



BMY36DIY18 Submittal Sheet



Models

BMY36DIY18C	36000 BTU 18.3 SEER2 208/230V DIY Minisplit Heat Pump Condenser
BMY36DIY18WM	36000 BTU 18.3 SEER2 208/230V DIY Minisplit Heat Pump Air Handler
BMY36DIY18	36000 BTU 18.3 SEER2 208/230V DIY Minisplit Heat Pump System
BMY36DIY18 KIT25	36000 BTU 18.3 SEER2 208/230V DIY Minisplit Heat Pump W/ 25 Ft Installation Kit

What's in the Box

Mini-Split System

BMY36DIY18	36000 BTU 18.3 SEER2 208-230V Mini-Split Heat Pump Condenser
	36000 BTU 18.3 SEER2 208-230V Mini-Split Heat Pump Air Handler
	25 Foot 3/8 LL 5/8 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

BMY36DIY18 KIT25	36000 BTU 18.3 SEER2 208-230V Mini-Split Heat Pump Condenser
	36000 BTU 18.3 SEER2 208-230V Mini-Split Heat Pump Air Handler
	25 Foot 3/8 LL 5/8 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
25 Ft Kit Model
BMY36DIY18
BMY36DIY18 KIT25

Certified



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Electrical		
Minimum circuit ampacity (Outdoor)	(A)	28
Max. fuse (Outdoor)	(A)	35
Connection wiring		14#x4//
Cooling		
Capacity	(Btu/h)	36000(9000~38000)
Power Input	(W)	4140(350~3500)
Current	(A)	18.4(2.2~15.6)
SEER2	(Btu/W)	18
EER2	(Btu/W)	8.7
Heating		
Capacity	(Btu/h)	36000(10600~38600)
Power Input	(W)	3750(580~3750)
Current	(A)	16.5(4.1~16.5)
HSPF2-4	(Btu/W)	8.0
COP	W/W	2.81
Heat at 17F(AHRI Rating)	(Btu/h)	21000
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	111.11
Refrigerant precharge	(ft)	25.0
Additional charge for each ft	(oz/ft)	0.32
Liquid side/ Gas side(indoor)	(inch)	3/8in/5/8in
Liquid side/ Gas side(outdoor)	(inch)	3/8in/5/8in
Max. pipe length	(ft)	213.25
Max. difference in level	(ft)	98.42
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)	5~86

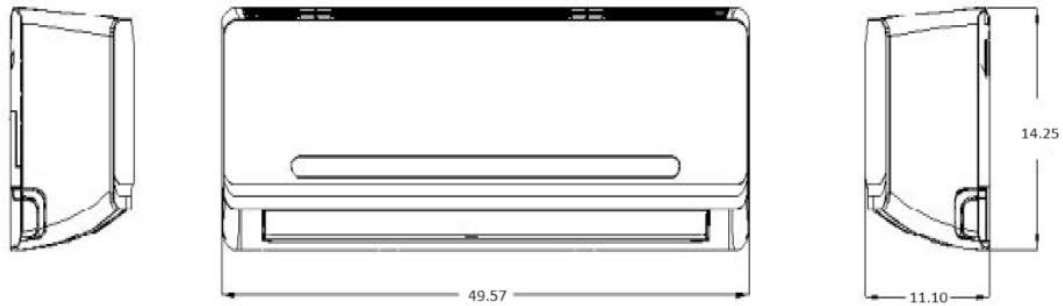
INDOOR UNIT DATA

Indoor fan motor		
Model		ZKFP-58-8-1-5
Qty		1
Input	(W)	58
Output	(W)	
RLA	(A)	0.5
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	847.06/673.53/502.94/367.65
Indoor noise level (Hi/Med/Lo)	[dB(A)]	52/45/34
Dehumidification		
	(L/H)	/
Indoor unit		
Dimension (WxDxH)	(inch)	49.57x11.10x14.25
Packing(WxDxH)	(inch)	56.69x21.26x19.69
Net/Gross weight	(lbs.)	47.84/78.26

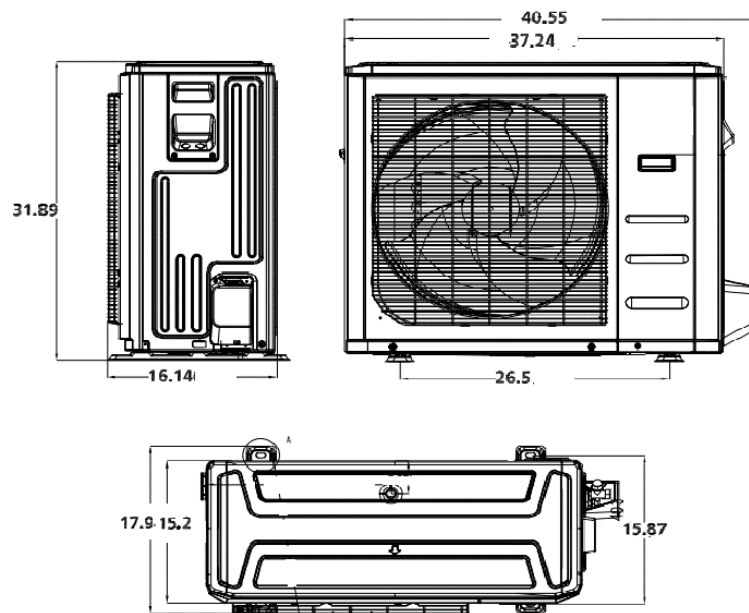
OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KTF250D22UMT
Brand		GMCC
Capacity	(W)	8095
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
Output	(W)	
RLA	(A)	0.5
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	2235.29
Outdoor noise level	[dB(A)]	63
Outdoor unit		
Dimension (WxDxH)	(inch)	37.24x16.14x31.89
Packing (WxDxH)	(inch)	42.91x19.88x37.01
Net/ Gross weight	(lbs.)	147.27/166.45

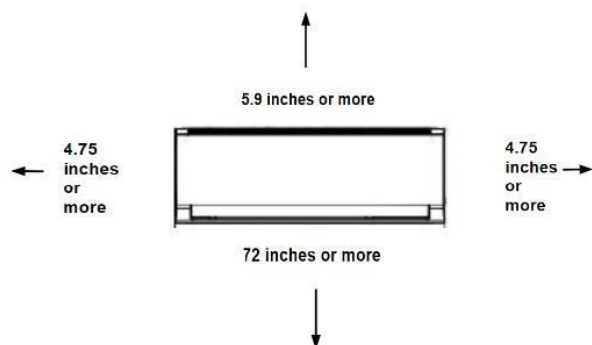
Indoor unit dimension (Inches)



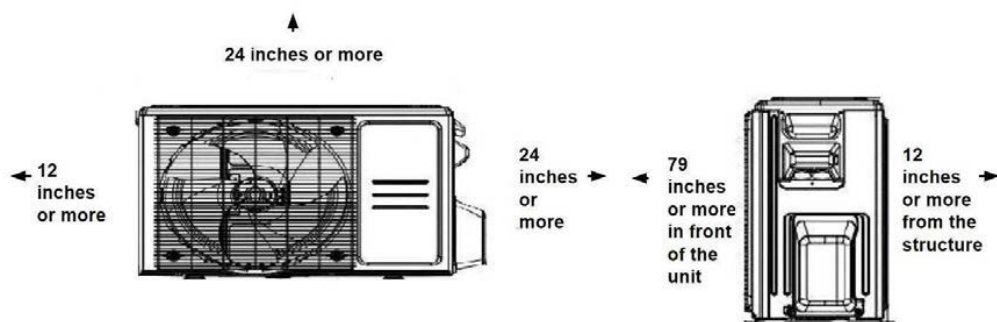
Outdoor unit dimension (Inches)



Indoor unit clearance (Inches)



Outdoor unit clearance (Inches)



COOLING PERFORMANCE DATA

COOLING PERFORMANCE DATA																		
Model	Cooling			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
	Indoor																	
	DB																	
BMY36DIY18WM BMY36DIY18C	65°F	TC	30905	31870	32521	33158	32991	33302	33945	33303	33830	31688	31159	29931	28879	26966	25125	
		Input	2133	2179	2245	2301	2290	2395	2647	2690	2890	3467	4489	4554	4709	4953	5716	
	70°F	TC	32463	33548	34414	34684	34510	34726	35582	35316	35313	33426	32525	31707	30367	28687	26309	
		Input	2111	2197	2259	2267	2276	2395	2617	2707	2896	3511	4451	4564	4694	5042	5657	
	75°F	TC	34244	35202	35998	36356	36326	36592	37181	37491	37329	35297	34491	33201	31798	30454	27694	
		Input	2095	2176	2223	2274	2266	2415	2600	2759	2880	3552	4499	4564	4709	5117	5633	
	80°F	TC	36429	37410	37774	38110	38604	38763	38933	39093	39253	37550	36040	34656	33157	31723	29399	
		Input	2116	2214	2233	2251	2310	2441	2581	2742	2905	4245	4499	4560	4621	5106	5211	

HEATING PERFORMANCE DATA

Model	Heating													
	Indoor Conditions DB		5°F	10°F	17°F	20°F	25°F	32°F	35°F	40°F	47°F	50°F	57°F	
BMY36DIY18WM BMY36DIY18C	60°F	TC	21281	20640	20260	21890	23291	24880	26251	33116	39197	40243	41710	
		Input	3115	3090	3035	3044	3045	3039	3045	3607	4036	4010	4007	
	65°F	TC	20722	20137	19689	21171	22547	24132	25487	32028	38092	39261	40378	
		Input	3198	3163	3126	3119	3130	3130	3136	3703	4148	4125	4097	
	70°F	TC	20079	19627	19209	20534	21954	23361	24673	31216	37019	38229	39240	
		Input	3281	3244	3213	3196	3213	3217	3214	3802	4264	4240	4211	
	75°F	TC	19296	18842	18383	19692	21010	22474	23562	30061	35612	36547	37788	
		Input	3376	3357	3325	3279	3322	3330	3323	3912	4379	4363	4345	

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 : 207339182 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 : BMY36DIY18C

Indoor Type : Mini-Splits (Non-Ducted)

Indoor Model Number(s) : BMY36DIY18WM

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) : 8.70

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 : 18.30

EER2 (A_{Full}) – Single or High Stage (95F) : 8.70

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

HSPF2 (Region IV) : 8.00

Sold in? : USA, Canada

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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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