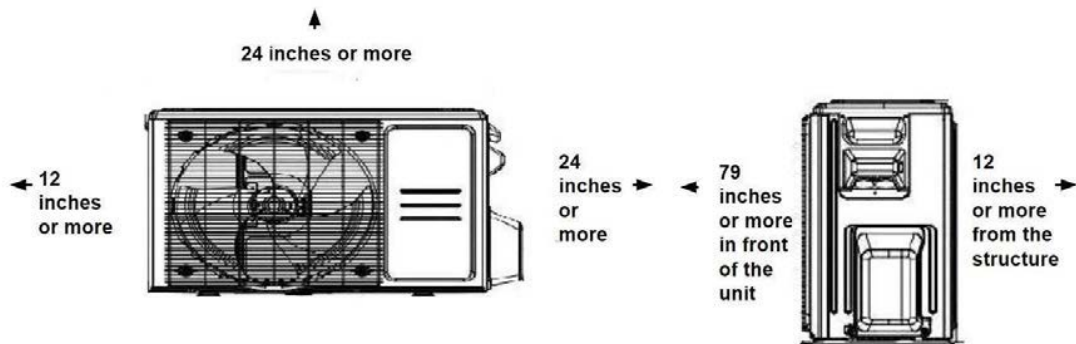
Outdoor unit dimension



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
BM Y922WM BM Y922C Wall Mounted (208-230V)	65F	TC	9419	9256	9982	10300	9921	9798	9631	9643	9693	9309	8620	8325	8040	7692	7282
		Input	480	498	543	573	564	603	626	707	791	831	906	949	973	1073	1226
	70F	TC	9894	9784	10463	10774	10532	10423	10245	10205	10139	9707	9170	8763	8401	8055	7665
		Input	480	504	546	576	570	608	639	703	792	831	923	940	974	1061	1236
	75F	TC	10448	10332	10911	11353	11028	11042	10842	10856	10730	10122	9562	9292	8862	8461	7985
		Input	482	501	545	581	569	616	645	718	789	830	913	943	975	1058	1211
	80F	TC	10952	10853	11365	11839	11658	11550	11448	11344	11235	10655	10140	9710	9329	8869	8343
		Input	478	502	542	581	571	610	653	708	777	870	917	934	965	1061	1097

**HEATING PERFORMANCE DATA**

Model	Heating			5F	10F	17F	20F	25F	32F	35F	40F	47F	50F	57F
	Indoor Conditions DB													
BM Y922WM BM Y922C Wall Mounted (208-230V)	60F	TC	6425	7195	8141	8669	9255	9738	10264	10878	11369	11921	12380	
		Input	921	950	1003	1002	1007	1007	1004	1058	1103	1148	1213	
	65F	TC	6214	7020	7919	8392	8977	9427	9937	10571	11059	11529	12066	
		Input	947	976	1023	1031	1036	1031	1035	1079	1127	1174	1238	
	70F	TC	6004	6789	7711	8187	8698	9170	9657	10224	10747	11183	11715	
		Input	969	1006	1053	1053	1059	1057	1060	1111	1156	1207	1269	
	75F	TC	5739	6517	7433	7893	8315	8849	9222	9835	10264	10691	11293	
		Input	999	1032	1084	1087	1090	1085	1088	1139	1186	1249	1303	

**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 : 207339173    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 : BMY922C  
 Indoor Type : Mini-Splits (Non-Ducted)  
 Indoor Model Number(s) : BMY922WM

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) : 12.60  
 Heating Capacity (H12) - Single or High Stage (47F) : 10000  
 HSPF (Region IV) : 10.00

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 : 21.70  
 EER2 (A<sub>Full</sub>) – Single or High Stage (95F) : 12.60  
 Heating Capacity (H1<sub>Full</sub>) – Single or High Stage (47F), btuh : 10000  
 HSPF2 (Region IV) : 9.40

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](http://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.:**

133536260780995999



ENERGY STAR CERTIFIED

## Heat Pumps (Mini-Split)

: BMY922C

### Specifications

ENERGY STAR Unique ID:	2448935
Outdoor Unit Brand Name:	BLUERIDGE
Series Name:	BM series
Outdoor Unit Model Number:	BMY922C
Indoor Unit Model Number:	BMY922WM
Indoor Unit Brand Name:	BLUERIDGE
SEER2 (Btu/Wh):	21.7
Product Type:	HP - Mini or Multi Split
EER2 (Btu/Wh):	12.6
HSPF2 (Btu/Wh):	9.4
COP at 5°F:	2.0
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