



# BMY18DIY22 Submittal Sheet



## Models

BMY18DIY22C	18000 BTU 22.7 SEER2 208/230V DIY Minisplit Heat Pump Condenser
BMY18DIY22WM	18000 BTU 22.7 SEER2 208/230V DIY Minisplit Heat Pump Air Handler
BMY18DIY22	18000 BTU 22.7 SEER2 208/230V DIY Minisplit Heat Pump System
BMY18DIY22 KIT25	18000 BTU 22.7 SEER2 208/230V DIY Minisplit Heat Pump W/ 25 Ft Installation Kit

# What's in the Box

## Mini-Split System

<b>BMY18DIY22</b>	18000 BTU 22.7 SEER2 208-230V Mini-Split Heat Pump Condenser
	18000 BTU 22.7 SEER2 208-230V 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>BMY18DIY22 KIT25</b>	18000 BTU 22.7 SEER2 208-230V Mini-Split Heat Pump Condenser
	18000 BTU 22.7 SEER2 208-230V 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** BMY18DIY22  
25 Ft Kit Model BMY18DIY22 KIT25

#### Certified



### SYSTEM PERFORMANCE DATA

<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
<b>Electrical</b>		
Minimum circuit ampacity (Outdoor)	(A)	18
Max. fuse (Outdoor)	(A)	30
Connection wiring		14#x4//
<b>Cooling</b>		
Capacity	(Btu/h)	18000(7250~18660)
Power Input	(W)	1440(600~1700)
Current	(A)	6.4(2.6~7.5)
SEER2	(Btu/W)	22.7
EER2	(Btu/W)	12.6
<b>Heating</b>		
Capacity	(Btu/h)	18000(6690~21200)
Power Input	(W)	1410(570~1964)
Current	(A)	6.2(2.5~9)
HSPF2-4	(Btu/W)	9.8
COP	W/W	3.74
Heat at 17F(AHRI Rating)	(Btu/h)	11900
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+Throttle valve
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	56.44
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)	98.42
Max. difference in level	(ft)	65.62
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

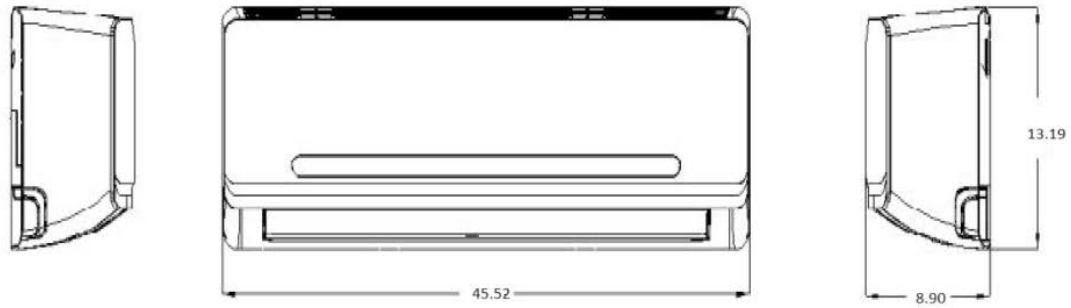
### INDOOR UNIT DATA

<b>Indoor fan motor</b>		
Model		ZKFP-58-8-1-5
Qty		1
Input	(W)	58
Output	(W)	
RLA	(A)	0.25
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	694.12/465.29/361.76/304.12
Indoor noise level (Hi/Med/Lo)	[dB(A)]	44.5/37/31
<b>Dehumidification</b>		
	(L/H)	/
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	42.52x8.90x13.19
Packing(WxDxH)	(inch)	49.09x19.57x17.32
Net/Gross weight	(lbs.)	34.61/56.00

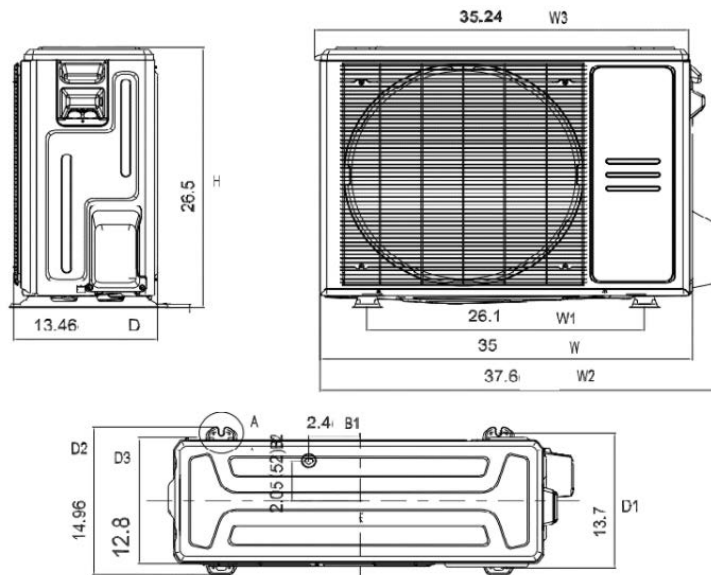
### OUTDOOR UNIT DATA

<b>Compressor</b>		
Type		ROTARY
Model		KSN140D58UFZ
Brand		GMCC
Capacity	(W)	4315
Input	(W)	1090
Rated current (RLA)	(A)	12
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 440
<b>Outdoor fan motor</b>		
Model		ZKFN-80-8-3
Qty		1
Input	(W)	/
Output	(W)	
RLA	(A)	0.76
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	1764.71
Outdoor noise level	[dB(A)]	58.5
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	35.04x13.46x26.50
Packing (WxDxH)	(inch)	39.17x15.67x29.13
Net/ Gross weight	(lbs.)	94.36/100.97

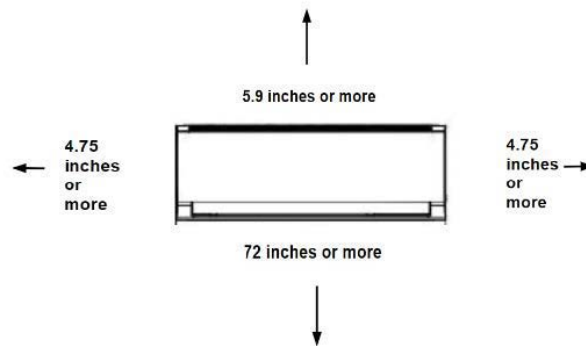
# Indoor unit dimension (Inches)



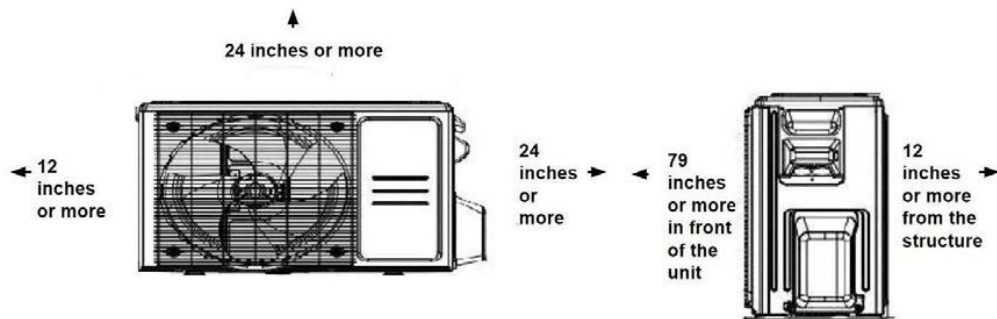
# Outdoor unit dimension (Inches)



Indoor unit clearance (Inches)



Outdoor unit clearance (Inches)



COOLING PERFORMANCE DATA

Model	Cooling																			
	Indoor Conditions		-13°F	-4°F	0°F	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
		DB																		
BMY18DIY22WM BMY18DIY22C	65°F	TC	15575	16298	16582	17097	17437	17239	17149	17423	17767	17820	18202	18327	17448	15650	15209	14597	14202	13149
		Input	666	706	718	762	882	907	922	935	1003	1069	1136	1228	1440	1635	1656	1627	1800	1863
	70°F	TC	16552	17320	17400	17903	18432	18127	17957	18437	18644	18719	19201	19151	18231	16596	15976	15381	15013	13827
		Input	675	720	709	751	880	897	910	938	1011	1074	1151	1216	1425	1634	1660	1646	1788	1857
	75°F	TC	17296	18117	18471	18885	19301	19101	19104	19225	19770	19746	20361	20330	19011	17618	16852	16157	15721	14524
		Input	677	708	715	754	871	891	910	931	1012	1065	1159	1215	1408	1653	1658	1651	1777	1861
	80°F	TC	18361	18991	19546	20091	20211	20213	20216	20323	20637	20939	21254	21582	20224	18663	17909	17170	16461	15288
		Input	686	701	727	755	860	887	920	930	994	1067	1150	1235	1585	1676	1677	1678	1769	1849

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)															
				-13F	-4F	0F	5F	10F	17F	20F	25F	32F	35F	40F	47F	50F	57F	
BMY18DIY22WM BMY18DIY22C	60F	TC		6746	8802	10740	12518	13947	15263	15738	16340	17072	17542	20273	23049	23598	24337	
		Input		1233	1362	1447	1448	1572	1679	1656	1647	1627	1613	1709	1774	1802	1802	
	65F	TC		6531	8545	10468	12130	13541	14804	15340	15941	16607	17114	19721	22269	22911	23674	
		Input		1266	1390	1481	1486	1610	1716	1695	1687	1674	1663	1762	1816	1841	1856	
	70F	TC		6322	8304	10203	11788	13108	14429	14965	15552	16139	16665	19128	21642	22330	22940	
		Input		1296	1432	1521	1521	1650	1770	1748	1738	1726	1708	1798	1871	1890	1896	
	75F	TC		6050	8014	9815	11293	12571	13837	14307	14992	15574	15981	18287	20819	21437	22046	
		Input		1338	1482	1567	1563	1699	1814	1804	1783	1774	1766	1849	1921	1950	1950	

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 : 207339180    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 : BMY18DIY22C  
 Indoor Type : Mini-Splits (Non-Ducted)  
 Indoor Model Number(s) : BMY18DIY22WM

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 : 18000  
 SEER : 22.00  
 EER (A2) - Single or High Stage (95F) : 12.50  
 Heating Capacity (H12) - Single or High Stage (47F) : 18000  
 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 : 18000  
 SEER2 : 22.70  
 EER2 (A<sub>Full</sub>) – Single or High Stage (95F) : 12.60  
 Heating Capacity (H1<sub>Full</sub>) – Single or High Stage (47F), btuh : 18000  
 HSPF2 (Region IV) : 9.80

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.:**

133536926001471811



ENERGY STAR CERTIFIED

## Heat Pumps (Mini-Split)

: BMY18DIY22C

### Specifications

ENERGY STAR Unique ID:	2449016
Outdoor Unit Brand Name:	BLUERIDGE
Series Name:	BM series
Outdoor Unit Model Number:	BMY18DIY22C
Indoor Unit Model Number:	BMY18DIY22WM
Indoor Unit Brand Name:	BLUERIDGE
SEER2 (Btu/Wh):	22.7
Product Type:	HP - Mini or Multi Split
EER2 (Btu/Wh):	12.6
HSPF2 (Btu/Wh):	9.8
Cooling Capacity (Btu/h):	18000
Heating Capacity at 47°F (Btu/h):	18000
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