



# BMY12DIY22 Submittal Sheet



## Models

BMY12DIY22C	12000 BTU 22.5 SEER2 115V DIY Minisplit Heat Pump Condenser
BMY12DIY22WM	12000 BTU 22.5 SEER2 115V DIY Minisplit Heat Pump Air Handler
BMY12DIY2	12000 BTU 22.5 SEER2 115V DIY Minisplit Heat Pump System
BMY12DIY22 KIT25	12000 BTU 22.5 SEER2 115V DIY Minisplit Heat Pump W/ 25 Ft Installation Kit

# What's in the Box

## Mini-Split System

<b>BMY12DIY22</b>	12000 BTU 22.5 SEER2 115V Mini-Split Heat Pump Condenser
	12000 BTU 22.5 SEER2 115V Mini-Split Heat Pump Air Handler
	25 Foot 1/4 LL 1/2 SL Ductless Mini-Split Line Set
	25' Stranded Ductless Mini-Split Communication Wire - Non-Shielded (600 Volt)
	Wall Sleeve
	Remote Controller



## Mini-Split System with Installation Kit

<b>BMY12DIY22 KIT25</b>	12000 BTU 22.5 SEER2 115V Mini-Split Heat Pump Condenser
	12000 BTU 22.5 SEER2 115V Mini-Split Heat Pump Air Handler
	25 Foot 1/4 LL 1/2 SL Ductless Mini-Split Line Set
	25' Stranded Ductless Mini-Split Communication Wire - Non-Shielded (600 Volt)
	1/2 x 48 Inches, #10 Gauge Electrical Whip
	Safety Non-Fused Electrical Disconnect
	5/8in Inner Diameter Drain Hose, 20ft Length
	Wall Sleeve
	Remote controller





## SUBMITTAL DATA SHEET

### Wall Mounted Heat Pump System

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

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

**Set Model** BMY12DIY22  
25 Ft Kit Model BMY12DIY22 KIT25

#### Certified



### SYSTEM PERFORMANCE DATA

<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	115V,1Ph,60Hz
<b>Electrical</b>		
Minimum circuit ampacity(Outdoor)	(A)	19
Max.fuse(Outdoor)	(A)	25
Connection wiring		14#x4//
<b>Cooling</b>		
Capacity	(Btu/h)	12000(3900~12400)
Power Input	(W)	960(80~950)
Current	(A)	8.35(1~10.2)
SEER2	(Btu/W)	22.5
EER2	(Btu/W)	12.5
<b>Heating</b>		
Capacity	(Btu/h)	12000(5000~12300)
Power Input	(W)	1047(290~1200)
Current	(A)	9.11(3.2~12.9)
HSPF2-4	(Btu/W)	9.0
COP	W/W	3.36
Heat at 17F(AHRI Rating)	(Btu/h)	7500
Heat at 5F(AHRI Rating)	(Btu/h)	/
COP at 5F(AHRI Rating)	W/W	/

### REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	38.10
Refrigerant precharge	(ft)	25.0
Additional charge for each ft	(oz/ft)	0.16
Liquid side/ Gas side(indoor)	(inch)	1/4in/1/2in
Liquid side/ Gas side(outdoor)	(inch)	1/4in/1/2in
Max. pipe length	(ft)	82.02
Max. difference in level	(ft)	32.81
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)	-13~122
Outdoor(heating)	(Deg. °F)	-13~86

### INDOOR UNIT DATA

<b>Indoor fan motor</b>		
Model		ZKFP-20-8-113
Qty		1
Input	(W)	35
Output	(W)	
RLA	(A)	0.53
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	341.18/305.88/211.76/147.06
Indoor noise level (Hi/Med/Lo)	[dB(A)]	37/31/23.5
<b>Dehumidification</b>	(L/H)	/
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	31.57x7.44x11.69
Packing(WxDxH)	(inch)	36.02x16.34x13.98
Net/Gross weight	(lbs.)	24.03/34.17

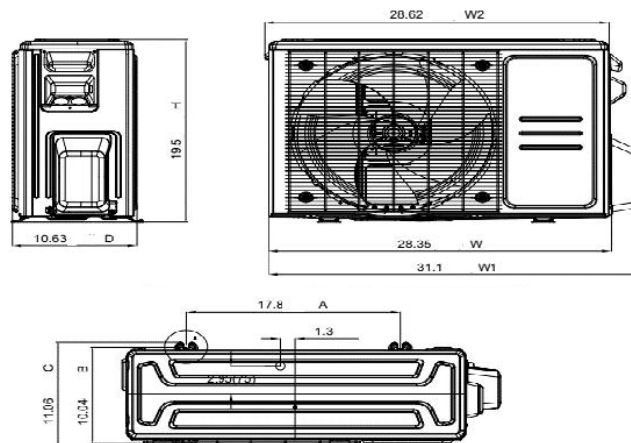
### OUTDOOR UNIT DATA

<b>Compressor</b>		
Type		ROTARY
Model		KSK103D33UEZ3
Brand		GMCC
Capacity	(W)	2035/3255
Input	(W)	325/826
Rated current (RLA)	(A)	11.7
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)	
RLA	(A)	0.8
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	1235.29
Outdoor noise level	[dB(A)]	53.5
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	30.12x11.93x21.85
Packing (WxDxH)	(inch)	34.92x13.27x24.02
Net/ Gross weight	(lbs.)	65.70/70.55

Indoor unit dimension (Inches)



Outdoor unit dimension (Inches)



# COOLING PERFORMANCE DATA

Model	Cooling																			
	Indoor Conditions																			
	DB																			
BMY12DIY22WM BMY12DIY22C	65°F	TC	9794	10586	10456	10686	10587	10899	10823	11553	11540	11395	11673	11477	11132	10608	10184	9979	9412	8795
		Input	693	742	757	750	772	800	803	870	887	906	979	965	1025	1094	1135	1188	1422	1712
	70°F	TC	10386	11073	11041	11272	11251	11546	11502	12264	12034	11957	12275	11955	11706	11262	10788	10427	9815	9336
		Input	691	742	753	755	773	797	809	877	881	907	981	956	1030	1093	1136	1185	1405	1714
	75°F	TC	10910	11570	11586	11866	11744	12141	12210	12869	12681	12639	12853	12611	12283	11780	11477	10953	10234	9766
		Input	691	734	744	763	763	794	809	871	878	907	966	960	1018	1081	1149	1179	1384	1689
	80°F	TC	11377	12103	12286	12477	12468	12713	12934	13406	13404	13404	13403	13402	12984	12532	12081	11529	10888	10173
		Input	689	736	751	767	777	794	811	861	888	916	947	980	1049	1084	1141	1188	1385	1235

# HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)													
	Indoor Conditions DB		-13ℱ	-4ℱ	0ℱ	5ℱ	10ℱ	17ℱ	20ℱ	25ℱ	32ℱ	35ℱ	40ℱ	47ℱ	50ℱ	57ℱ
BMY12DIY22WM BMY12DIY22C	60ℱ	TC	3943	5347	5961	6615	7547	8691	9219	9667	10060	10574	12198	13363	13951	14580
		Input	753	941	901	871	908	951	957	966	974	976	1093	1174	1211	1255
	65ℱ	TC	3843	5197	5810	6391	7292	8454	8960	9385	9720	10256	11808	13012	13597	14155
		Input	771	965	927	894	932	976	985	990	998	1006	1119	1203	1244	1286
	70ℱ	TC	3749	5036	5662	6175	7114	8216	8657	9068	9483	9928	11409	12620	13188	13756
		Input	795	986	948	919	951	1000	1007	1015	1018	1028	1142	1228	1276	1325
	75ℱ	TC	3607	4834	5413	5947	6801	7903	8319	8750	9123	9511	10907	12179	12648	13137
		Input	822	1016	975	945	977	1025	1038	1043	1053	1059	1175	1264	1316	1359

# 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 : 207339179    Date : 02-29-2024    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 : BMY12DIY22C  
 Indoor Type : Mini-Splits (Non-Ducted)  
 Indoor Model Number(s) : BMY12DIY22WM

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 : 22.00  
 EER (A2) - Single or High Stage (95F) : 12.50  
 Heating Capacity (H12) - Single or High Stage (47F) : 12000  
 HSPF (Region IV) : 11.50

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 : 22.50  
 EER2 (A<sub>Full</sub>) – Single or High Stage (95F) : 12.50  
 Heating Capacity (H1<sub>Full</sub>) – Single or High Stage (47F), btuh : 12000  
 HSPF2 (Region IV) : 9.00

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.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.:**

133536920901385023



ENERGY STAR CERTIFIED

## Heat Pumps (Mini-Split)

: BMY12DIY22C

### Specifications

ENERGY STAR Unique ID:	2449012
Outdoor Unit Brand Name:	BLUERIDGE
Series Name:	BM series
Outdoor Unit Model Number:	BMY12DIY22C
Indoor Unit Model Number:	BMY12DIY22WM
Indoor Unit Brand Name:	BLUERIDGE
SEER2 (Btu/Wh):	22.5
Product Type:	HP - Mini or Multi Split
EER2 (Btu/Wh):	12.5
HSPF2 (Btu/Wh):	9.0
Cooling Capacity (Btu/h):	12000
Heating Capacity at 47°F (Btu/h):	12000
Cold Climate:	No
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