



BMY3618 Specifications and Certifications



Models



BMY3618C	36000 BTU 18 SEER2 208/230V Minisplit Heat Pump Condenser
BMY3618WM	36000 BTU 18 SEER2 208/230V Minisplit Heat Pump Air Handler
BMY3618	36000 BTU 18 SEER2 208/230V Minisplit Heat Pump System
BMY3618 KIT15	36000 BTU 18 SEER2 208/230V Minisplit Heat Pump W/ 15 Ft Installation Kit
BMY3618 KIT25	36000 BTU 18 SEER2 208/230V Minisplit Heat Pump W/ 25 Ft Installation Kit

What's in the Box

Mini-Split System

BMY3618

36000 BTU 18 SEER2 208/230V Mini-Split Heat Pump Condenser

36000 BTU 18 SEER2 208/230V Mini-Split Heat Pump Air Handler

Remote Controller



Mini-Split System with Installation Kit

BMY3618 KIT15

36000 BTU 18 SEER2 208/230V Mini-Split Heat Pump Condenser

36000 BTU 18 SEER2 208/230V Mini-Split Heat Pump Air Handler

15 Foot 3/8 LL 5/8 SL Ductless Mini-Split Line Set

25 Foot Stranded Ductless Mini-Split Communication Wire

3" 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

5/8in Inner Diameter Drain Hose, 20ft Length

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

Remote controller



BMY3618 KIT25

36000 BTU 18 SEER2 208/230V Mini-Split Heat Pump Condenser

36000 BTU 18 SEER2 208/230V Mini-Split Heat Pump Air Handler

25 Foot 3/8 LL 5/8 SL Ductless Mini-Split Line Set

35 Foot Stranded Ductless Mini-Split Communication Wire

3" 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

5/8in Inner Diameter Drain Hose, 20ft Length

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

Remote controller





SUBMITTAL DATA SHEET

Wall Mounted Heat Pump System

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

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

Set Model
15 Ft Kit Model BMY3618
25 Ft Kit Model BMY3618 KIT15
 BMY3618 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(Outdoor)	(A)	28.0
Max.fuse(Outdoor)	(A)	35.0
Connection wiring		14#x4

Cooling

Capacity	(Btu/h)	36000(8300~37500)
Power Input	(W)	3790(340~3048)
Current	(A)	16.8(1.45~13.3)
SEER2	(Btu/W)	18.0
EER2	(Btu/W)	9.5

Heating

Capacity	(Btu/h)	36000(10900~37360)
Power Input	(W)	3790(610~3720)
Current	(A)	16.8(2.66~16.2)
HSPF2-4	(Btu/W)	7.8

COP	W/W	2.78
Heat at 17F(AHRI Rating)	(Btu/h)	20000
Heat at 5F(AHRI Rating)	(Btu/h)	22000
COP at 5F(AHRI Rating)	W/W	2.01

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	119.93
	(ft)	25.0
Refrigerant precharge		
Additional charge for each ft	(oz/ft)	0.32
Liquid side/ Gas side(indoor)	(inch)	3/8"/5/8"
Liquid side/ Gas side(outdoor)	(inch)	3/8"/5/8"
Max. pipe length	(ft)	213.3
Max. difference in level	(ft)	98.4
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)	5~122
Outdoor(heating)	(Deg. °F)	5~75

INDOOR UNIT DATA

Indoor fan motor

Model		ZKFP-58-8-1-5
Qty		1
Input	(W)	58.0
Output	(W)	58.0
RLA	(A)	0.5

Air flow & Noise level

Indoor air flow (Turbo/Hi/Med/Lo)	(CFM)	794.12/652.94/447.06/329.41
Indoor noise level (Hi/Med/Lo)	[dB(A)]	54/45/40
Dehumidification	(L/H)	4.48

Indoor unit

Dimension (WxDxH)	(inch)	49.57x11.14x14.25
Packing(WxDxH)	(inch)	52.76x17.72x15.16
Net/Gross weight	(lbs.)	42.77/55.56

OUTDOOR UNIT DATA

Compressor

Type		ROTARY
Model		KTF250D22UMT
Brand		GMCC
Capacity	(Btu/h)	27620
Input	(W)	2200
Rated current (RLA)	(A)	18
Refrigerant oil/oil charge	(ml)	VG74/670

Outdoor fan motor

Model		ZKFN-120-8-2
Qty		1
Input	(W)	150.0
Output	(W)	120
RLA	(A)	0.5

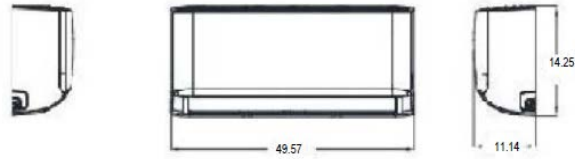
Air flow & Noise level

Outdoor air flow (Max.)	(CFM)	2235
Outdoor noise level	[dB(A)]	65.0

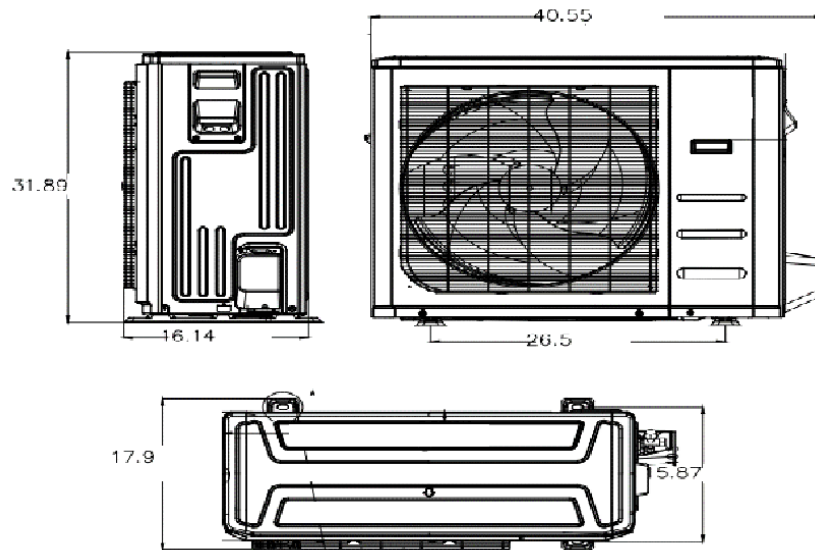
Outdoor unit

Dimension (W×D×H)	(inch)	37.24x16.14x31.89
Packing (W×D×H)	(inch)	42.91x19.69x34.84
Net/ Gross weight	(lbs.)	150.13/158.95

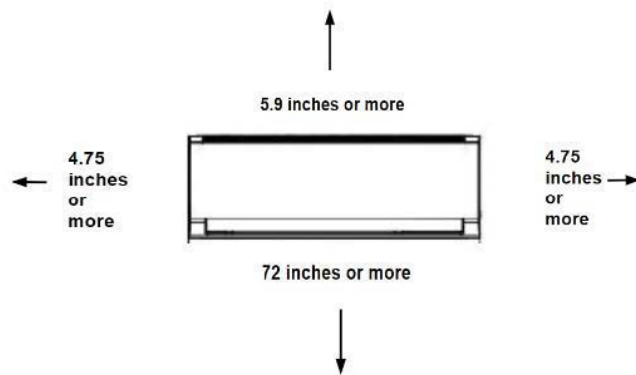
Indoor unit dimension (Inches)



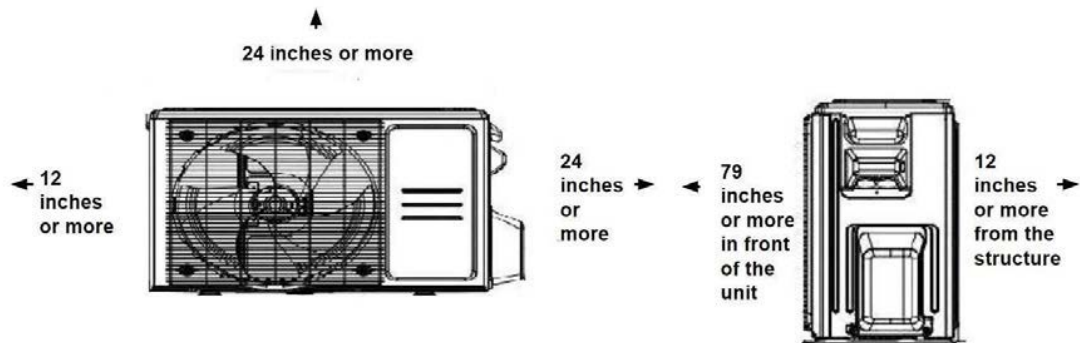
Outdoor unit dimension (Inches)



Indoor unit clearance (Inches)



Outdoor unit clearance (Inches)



COOLING PERFORMANCE DATA

Model	Cooling																	
	Indoor Conditions DB		5F	17F	25F	35F	47F	55F	65F	75F	80F	85F	95F	105F	110F	115F	122F	
BMY3618WM BMY3618C Wall Mounted (208-230V)	65 F	TC	31773	33715	33491	33551	33818	33764	33447	33558	34264	32700	33168	30779	29962	27695	25226	
		Input	2107	2218	2298	2403	2458	2555	2690	2854	3097	3628	4457	4432	4581	5204	5823	
	70 F	TC	33587	35304	35106	35279	35227	35467	35171	35511	35804	34750	35024	32709	31539	29183	26470	
		Input	2118	2197	2269	2408	2435	2541	2688	2884	3052	3632	4434	4489	4629	5253	5811	
	75 F	TC	35169	36890	36799	37136	37160	37294	37100	37697	37335	36851	36598	34394	33130	30622	28130	
		Input	2090	2186	2252	2420	2415	2565	2699	2912	3039	3694	4396	4517	4643	5259	5892	
	80 F	TC	37021	38428	38735	39050	38749	38970	39176	39391	39592	38996	38282	36473	34837	32577	29486	
		Input	2090	2166	2269	2403	2410	2547	2699	2866	3085	4128	4374	4503	4678	5265	5805	

HEATING PERFORMANCE DATA

Model	Heating			5°F	10°F	17°F	20°F	25°F	32°F	35°F	40°F	47°F	50°F	57°F
	Indoor Conditions DB													
BMY3618WM BMY3618C Wall Mounted (208-230V)	60°F	TC	20848	21921	23277	24742	25952	27643	28889	34005	39198	40021	40610	
		Input	2969	3113	3217	3264	3333	3375	3426	3799	4150	4099	4020	
	65°F	TC	20143	21365	22599	24021	25172	26734	28129	32919	38130	38817	39236	
		Input	3058	3186	3316	3359	3411	3465	3511	3881	4248	4191	4114	
	70°F	TC	19633	20743	21899	23231	24510	25830	27284	32116	36948	37541	38057	
		Input	3150	3265	3388	3448	3495	3543	3590	3972	4335	4281	4203	
	75°F	TC	18769	19892	21001	22186	23579	24693	26083	30703	35285	36002	36496	
		Input	3244	3346	3486	3545	3614	3649	3697	4103	4465	4401	4320	

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 : 207339178 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)

Outdoor Unit Brand Name : BLUERIDGE

Outdoor Unit Model Number : BMY3618C

Indoor Type : Mini-Splits (Non-Ducted)

Indoor Model Number(s) : BMY3618WM

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 : 36000

SEER : 18.00

EER (A2) - Single or High Stage (95F) : 9.50

Heating Capacity (H12) - Single or High Stage (47F) : 36000

HSPF (Region IV) : 12.00

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 : 36000

SEER2 : 18.00

EER2 (A_{Full}) – Single or High Stage (95F) : 9.50

Heating Capacity (H1_{Full}) – Single or High Stage (47F), btuh : 36000

HSPF2 (Region IV) : 7.80

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 for more information about updated energy efficiency metrics.

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