



BMY18HH20CD Specifications and Certifications



Models

BMY18HH20C	18000 BTU 18 SEER2 208/230V Minisplit Heat Pump Condenser
BM18MCD	18000 BTU 18 SEER2 208/230V Minisplit Heat Pump Air Handler
BMY18HH20CD	18000 BTU 18 SEER2 208/230V Minisplit Heat Pump System
BMY18HH20CD KIT15	18000 BTU 18 SEER2 208/230V Minisplit Heat Pump W/ 15 Ft Installation Kit
BMY18HH20CD KIT25	18000 BTU 18 SEER2 208/230V Minisplit Heat Pump W/ 25 Ft Installation Kit

What's in the Box

Mini-Split System

BMY18HH20CD

18000 BTU 18 SEER2 208/230V Minisplit Heat Pump Condenser

18000 BTU 18 SEER2 208/230V Minisplit Heat Pump Air Handler

Remote Controller

Wired Controller



Mini-Split System with Installation Kit

**BMY18HH20CD
KIT15**

18000 BTU 18 SEER2 208/230V Minisplit Heat Pump Condenser

18000 BTU 18 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



**BMY18HH20CD
KIT25**

18000 BTU 18 SEER2 208/230V Minisplit Heat Pump Condenser

18000 BTU 18 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



BM18MCD/BMY18HH22C

18,000 BTU/H(208/230V)

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

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

Set Model

15 Ft Kit
 25 Ft Kit

BYM18HH20CD
 BMY18HH20CD KIT15
 BMY18HH20CD KIT25

Certified

AHRI



UL



SYSTEM PERFORMANCE DATA

Power supply

Normal Operational Voltage (V, Ph, Hz) 208/230, 1, 60
 Voltage Range (V) 187-253

Electrical

Minimum circuit ampacity (A) 16.0
 Max.fuse (A) 25.0
 Connection wiring 14AWG*4

Cooling

Rated Capacity (Btu/h) 17000(6500~18800)
 Capacity Range (Btu/h) 6500~18800
 Power Input (Max) (W) 1460(310~1900)
 Rated current (A) 9.32(2.3~8.9)
 SEER2 (Btu/W) 18.0
 EER2 (Btu/W) 11.7

Heating at 47F

Rated Capacity (Btu/h) 19000(8900~22000)
 Capacity Range (Btu/h) 8900~22000
 Power Input (Max) (W) 1900(550~2250)
 Rated current (A) 11.50(3.80~12.0)
 HSPF4 (Btu/W) 10

COP

W/W 3

Heating at 17F

Max Capacity (Btu/h) 15000

REFRIGERANT PIPE DATA

Design pressure (PSIG) 550/340
 Refrigerant Type (Oz) R410A/65.2
 Refrigerant precharge (ft) 25.0

Additional charge for each ft (oz/ft) 0.16
 (g/ft) 15

Liquid side/ Gas side (inch) 1/4" / 1/2"

Max. pipe length (ft) 98.0

Max. difference in level (ft) 65.6

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) -22~122

Outdoor(heating) (Deg. °F) -22~75

INDOOR UNIT DATA

Indoor fan motor

Type Cross-Flow
 Model ZKFN-160-8-1-2
 Qty 1
 Input (W) 90.0
 RLA (A) -
 LRA (A) -
 Winding Resistance (Ω) -
 Capacitor (uF) -

Air flow & Noise level

Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 529.41/450.00/370.59
 Indoor noise level (Hi/Med/Lo) [dB(A)] 40/37.5/35

Dehumidification (Pint/H) ---

Indoor unit

Dimension (WxDxH) (inch) 34.65x26.54x8.27

Packing(WxDxH) (inch) 42.13x28.54x11.02

Net/Gross weight (lbs.) 55.34/67.02

OUTDOOR UNIT DATA

Compressor

Type KTM240D43UKT
 Model DUAL ROTARY
 Brand GMCC
 Capacity (Btu/h) 25932
 Input (W) 2045
 Rated current (RLA) (A) -
 Refrigerant oil/oil charge (ml) -
 Throttle Capillary +EXV

Outdoor fan motor

Model ZKFN-80-8-3
 Qty 1
 Input (W) --
 RLA (A) --

Air flow & Noise level

Outdoor air flow (Max.) (CFM) 1764.70
 Outdoor noise level [dB(A)] 59

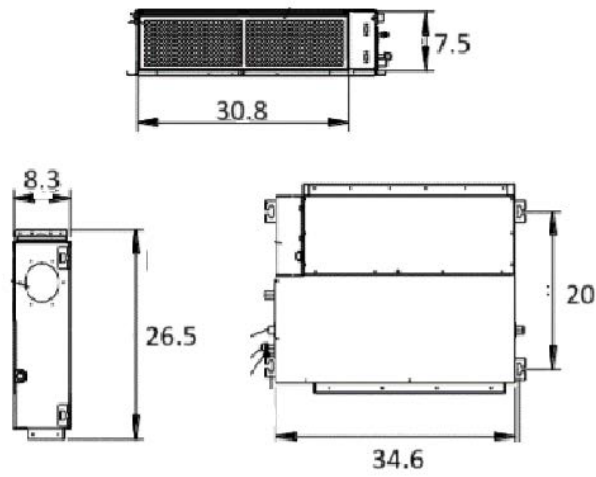
Outdoor unit

Dimension (W×D×H) (inch) 35.04x13.46x26.50

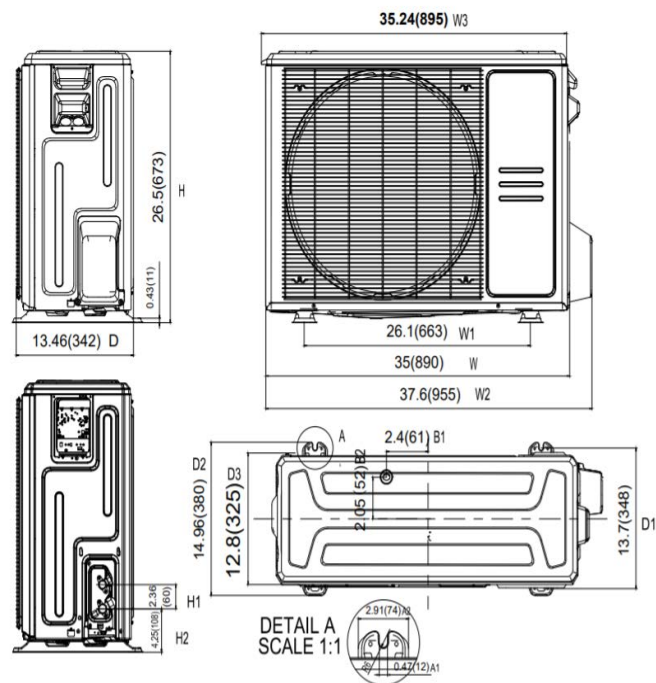
Packing (W×D×H) (inch) 39.17x15.67x29.13

Net/ Gross weight (lbs.) 100.97/108.03

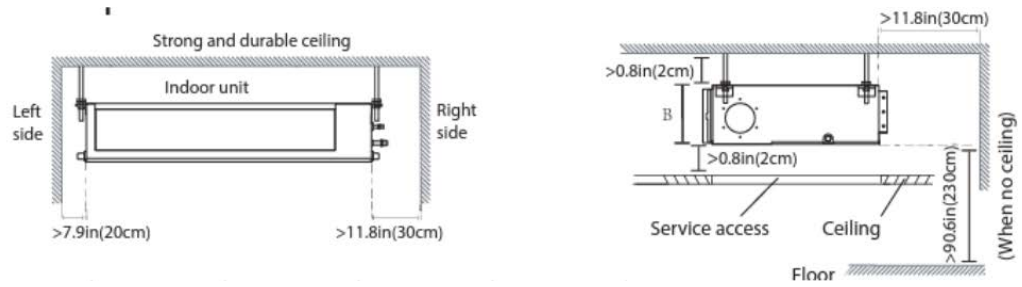
Indoor Unit Dimensions (Inches)



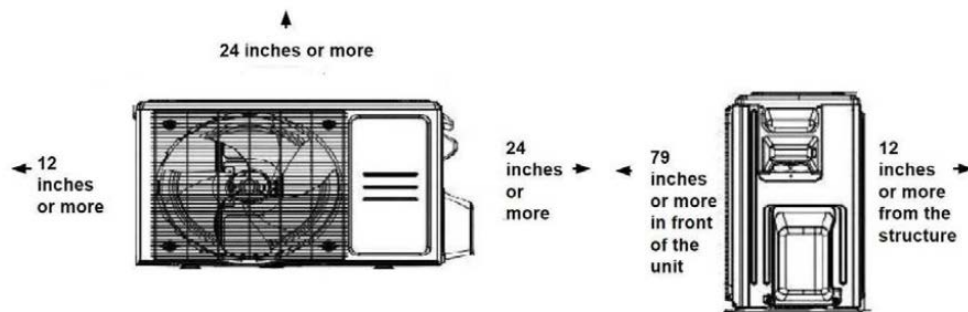
Outdoor Unit Dimensions (Inches)



Indoor Unit Clearances (Inches)



Outdoor Unit Clearance (Inches)



COOLING PERFORMANCE DATA

Model	Cooling																				
	Indoor Conditions DB		-22F	-13F	-4F	0F	5F	17F	25F	35F	47F	55F	65F	75F	80F	85F	95F	105F	110F	115F	122F
BM18MCD BMY18HH20C (208-230V)	65F	TC	14181	14710	15083	15528	15764	16104	16162	16096	16221	17057	17723	18827	19456	17696	16650	15406	14750	14059	12704
		Input	552	630	680	723	768	821	849	891	968	1031	1095	1186	1266	1511	1894	1798	1805	1942	2021
	70F	TC	14818	15533	16011	16175	16576	17060	17139	16943	17021	17917	18636	19611	20523	18726	17600	16355	15691	14877	13515
		Input	548	625	690	715	760	834	865	894	964	1028	1101	1173	1262	1506	1914	1832	1836	1965	2021
	75F	TC	15436	16197	16907	17153	17412	18014	17927	17929	18031	18860	19720	20579	21671	19879	18372	17325	16552	15513	14093
		Input	542	622	694	725	762	840	854	902	977	1039	1110	1171	1256	1503	1904	1858	1846	1942	2010
	80F	TC	16163	17014	17723	17980	18271	19103	19011	18933	19121	20043	20912	21799	22669	20860	19380	18353	17442	16227	14773
		Input	543	622	691	728	768	840	868	902	986	1050	1115	1183	1255	1775	1892	1871	1854	1920	2013

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)														
	Indoor Conditions DB		-22F	-13F	-4F	0F	5F	10F	17F	20F	25F	32F	35F	40F	47F	50F	57F
BM18MCD BMY18HH20C (208-230V)	60F	TC	13824	16059	17775	18689	19320	21419	23324	23963	24120	24521	24743	24701	24448	24981	25621
		Input	2937	3002	2865	2751	2695	2891	2992	2918	2826	2733	2683	2362	2071	1997	1961
	65F	TC	13435	15637	17257	18075	18813	20755	22733	23197	23509	23784	24116	24005	23829	24348	24899
		Input	3006	3063	2923	2825	2764	2953	3081	3002	2890	2792	2741	2425	2126	2054	2005
	70F	TC	12993	15108	16787	17480	18247	20150	22092	22456	22802	23159	23505	23328	23112	23661	24268
		Input	3074	3135	2986	2894	2844	3016	3174	3063	2964	2875	2800	2477	2172	2102	2063
	75F	TC	12499	14428	16149	16869	17426	19445	21297	21445	21958	22302	22518	22488	22095	22762	23224
		Input	3166	3232	3087	2978	2937	3107	3281	3161	3065	2947	2892	2541	2237	2170	2129

LEGEND

DB --- Dry Bulb

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

Input --- Total Power (kW)

Certificate of Product Ratings

AHRI Certified Reference Number : 207571390 Date : 04-14-2023 Model Status : Active

AHRI Type : HRCU-A-CB (Mini-Split System: Heat Pump with Outdoor Unit-Air-Source, Ducted)

Series Name : BM series

Outdoor Unit Brand Name : BLUERIDGE

Outdoor Unit Model Number : BMY18HH22C

Indoor Type : Mini-Splits (Ducted)

Indoor Model Number(s) : BM18MCD

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 : 16500

SEER : 19.60

EER (A2) - Single or High Stage (95F) : 12.50

Heating Capacity (H12) - Single or High Stage (47F) : 19000

HSPF (Region IV) : 11.00

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_{Full}) – Single or High Stage (95F), btuh : 17000

SEER2 : 18.00

EER2 (A_{Full}) – Single or High Stage (95F) : 11.70

Heating Capacity (H1_{Full}) – Single or High Stage (47F), btuh : 19000

HSPF2 (Region IV) : 9.50

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 for more information about updated energy efficiency metrics.

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CERTIFICATE NO.:

133259765290484828



ENERGY STAR CERTIFIED

Heat Pumps (Mini-Split)

: BMY18HH22C

Specifications

ENERGY STAR Unique ID:	2448924
Outdoor Unit Brand Name:	BLUERIDGE
Series Name:	BM series
Outdoor Unit Model Number:	BMY18HH22C
Indoor Unit Model Number:	BM18MCD
Indoor Unit Brand Name:	BLUERIDGE
SEER2 (Btu/Wh):	18.0
Product Type:	HP - Mini or Multi Split
EER2 (Btu/Wh):	11.7
HSPF2 (Btu/Wh):	9.5
COP at 5°F:	1.85
Cooling Capacity (Btu/h):	17000
Heating Capacity at 47°F (Btu/h):	19000
Heating Capacity at 5°F (Btu/h):	17700
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