



# BMY6HH22CC2 Specifications and Certifications



## Models

BMY6HH27C	6000 BTU 22 SEER2 208/230V Minisplit Heat Pump Condenser
BMM6CC2	6000 BTU 22 SEER2 208/230V Minisplit Heat Pump Air Handler
BMY6HH22CC2	6000 BTU 22 SEER2 208/230V Minisplit Heat Pump System
BMY6HH22CC2 KIT15	6000 BTU 22 SEER2 208/230V Minisplit Heat Pump W/ 15 Ft Installation Kit
BMY6HH22CC2 KIT25	6000 BTU 22 SEER2 208/230V Minisplit Heat Pump W/ 25 Ft Installation Kit

# What's in the Box

## Mini-Split System

### BMY6HH22CC2

6000 BTU 22 SEER2 208/230V Minisplit Heat Pump Condenser

6000 BTU 22 SEER2 208/230V Minisplit Heat Pump Air Handler

Remote Controller

Wired Controller



## Mini-Split System with Installation Kit

### BMY6HH22CC2 KIT15

6000 BTU 22 SEER2 208/230V Minisplit Heat Pump Condenser

6000 BTU 22 SEER2 208/230V Minisplit 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

Adapter 5/16" x 1/4" for Ductless Mini-Split Systems

Remote controller

Wired Controller



### BMY6HH22CC2 KIT25

6000 BTU 22 SEER2 208/230V Minisplit Heat Pump Condenser

6000 BTU 22 SEER2 208/230V Minisplit 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

Adapter 5/16" x 1/4" for Ductless Mini-Split Systems

Remote controller

Wired Controller



## SUBMITTAL DATA SHEET

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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Set Model BMY6HH22CC2  
 15 Ft Kit Model BMY6HH22CC2 KIT15  
 25 Ft Kit Model BMY6HH22CC2 KIT25

**Certified**

 AHRI 



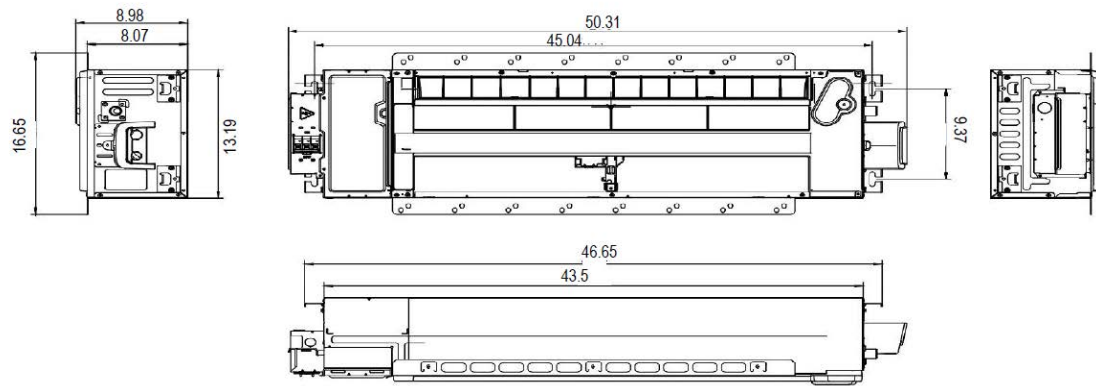




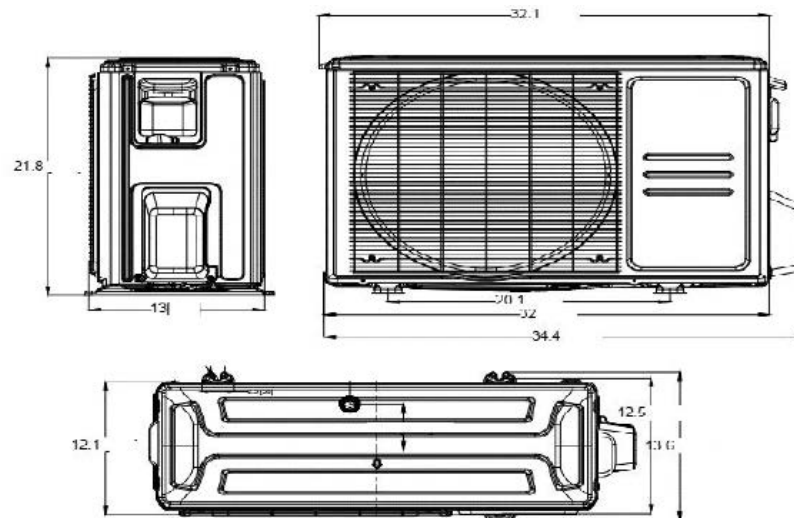
SYSTEM PERFORMANCE DATA			
<b>Power supply</b>			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
<b>Electrical</b>			
Minimum circuit ampacity	(A)	13.0	
Max.fuse	(A)	15.0	
Connection wiring		14*4 AWG	
<b>Cooling</b>			
Rated Capacity	(Btu/h)	6500(3600~11200)	
Capacity Range	(Btu/h)	6500(3600~11200)	
Power Input	(W)	448(155~975)	
Rated current	(A)	3(1.18~4.33)	
SEER2	(Btu/W)	22.0	
EER2	(Btu/W)	14.5	
<b>Heating</b>			
Rated Capacity	(Btu/h)	7100(3700~12500)	
Capacity Range	(Btu/h)	7100(3700~12500)	
Power Input	(W)	555(290~1097)	
Rated current	(A)	4.33(1.44~4.87)	
HSPF4	(Btu/W)	10.6	
COP	W/W	3.75	
Heat at 17F (AHRI Rating)	(Btu/h)	10000	
Heat at 5F (AHRI Rating)	(Btu/h)	7500	
COP at 5F (AHRI Rating)	W/W	2.3	
REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	N/A	
	Outdoor unit	EXV	
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/38.1ozs	
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/heating)	(Deg. °F)	60~90/32~86	
Outdoor(cooling/heating)	(Deg. °F)	-22~122/ -22~75	

INDOOR UNIT DATA			
<b>Indoor fan motor</b>			
Type		Centrifugal	
Model		ZKFN-30-8-43	
Qty		1	
Input	(W)	/	
Output	(W)	30.0	
RLA	(A)	0.8	
<b>Air flow &amp; Noise level</b>			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	294.12/258.82/235.29	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	37.5/35.5/32.5	
<b>Dehumidification</b>			
	(Pint/H)		
<b>Indoor unit</b>			
Dimension (WxDxH)	(inch)	50.31x13.19x8.98	
Packing(WxDxH)	(inch)	57.60x22.48x22.64	
Net/Gross weight	(lbs.)	43.87/81.35	
OUTDOOR UNIT DATA			
<b>Compressor</b>			
Type		ROTARY	
Model		KSK103D33UEZ3	
Brand		GMCC	
Capacity	(Btu/h)	11106	
Input	(W)	826	
Rated current (RLA)	(A)	6.4	
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 310	
<b>Outdoor fan motor</b>			
Model		ZKFN-34-10-1	
Qty		1	
Input	(W)	/	
Output	(W)	34	
RLA	(A)	0.40	
<b>Air flow &amp; Noise level</b>			
Outdoor air flow (Max.)	(CFM)	1294	
Outdoor noise level	[dB(A)]	2200	
<b>Outdoor unit</b>			
Dimension (WxDxH)	(inch)	30.12x11.93x21.85	
Packing (WxDxH)	(inch)	34.92x13.27x24.02	
Net/ Gross weight	(lbs.)	63.71/69.00	

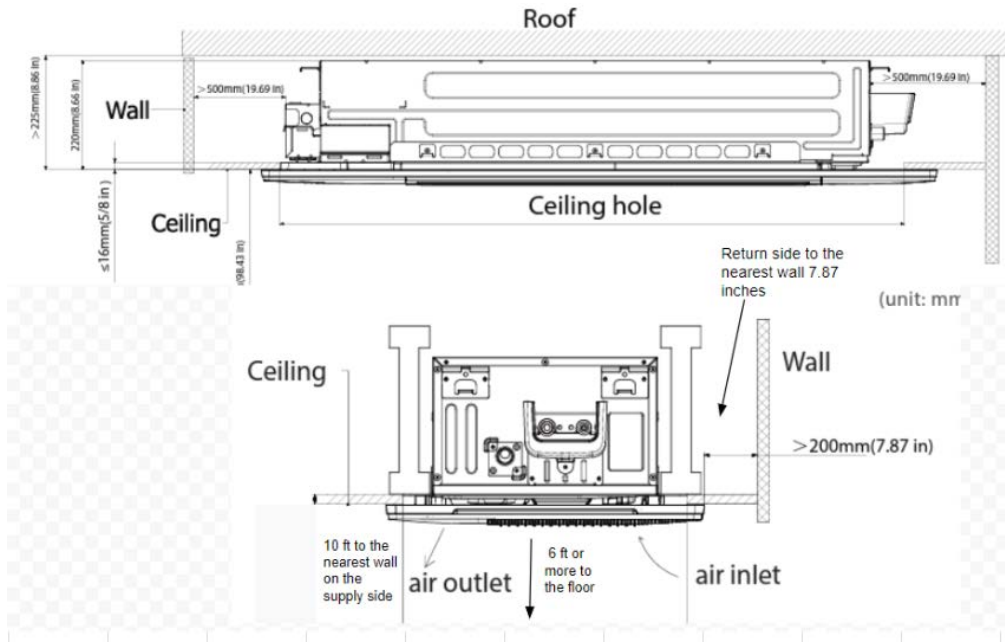
# Indoor Unit Dimension



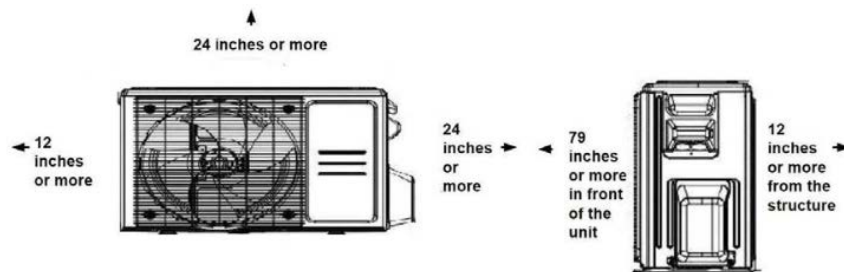
# Outdoor Unit Dimension



# Indoor Unit Clearance (Inches)



# Outdoor Unit Clearance (Inches)



**COOLING PERFORMANCE DATA**

YS Model	Cooling		Outdoor conditions (DB)																		
	Indoor DB		-22F	-13F	-4F	0F	5F	17F	25F	35F	47F	55F	65F	75F	80F	85F	95F	105F	110F	115F	122F
BMM6CC2 BMY6HH27C Wall mounted (208-230V)	65F	TC	8233	8919	9349	9469	9748	10022	10205	10796	10929	10692	10907	10897	11151	10895	11031	10324	9966	8932	7575
		Input	321	368	395	395	405	552	638	741	830	817	859	887	945	936	1004	1008	1018	1083	1080
	70F	TC	8630	9398	9841	9895	10197	10461	10857	11246	11553	11350	11361	11568	11676	11468	11636	10936	10435	9462	8050
		Input	322	371	393	390	405	549	640	726	842	831	859	902	930	938	1003	1012	1014	1078	1088
	75F	TC	9152	9831	10337	10394	10813	11059	11464	11964	12110	11960	11959	12216	12239	12161	12275	11524	10916	9950	8465
		Input	322	367	390	393	412	555	638	736	836	839	860	899	916	950	999	1012	1005	1086	1076
	80F	TC	9563	10283	10824	11045	11276	11532	12068	12593	12641	12683	12723	12765	12803	12869	12934	12182	11382	10408	8996
		Input	322	362	386	398	412	553	636	735	823	844	867	891	916	957	1008	1013	1005	1077	1092

**HEATING PERFORMANCE DATA**

YS Model	Heating		Outdoor conditions (DB)														
	Indoor Conditions DB		-22°F	-13°F	-4°F	0°F	5°F	10°F	17°F	20°F	F	32°F	5°F	40°F	47°F	50°F	57°F
BMM6CC2 BMY6HH27C Wall mounted (208-230V)	60°F	TC	3957	5556	7693	8336	8902	9366	9879	10420	11163	11819	12518	10097	7758	7819	7602
		Input	782	849	921	984	1047	1074	1108	1120	1132	1143	1172	749	476	445	427
	65°F	TC	3834	5410	7476	8078	8660	9075	9563	10146	10859	11475	12212	9851	7568	7555	7417
		Input	799	869	948	1008	1069	1100	1136	1151	1160	1175	1198	765	490	458	437
	70°F	TC	3719	5227	7244	7858	8424	8845	9266	9899	10512	11151	11822	9573	7369	7299	7222
		Input	816	895	968	1037	1099	1134	1172	1183	1191	1206	1223	786	502	471	446
	75°F	TC	3574	5039	6947	7567	8061	8456	8868	9473	10050	10649	11314	9171	7111	7022	6940
		Input	839	925	993	1063	1135	1162	1202	1223	1229	1240	1257	810	515	483	457

**LEGEND**

DB --- Dry Bulb

TC --- Total Net Capacity (1000 Btu/hour)

Input --- Total Power (kW)



# Certificate of Product Ratings

AHRI Certified Reference Number : 209550307    Date : 09-20-2022    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 : BMY6HH27C

Indoor Type : Mini-Splits (Non-Ducted)

Indoor Model Number(s) : BMM6CC2

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 : 6500

SEER : 22.00

EER (A2) - Single or High Stage (95F) : 14.50

Heating Capacity (H12) - Single or High Stage (47F) : 7100

HSPF (Region IV) : 10.60

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 : 6500

SEER2 : 22.00

EER2 (A<sub>Full</sub>) – Single or High Stage (95F) : 14.50

Heating Capacity (H1<sub>Full</sub>) – Single or High Stage (47F), btuh : 7100

HSPF2 (Region IV) : 10.80

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.AHRI.net.org](http://www.AHRI.net.org) for more information about updated energy efficiency metrics.

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**CERTIFICATE NO.:**

13308180344495378



ENERGY STAR CERTIFIED

## Heat Pumps (Mini-Split)

: BMY6HH27C

### Specifications

ENERGY STAR Unique ID:	2449004
Outdoor Unit Brand Name:	BLUERIDGE
Series Name:	BM series
Outdoor Unit Model Number:	BMY6HH27C
Indoor Unit Model Number:	BMM6CC2
Indoor Unit Brand Name:	BLUERIDGE
SEER2 (Btu/Wh):	22.0
Product Type:	HP - Mini or Multi Split
EER2 (Btu/Wh):	14.5
HSPF2 (Btu/Wh):	10.8
COP at 5°F:	2.0
Cooling Capacity (Btu/h):	6500
Heating Capacity at 47°F (Btu/h):	7100
Heating Capacity at 5°F (Btu/h):	8000
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:	No

Captured On:  
04/10/2023