



BMAHC6015D Submittal Sheet



Models

BMAH6016C	60,000 BTU 14.5 SEER2 Ducted Heat Pump Condenser
BMAHC60D	60,000 BTU Hyper Heat A Coil
BMAHC6015D	60,000 BTU 14.5 SEER2 Ducted Heat Pump/Coil System

What's in the Box

Ducted Heat Pump System

BMAHC6015D

60,000 BTU 14.5 SEER2 Ducted Heat Pump Condenser

60,000 BTU Hyper Heat A Coil

Remote Controller

Wired Controller



SUBMITTAL DATA SHEET

A-Coil Heat Pump System

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

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

Set Model
 Indoor unit model BMAHC6015D
 Outdoor unit model BMAHC60D
 Outdoor unit model BMAH6016C

Certified

AHRI



UL



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) 40.0
 Max.fuse(Outdoor) (A) 50.0
 Connection wiring N/A

Cooling

Capacity (Btu/h) 53000(13400~54000)
 Power Input (W) 6162(870~6100)
 Current (A) 26.80(3.78~26.52)
 SEER2 (Btu/W) 14.5
 EER2 (Btu/W) 8.6

Heating

Capacity (Btu/h) 55000(10800~60000)
 Power Input (W) 5373(840~6380)
 Current (A) 24.60(3.65~27.70)
 HSPF2-4 (Btu/W) 8.6

COP W/W 3.00
 Heat at 17F(AHRI Rating) (Btu/h) 37000
 Heat at 5F(AHRI Rating) (Btu/h) 46500
 COP at 5F(AHRI Rating) W/W 1.80

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	TXV
Design pressure (PSIG) <td>Outdoor unit</td> <td>EEV for heating 550/340</td>	Outdoor unit	EEV for heating 550/340
Refrigerant Type		R410A
Refrigerant charge (oz)		169.32
Refrigerant precharge (ft)		25.0
Additional charge for each ft (oz/ft)		0.69
Liquid side/ Gas side(indoor)	(inch)	3/8" / 7/8"
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 7/8"
Max. pipe length (ft)		213.3
Max. difference in level (ft)		98.4
Connection method		Flared
Indoor(cooling)	(Deg. F)	60 ~ 90
Indoor(heating)	(Deg. F)	32 ~ 86
Outdoor(cooling)	(Deg. F)	5 ~ 122
Outdoor(heating)	(Deg. F)	-22 ~ 75

INDOOR UNIT DATA

Pressure drop Pa 72.00
 In. wg. 0.29

Configuration Upflow / DownFlow / Horizontal

Indoor unit

Dimension (WxDxH) (inch) 24.49x20.98x27.99
 Packing(WxDxH) (inch) 27.76x26.18x30.31
 Net/Gross weight (lbs.) 86.64/98.33

OUTDOOR UNIT DATA

Compressor

Type ROTARY
 Model EAPQ440D1UMUA
 Brand GMCC
 Capacity (Btu/h) 46335
 Input (W) 3770
 Rated current (RLA) (A) 26.2
 Refrigerant oil/oil charge (ml) POE.VG75/1300

Outdoor fan motor

Model ZKFN-85-8-22-5
 Qty 2
 Input (W) 126.0
 Output (W) 85
 RLA (A) 1.2

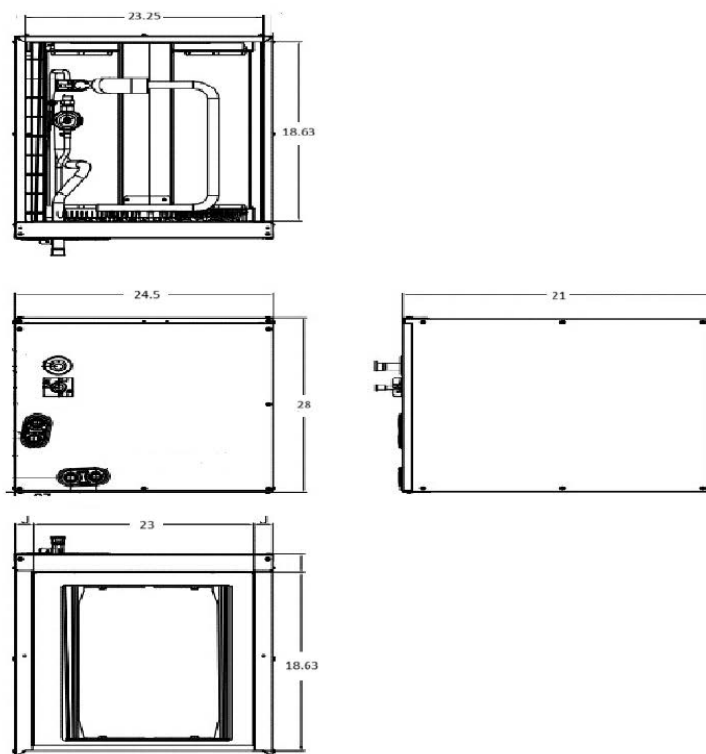
Air flow & Noise level

Outdoor air flow (Max.) (CFM) 4500
 Outdoor noise level [dB(A)] 62.0

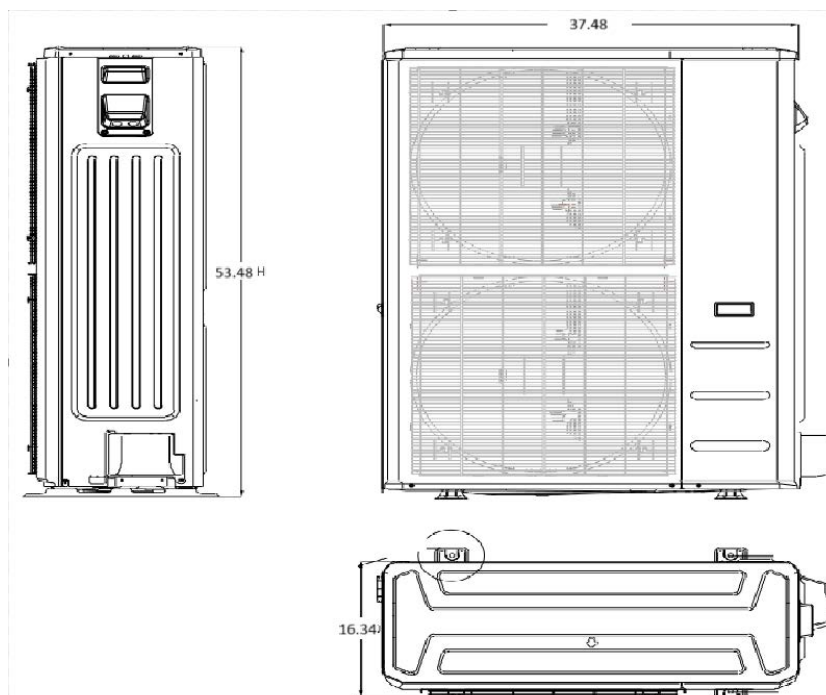
Outdoor unit

Dimension (WxDxH) (inch) 37.48x16.34x52.48
 Packing (WxDxH) (inch) 43.11x19.49x58.27
 Net/ Gross weight (lbs.) 239.86/271.61

Indoor Unit Dimensions (Inches)



Outdoor Unit Dimensions (Inches)



COOLING PERFORMANCE DATA

YS Model	Cooling		Outdoor conditions (DB)																
	Indoor DB		5F	14F	17F	23F	32F	41F	47F	50F	59F	68F	77F	82F	86F	95F	104F	114.8F	122F
BMAHC60D BMAH6016C	73.4F	TC	56058	63507	65990	63862	60670	60982	62359	62007	60952	59897	58842	58256	56920	55665	44937	32064	23481
		Input	3.79	4.06	4.15	4.01	3.80	4.00	4.26	4.26	4.25	4.23	4.22	4.21	5.93	6.31	5.28	4.04	3.21
	77.0F	TC	56119	63576	66062	63931	60736	61048	62426	62074	61018	59962	58906	58319	56982	55725	44986	32098	23507
		Input	3.80	4.07	4.16	4.01	3.80	4.00	4.27	4.26	4.25	4.24	4.22	4.22	5.94	6.32	5.29	4.05	3.22
	80.0F	TC	56180	63645	66133	64001	60802	61115	62494	62142	61085	60027	58970	58383	57044	55786	45035	32133	23533
		Input	3.80	4.07	4.16	4.02	3.81	4.00	4.27	4.27	4.26	4.24	4.23	4.22	5.94	6.33	5.29	4.05	3.22
	80.6F	TC	56189	63655	66144	64011	60811	61124	62504	62152	61094	60037	58979	58392	57052	55794	45042	32138	23536
		Input	3.80	4.07	4.16	4.02	3.81	4.01	4.27	4.27	4.26	4.24	4.23	4.22	5.94	6.33	5.29	4.05	3.22
	84.2F	TC	56259	63734	66226	64090	60887	61200	62582	62229	61170	60111	59053	58464	57123	55864	45098	32178	23566
		Input	3.81	4.08	4.17	4.02	3.81	4.01	4.28	4.27	4.26	4.25	4.24	4.23	5.95	6.34	5.30	4.06	3.23

HEATING PERFORMANCE DATA

YS Model	Heating		Outdoor conditions (DB)																
	Indoor Conditions DB		-22F	-13F	-10F	-4F	0F	5F	14F	17F	22F	27F	32F	37F	42F	44.6F	47F	52F	57F
BMAHC60D BMAH6016C	60.8F	TC	30766	36919	37603	38970	42845	47687	48457	48713	49140	49568	49995	52266	57301	59316	62337	51519	48749
		Input	6.22	7.06	6.85	6.45	6.91	7.50	7.20	7.10	6.82	6.53	6.25	6.07	6.04	6.04	6.01	4.34	3.45
	68F	TC	30151	36181	36851	38191	41988	46734	47487	47739	48157	48576	48995	51220	56155	58129	61090	50488	47774
		Input	6.27	7.11	6.91	6.50	6.97	7.56	7.26	7.16	6.87	6.59	6.30	6.12	6.09	6.08	6.06	4.38	3.48
	70F	TC	30000	36000	36667	38000	41778	46500	47250	47500	47917	48333	48750	50964	55875	57839	60785	50236	47535
		Input	6.28	7.13	6.92	6.51	6.98	7.57	7.27	7.18	6.89	6.60	6.31	6.13	6.11	6.10	6.07	4.39	3.49
	71.6F	TC	29880	35856	36520	37848	41611	46314	47061	47310	47725	48140	48555	50760	55651	57607	60542	50035	47345
		Input	6.29	7.14	6.94	6.53	7.00	7.59	7.29	7.19	6.90	6.61	6.32	6.14	6.12	6.11	6.08	4.40	3.50
	75.2F	TC	29611	35533	36191	37507	41236	45897	46637	46884	47295	47707	48118	50303	55150	57089	59997	49585	46919
		Input	6.32	7.17	6.97	6.55	7.03	7.62	7.32	7.22	6.93	6.64	6.35	6.16	6.14	6.13	6.11	4.41	3.51

LEGEND

DB --- Dry Bulb

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

Input --- Total Power (kW)

Certificate of Product Ratings

AHRI Certified Reference Number : 215359206 Date : 09-10-2024 Model Status : Active

AHRI Type : HRCU-A-C (Split System: Heat Pump with Remote Outdoor Unit with No Indoor Fan --Air Source)

Series : BMAH Series

Outdoor Unit Brand Name : BLUERIDGE

Outdoor Unit Model Number (Condenser or Single Package) : BMAH6016C

Indoor Unit Model Number (Evaporator and/or Air Handler) : BMAHC60D

The manufacturer of this BLUERIDGE product is responsible for the rating of this system combination.

Rated as follows in accordance with the latest edition of AHRI 210/240 – 2024, 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 : 53000

SEER2 : 14.50

EER2 (A_{Full}) – Single or High Stage (95F) : 8.60

Heating Capacity (H1_{Full}) – Single or High Stage (47F), btuh : 55000

HSPF2 (Region IV) : 8.60



†"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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