



BMY12HH22CC2 Specifications and Certifications



Models

BMY12HH26C	12000 BTU 22 SEER2 208/230V Minisplit Heat Pump Condenser
BMM12CC2	12000 BTU 22 SEER2 208/230V Minisplit Heat Pump Air Handler
BMY12HH22CC2	12000 BTU 22 SEER2 208/230V Minisplit Heat Pump System
BMY12HH22CC2 KIT15	12000 BTU 22 SEER2 208/230V Minisplit Heat Pump W/ 15 Ft Installation Kit
BMY12HH22CC2 KIT25	12000 BTU 22 SEER2 208/230V Minisplit Heat Pump W/ 25 Ft Installation Kit

What's in the Box

Mini-Split System

BMY12HH22CC2

12000 BTU 22 SEER2 208/230V Minisplit Heat Pump Condenser
12000 BTU 22 SEER2 208/230V Minisplit Heat Pump Air Handler
Remote Controller
Wired Controller



Mini-Split System with Installation Kit

BMY12HH22CC2 KIT15

12000 BTU 22 SEER2 208/230V Minisplit Heat Pump Condenser
12000 BTU 22 SEER2 208/230V Minisplit Heat Pump Air Handler
15 Foot 1/4 LL 1/2 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



BMY12HH22CC2 KIT25

12000 BTU 22 SEER2 208/230V Minisplit Heat Pump Condenser
12000 BTU 22 SEER2 208/230V Minisplit Heat Pump Air Handler
25 Foot 1/4 LL 1/2 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

AHU Heat Pump System

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

Set Model BMY12HH22CC2
 15 Ft Kit Model BMY12HH22CC2 KIT15
 25 Ft Kit Model BMY12HH22CC2 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	(A)	15.0
Max.fuse	(A)	15.0
Connection wiring		14*4 AWG
Cooling		
Rated Capacity	(Btu/h)	12000(4000~14100)
Capacity Range	(Btu/h)	12000(4000~14100)
Power Input	(W)	923(147~1257)
Rated current	(A)	4.17(1.17~5.54)
SEER2	(Btu/W)	22.0
EER2	(Btu/W)	13.0
Heating		
Rated Capacity	(Btu/h)	12500(4600~15000)
Capacity Range	(Btu/h)	12500(4600~15000)
Power Input	(W)	1150(362~1500)
Rated current	(A)	4.85(1.73~6.59)
HSPF4	(Btu/W)	11.3
COP	W/W	3.19
Heat at 17F (AHRI Rating)	(Btu/h)	11500
Heat at 5F (AHRI Rating)	(Btu/h)	11000
COP at 5F (AHRI Rating)	W/W	1.8

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/41.62ozs
Refrigerant precharge	(ft)	25.0
Additional charge for each ft	(oz/ft)	0.16
Liquid side/ Gas side(indoor)	(inch)	1/4" / 1/2"
Liquid side/ Gas side(outdoor)	(inch)	1/4" / 1/2"
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

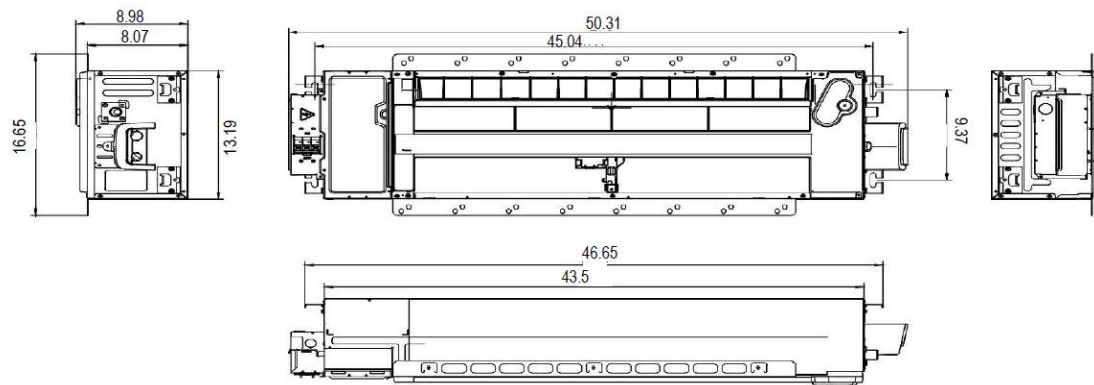
INDOOR UNIT DATA

Indoor fan motor		
Type		Centrifugal
Model		ZKFN-30-8-43
Qty		1
Input	(W)	/
Output	(W)	30.0
RLA	(A)	1.0
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	311.76/282.35/247.06
Indoor noise level (Hi/Med/Lo)	[dB(A)]	38.5/37/32.5
Dehumidification		
	(Pint/H)	
Indoor unit		
Dimension (WxDxH)	(inch)	50.31x13.19x8.98
Packing(WxDxH)	(inch)	57.60x22.48x22.64
Net/Gross weight	(lbs.)	45.19/82.89

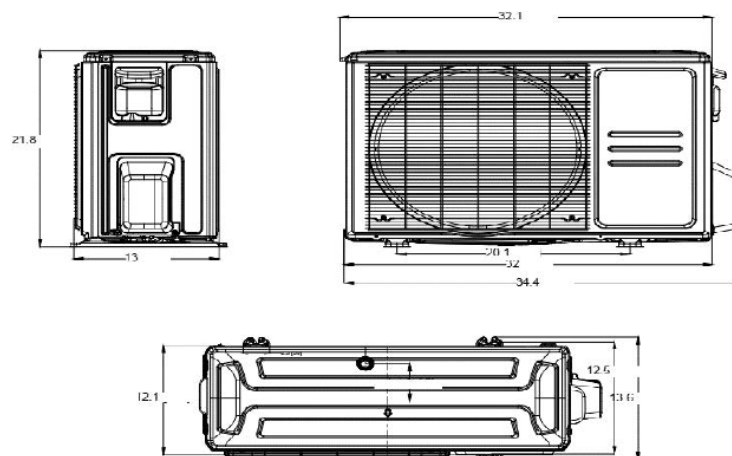
OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KTN110D42UFZ
Brand		GMCC
Capacity	(Btu/h)	11823
Input	(W)	885
Rated current (RLA)	(A)	8.8
Refrigerant oil/oil charge	(ml)	VG74/350
Outdoor fan motor		
Model		ZKFN-34-10-1
Qty		1
Input	(W)	/
Output	(W)	34
RLA	(A)	0.36
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	1324
Outdoor noise level	[dB(A)]	2250
Outdoor unit		
Dimension (W×D×H)	(inch)	31.69x12.99x21.81
Packing (W×D×H)	(inch)	36.02x14.57x24.21
Net/ Gross weight	(lbs.)	73.63/79.37

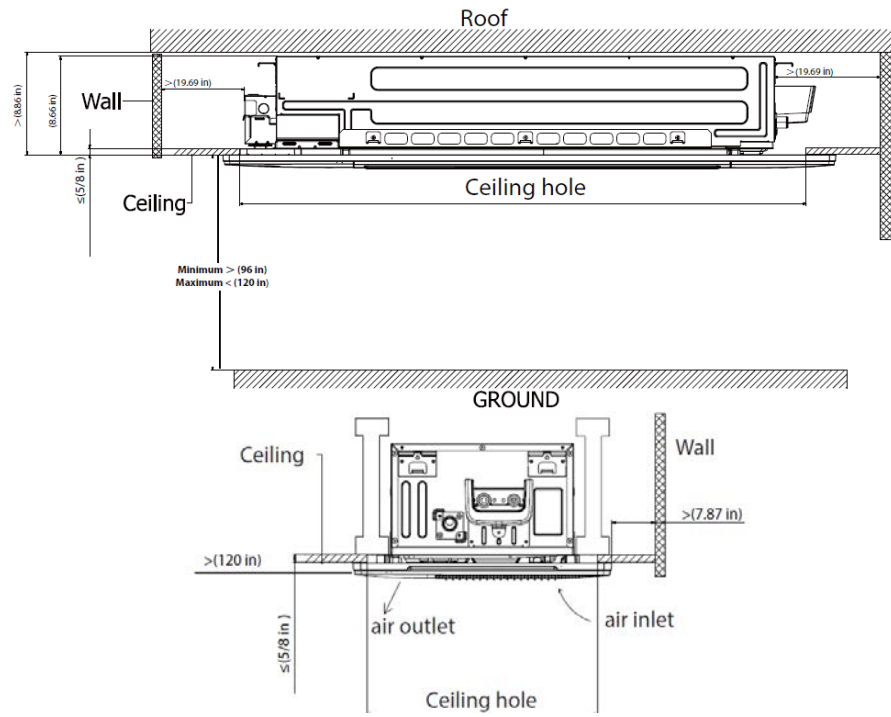
Indoor Unit Dimension



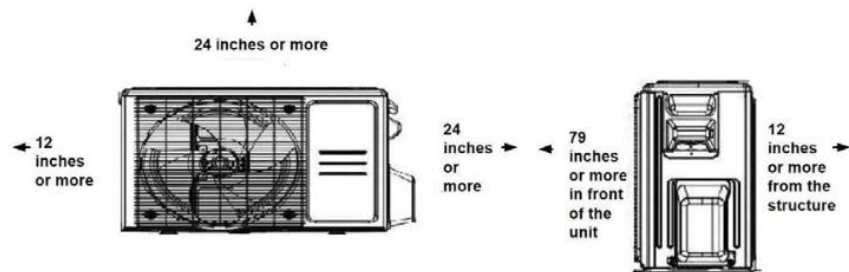
Outdoor Unit Dimension



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
BMM12CC2 BMY12HH26C Wall mounted (208-230V)	65F	TC	9318	10127	10383	10483	10570	10946	11259	11463	11745	11839	11898	11771	12053	11944	12269	11478	11007	9922	8750
		Input	375	442	489	507	530	596	626	667	684	721	769	800	861	1018	1254	1212	1200	1250	1250
	70F	TC	9778	10604	10930	11152	11233	11450	11789	11880	12415	12555	12445	12443	12781	12520	12901	12032	11514	10346	9125
		Input	373	436	491	516	539	597	629	661	688	731	758	799	867	1003	1257	1212	1205	1249	1233
	75F	TC	10402	11080	11433	11777	11912	12091	12371	12559	12960	13160	13128	13139	13369	13263	13523	12705	12133	10925	9707
		Input	375	437	484	512	541	600	623	663	683	729	759	809	867	1012	1254	1223	1218	1247	1245
	80F	TC	10836	11651	12137	12306	12512	12768	13022	13248	13628	13709	13790	13874	13956	14050	14146	13502	12731	11622	10261
		Input	372	438	487	511	541	602	629	660	678	715	761	809	867	1175	1247	1235	1222	1255	1248

HEATING PERFORMANCE DATA

YS Model	Heating		Outdoor conditions (DB)														
	Indoor Conditions DB		-22F	-13F	-4F	0F	5F	10F	17F	20F	F	32F	5F	40F	47F	50F	57F
BMM12CC2 BMY12HH26C Wall mounted (208-230V)	60F	TC	7847	9152	10218	11453	12743	13369	13951	14536	15037	15387	16025	16317	16612	17085	17392
		Input	1525	1657	1671	1735	1849	1821	1833	1803	1812	1807	1802	1613	1470	1416	1355
	65F	TC	7596	8868	9920	11087	12371	13017	13492	14085	14543	15011	15543	15781	16144	16539	16902
		Input	1556	1703	1705	1772	1893	1871	1871	1859	1863	1856	1854	1663	1514	1450	1391
	70F	TC	7339	8635	9594	10753	12035	12589	13112	13609	14106	14603	15120	15381	15613	15980	16393
		Input	1597	1740	1751	1827	1934	1927	1921	1912	1903	1897	1900	1713	1549	1483	1435
	75F	TC	7009	8246	9220	10312	11553	12149	12614	13051	13598	14062	14575	14689	15035	15356	15754
		Input	1650	1790	1812	1885	1992	1993	1988	1966	1964	1958	1966	1759	1595	1520	1472

LEGEND
DB --- Dry Bulb
TC --- Total Net Capacity (1000 Btu/hour)
Input --- Total Power (kW)



Certificate of Product Ratings

AHRI Certified Reference Number : 209550309 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 : BMY12HH26C

Indoor Type : Mini-Splits (Non-Ducted)

Indoor Model Number(s) : BMM12CC2

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) : 13.00

Heating Capacity (H12) - Single or High Stage (47F) : 12500

HSPF (Region IV) : 11.30

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_{Full}) – Single or High Stage (95F), btuh : 12000

SEER2 : 23.00

EER2 (A_{Full}) – Single or High Stage (95F) : 13.00

Heating Capacity (H1_{Full}) – Single or High Stage (47F), btuh : 12500

HSPF2 (Region IV) : 10.00

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 for more information about updated energy efficiency metrics.

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CERTIFICATE NO.:

133081808153723265



ENERGY STAR CERTIFIED

Heat Pumps (Mini-Split)

: BMY12HH26C

Specifications

ENERGY STAR Unique ID:	2448792
Outdoor Unit Brand Name:	BLUERIDGE
Series Name:	BM series
Outdoor Unit Model Number:	BMY12HH26C
Indoor Unit Model Number:	BMM12CC2
Indoor Unit Brand Name:	BLUERIDGE
SEER2 (Btu/Wh):	23.0
Product Type:	HP - Mini or Multi Split
EER2 (Btu/Wh):	13.0
HSPF2 (Btu/Wh):	10.0
COP at 5°F:	1.8
Cooling Capacity (Btu/h):	12000
Heating Capacity at 47°F (Btu/h):	12500
Heating Capacity at 5°F (Btu/h):	11000
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