



BMKH0938 Specifications and Certifications



Models

BMKH0938/O	9000 BTU 27 SEER2 208/230V Minisplit Heat Pump Condenser
BMKH0938/I	9000 BTU 27 SEER2 208/230V Minisplit Heat Pump Air Handler
BMKH0938	9000 BTU 27 SEER2 208/230V Minisplit Heat Pump System
BMKH0938 KIT15	9000 BTU 27 SEER2 208/230V Minisplit Heat Pump W/ 15 Ft Installation Kit
BMKH0938 KIT25	9000 BTU 27 SEER2 208/230V Minisplit Heat Pump W/ 25 Ft Installation Kit

What's in the Box

Mini-Split System

BMKH0938

9000 BTU 27 SEER2 208/230V Minisplit Heat Pump Condenser

9000 BTU 27 SEER2 208/230V Minisplit Heat Pump Air Handler

Remote Controller



Mini-Split System with Installation Kit

**BMKH0938
KIT15**

9000 BTU 27 SEER2 208/230V Minisplit Heat Pump Condenser

9000 BTU 27 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

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

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

Remote Controller



**BMKH0938
KIT25**

9000 BTU 27 SEER2 208/230V Minisplit Heat Pump Condenser

9000 BTU 27 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

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: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

Set Model	BMKH0938
15 Ft Kit Model	BMKH0938 KIT15
25 Ft Kit Model	BMKH0938 KIT25
Certified	  



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)	9.0
Max.fuse(Outdoor)	(A)	15.0
Connection wiring		14AWG*4
Cooling		
Capacity	(Btu/h)	9000(1535~12966)
Power Input	(W)	540(50~1400)
Current	(A)	3.05
SEER2	(Btu/W)	27.0
EER2	(Btu/W)	16.6
Heating		
Capacity	(Btu/h)	9000(2388~13648)
Power Input	(W)	610(200~1500)
Current	(A)	3.5
HSPF2-4	(Btu/W)	11.0
COP	W/W	4.32
Heat at 17F(AHRI Rating)	(Btu/h)	8000
Heat at 5F(AHRI Rating)	(Btu/h)	13000
COP at 5F(AHRI Rating)	W/W	1.91

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Refrigerant Type		R410A
Refrigerant charge	oz	55.40
Refrigerant precharge	(ft)	25.0
Additional charge for each ft	(oz/ft)	0.20
Liquid side/ Gas side(indoor)	(inch)	1/4"/1/2"
Liquid side/ Gas side(outdoor)	(inch)	1/4"/1/2"
Max. pipe length	(ft)	49.0
Max. difference in level	(ft)	33.0
Connection method		Flared
Remote Control Temp Range(cooling)	(Deg. °F)	61 ~ 86
Remote Control Temp Range(heating)	(Deg. °F)	61 ~ 86
Outdoor(cooling)	(Deg. °F)	0~129
Outdoor(heating)	(Deg. °F)	-22~75

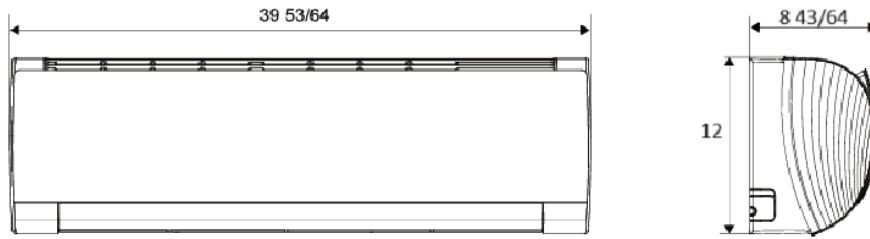
INDOOR UNIT DATA

Indoor fan motor		
Model		MP35CJ, MP24HF
Qty		1
Input	(W)	-
Output	(W)	60.0
RLA	(A)	0.09
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	424/383/353/324/294/265/206
Indoor noise level (Hi/Med/Lo)	[dB(A)]	46/40/38/36/33/31/19
Dehumidification	(L/H)	0.08
Indoor unit		
Dimension (WxDxH)	(inch)	39.9×12.1×8.7
Packing(WxDxH)	(inch)	42.5×14.9×12.4
Net/Gross weight	(lbs.)	29.8/36.4

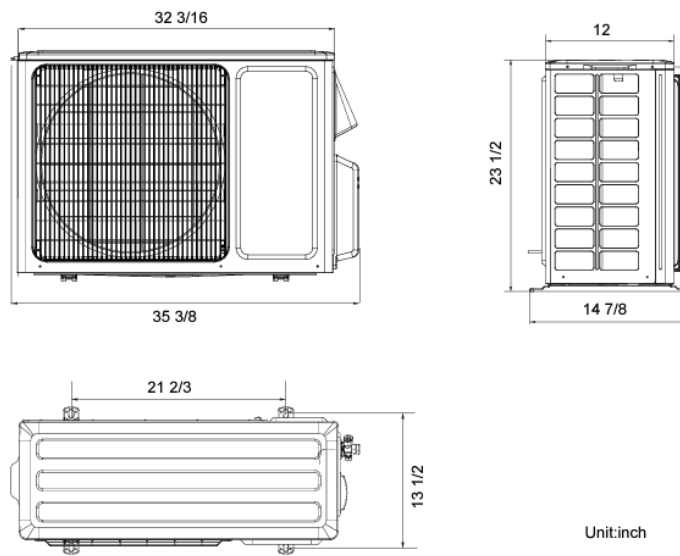
OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		QXAT-B121zE070
Brand		GREE
Input	(W)	1070
Rated current (RLA)	(A)	6.9
Refrigerant oil		FV50S
Outdoor fan motor		
Qty		1
Input	(W)	/
Output	(W)	30
RLA	(A)	0.28
Air flow & Noise level		
Outdoor noise level	[dB(A)]	57.0
Outdoor unit		
Dimension (W×D×H)	(inch)	35.394×23.465×14.882
Packing (W×D×H)	(inch)	37.323×16.535×25.394
Net/ Gross weight	(lbs.)	99.2/105.8

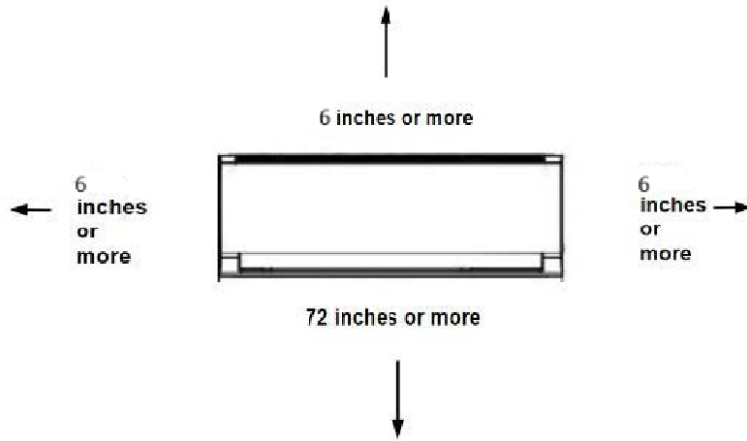
Indoor unit dimension



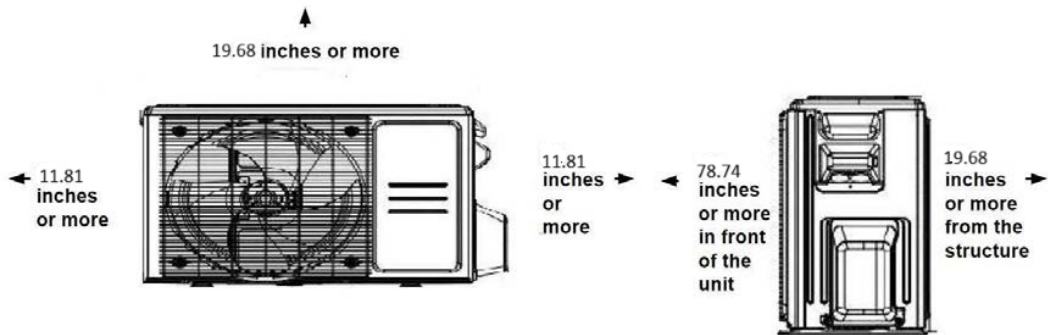
Outdoor unit dimension



Indoor unit clearance (Inches)



Outdoor unit clearance (Inches)



COOLING PERFORMANCE DATA

YS Model	Cooling		Outdoor conditions (DB)																											
	Indoor Conditions DB		0°F	5°F	10°F	15°F	20°F	25°F	30°F	35°F	40°F	45°F	50°F	55°F	60°F	65°F	70°F	75°F	80°F	85°F	90°F	95°F	100°F	105°F	110°F	115°F	120°F	122°F	125°F	129°F
		TC	Input																											
BMKH0938/I BMKH0938/O Wall mounted (208-230V)	70°F	TC	8428	8558	8752	8947	9076	9206	9530	9854	10049	10243	10567	10891	11216	11540	12058	12577	12772	12966	12577	12188	11864	11540	11345	11151	10697	10243	9919	9595
		Input	916	935	954	973	992	1011	1030	1049	1068	1087	1106	1125	1143	1162	1181	1200	1219	1238	1251	1264	1295	1327	1358	1390	1395	1400	1407	1414
	75°F	TC	8947	9076	9271	9465	9595	9725	10049	10373	10567	10762	11086	11410	11734	12058	12577	13096	13290	13485	13096	12707	12383	12058	11864	11669	11216	10762	10438	10113
		Input	964	984	1004	1024	1044	1064	1084	1104	1124	1144	1164	1184	1204	1224	1244	1264	1283	1303	1317	1330	1363	1397	1430	1463	1496	1530	1535	1540
	80°F	TC	9206	9336	9530	9725	9854	9984	10308	10632	10827	11021	11345	11669	11994	12318	12836	13355	13549	13744	13355	12966	12642	12318	12123	11929	11475	11021	10697	10373
		Input	1015	1036	1057	1078	1099	1120	1141	1162	1183	1204	1225	1246	1267	1288	1309	1330	1351	1372	1386	1400	1435	1470	1505	1540	1575	1610	1645	1680

HEATING PERFORMANCE DATA

YS Model	Heating		Outdoor conditions (DB)																						
	Indoor Conditions DB		-22°F	-20°F	-15°F	-10°F	-5°F	0°F	5°F	10°F	15°F	17°F	20°F	25°F	30°F	35°F	40°F	45°F	47°F	50°F	55°F	60°F	65°F	70°F	75°F
		TC	Input																						
BMKH0938/I BMKH0938/O Wall mounted (208-230V)	70°F	TC	7506	7711	7916	8394	8871	9281	9690	10236	10441	10645	11191	11601	11806	12010	12966	13375	13648	13512	13375	13239	12966	12829	12693
		Input	1177	1189	1201	1213	1226	1251	1276	1302	1315	1329	1356	1384	1398	1412	1441	1470	1500	1508	1515	1530	1470	1463	1455
	75°F	TC	7233	7438	7643	8121	8598	9008	9417	9963	10441	10918	10918	11328	11533	11737	12693	13102	13375	13239	13102	12966	12693	12556	12420
		Input	1201	1213	1225	1238	1250	1276	1302	1328	1342	1355	1383	1411	1426	1440	1469	1499	1530	1538	1545	1561	1499	1492	1484
	80°F	TC	6961	7165	7370	7848	8325	8735	9144	9690	10168	10645	10645	11055	11260	11464	12420	12829	13102	12966	12829	12693	12420	12283	12147
		Input	1225	1237	1250	1262	1275	1301	1328	1355	1369	1382	1411	1439	1454	1469	1499	1529	1561	1568	1576	1592	1529	1522	1514

LEGEND

DB --- Dry Bulb
 TC --- Total Net Capacity
 Input --- Total Power



Certificate of Product Ratings

AHRI Certified Reference Number : 205968027 Date : 10-14-2022 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 : BMKH0938/O

Indoor Type : Mini-Splits (Non-Ducted)

Indoor Model Number(s) : BMKH0938/I

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 : 9000

SEER : 38.00

EER (A2) - Single or High Stage (95F) : 16.50

Heating Capacity (H12) - Single or High Stage (47F) : 9000

HSPF (Region IV) : 15.00

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 : 9000

SEER2 : 27.00

EER2 (A_{Full}) – Single or High Stage (95F) : 16.60

Heating Capacity (H1_{Full}) – Single or High Stage (47F), btuh : 9000

HSPF2 (Region IV) : 11.00

Sold in? : USA, Canada



†'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.:

133102525167112809



ENERGY STAR CERTIFIED

Heat Pumps (Mini-Split)

: BMKH0938/O

Specifications	
ENERGY STAR Unique ID:	2415100
Outdoor Unit Brand Name:	BLUERIDGE
Series Name:	Saphire
Outdoor Unit Model Number:	BMKH0938/O
Indoor Unit Model Number:	BMKH0938/I
Indoor Unit Brand Name:	BLUERIDGE
SEER2 (Btu/Wh):	27.0
Product Type:	HP - Mini or Multi Split
EER2 (Btu/Wh):	16.6
HSPF2 (Btu/Wh):	11.0
COP at 5°F:	1.91
Cooling Capacity (Btu/h):	9000
Heating Capacity at 47°F (Btu/h):	9000
Heating Capacity at 5°F (Btu/h):	13000
Cold Climate:	Yes
Connected Capable:	No
Meets Peak Cooling Requirements:	No
Tax Credit Eligible:	Yes
Refrigerant with GWP:	R-410A (GWP:2088)
ENERGY STAR Most Efficient:	Yes

Captured On:
04/01/2024