

ComfortStar®

Air Conditioning & Heating Products

R32 RESIDENTIAL PRODUCTS CATALOG

BAR17 & BAH17 SERIES

1.5 TO
3 TONS



14.3 SEER2



Comfort, it's in our name.

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10 YEARS
WARRANTY
PARTS

10 YEARS
WARRANTY
COMPRESSOR

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BAR17 SERIES

1.5 TO 3 TONS



TOP DISCHARGE CONDENSING UNIT

FEATURES:

- **Rotary Compressors**
- **Brushless DC outdoor fan motor** for improved efficiency and extended service life
- **Refrigerant leak detection system** for added safety and system protection.
- **Refrigerant-cooled PCB design** delivers superior heat dissipation and long-term durability.
- **Precision room temperature control** with low operating noise for enhanced comfort
- **Multiple control options** including 24VAC thermostat compatibility, optional wired control, and optional Wi-Fi control.



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BAR17 SERIES

1.5 TO 3 TONS
TOP DISCHARGE
CONDENSING UNIT



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SPECIFICATIONS:

Outdoor Unit			BAR17-18-15	BAR17-24-15	BAR17-30-15	BAR17-36-15
Power Supply	Rated Voltage	V, Ph, Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Cooling	Capacity	Btu/h	18000	24000	30000	35000
	Input	W	1358	1871	2144	2503
Outdoor Minimum Circuit Ampacity		A	15.0	20.0	20.0	25.0
Outdoor Max. Fuse		A	20.0	25.0	25.0	30.0
Outdoor Air Flow		CFM	2000	2000	2650	2650
Outdoor Noise Level		dB(A)	58.0	58.0	59.0	59.0
Connecting Wiring		AWG	24V: AWG 14*3 Shielded	24V: AWG 12*3 Shielded	24V: AWG 12*3 Shielded	24V: AWG 10*3 Shielded
Communication Type			24V	24V	24V	24V
Throttle Type			Capillary	Capillary	Capillary	Capillary
Outdoor Unit	Unpacking(W*D*H)	inch	23-5/8*23-5/8*25	23-5/8*23-5/8*25	29-9/64*29-9/64*25	29-9/64*29-9/64*25
	Packing (W*D*H)	inch	25-63/64*25-63/64 *26-3/16	25-63/64*25-63/64 *26-3/16	30-5/16*30-5/16 *26-3/16	30-5/16*30-5/16 *26-3/16
	Net/Gross Weight	lbs.	117/123	119/126	139/148	145/154
Refrigeration	Type/Charge	oz	R32/46	R32/53	R32/76	R32/79
	Outdoor Additional Charge	oz/ft	0.52	0.52	0.52	0.52
	N.A. Design Pressure	PSI	174/609	174/609	174/609	174/609
Refrigerant Pipe	Liquid /Vapor Valve Size	inch	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)
	Max. refrigerant pipe length	ft	98	131	131	131
	Max. Height Difference	ft	66	82	82	82
Outdoor Unit	Cooling	°F	23-125	23-125	23-125	23-125
	Heating	°F	/	/	/	/

LUC17 SERIES

1.5 TO
3 TONS



MULTI-POSITION AIR HANDLER

FEATURES:

- Flexible Installation
- High indoor fan static pressure of up to 0.8" w.g. (200 Pa) allows flexible installation.
- High indoor fan static pressure allows for flexible and versatile installation options.
- Supports duct lengths up to 82 ft making it suitable for larger homes.
- Multiple control options including 24VAC thermostat compatibility, optional wired control, and optional Wi-Fi control.
- Indoor Fan Motor Type: The system uses an ECM providing high efficiency, precise speed control, and quiet operation.



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Unit	BTU	Capacity	Electrical Heater Model No.
LUC17	18/24/30/36K	5KW	EHK-05E
		7.5KW	EHK-08E
	18/24/30/36K/48/60K	10KW	EHK-10E
		15KW	EHK-15E
	30/36/48/60K	20KW	EHK-20E

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LUC17 SERIES

1.5 TO 3 TONS
AIR HANDLER
MULTI-POSITION



14.3 SEER2



SPECIFICATIONS:

Indoor Unit			LUC17-18-15	LUC17-24-15	LUC17-30-15	LUC17-36-15
Power Supply	Rated Voltage	V, Ph, Hz	208/230V, 1Ph,60Hz	208/230V, 1Ph,60Hz	208/230V, 1Ph,60Hz	208/230V, 1Ph,60Hz
Cooling	Capacity	Btu/h	18000	24000	30000	35000
Indoor Minimum Circuit Ampacity		A	3.5	3.5	5.0	5.0
Indoor Max. Fuse		A	6.0	6.0	6.0	6.0
Indoor Air Flow (H/L)		CFM	650/420	650/420	950/520	950/520
Indoor Noise Level (H/L)		dB(A)	38.5/34	38.5/34	40/36	40/36
N.A. Design Pressure		PSI	174/609	174/609	174/609	174/609
Indoor Unit	Dimension (W×D×H)	inch	17-33/64×21-1/32×45	17-33/64×21-1/32×45	21-1/32×21-1/32×49-7/32	21-1/32×21-1/32×49-7/32
	Packing Dimension(W×D×H)	inch	20-55/64×26-37/64 ×46-17/64	20-55/64×26-37/64 ×46-17/64	24-13/32×26-37/64 ×50-13/64	24-13/32×26-37/64 ×50-13/64
	Net/Gross Weight	lbs.	114/127	114/127	137/151	137/151
Refrigerant Piping	Liquid/Gas Side	inch	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)
Connecting Wiring		AWG	24V: AWG 12*3 Shielded			
Communication Type			24V	24V	24V	24V
Throttle Type			Piston	Piston	Piston	Piston
Setting Temp. Range		°F	60~90	60~90	60~90	60~90

LUC17 SERIES

1.5 TO 3 TONS AIR HANDLER MULTI-POSITION



COMBINATION TABLES



14.3 SEER2

SPECIFICATIONS:

Outdoor Unit			BAR17-18-15	BAR17-24-15	BAR17-30-15	BAR17-36-15
Indoor Unit			LUC17-18-15	LUC17-24-15	LUC17-30-15	LUC17-36-15
Power Supply	Rated Voltage	V, Ph, Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Cooling	Capacity	Btu/h	18000	24000	30000	35000
	SEER2	Btu/h/W	14.3	14.3	14.3	14.3
	EER2	Btu/h/W	12.5	11.8	12.2	12.2
Indoor Max. Fuse		A	6.0	6.0	6.0	6.0
Indoor Air Flow (H/L)		CFM	650/420	650/420	950/520	950/520
Indoor Noise Level (H/L)		dB(A)	38.5/34	38.5/34	40/36	40/36
N.A. Design Pressure		PSI	174/609	174/609	174/609	174/609
Indoor Unit	Dimension (W×D×H)	inch	17-33/64×21-1/32×45	17-33/64×21-1/32×45	21-1/32×21-1/32×49-7/32	21-1/32×21-1/32×49-7/32
	Packing Demension (W×D×H)	inch	17-33/64×26-37/64 ×46-17/64	20-55/64×26-37/64 ×46-17/64	24-13/32×26-37/64 ×50-13/64	24-13/32×26-37/64 ×50-13/64
	Net Weight/Gross Weight	lbs	114/127	114/127	137/151	137/151
Refrigerant Piping	Liquid Side/Gas Side	inch	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)
Connecting Wiring		AWG	24V: AWG 8*3, Shielded			
Communication Type			24V	24V	24V	24V
Throttle type			Piston	Piston	Piston	Piston
Outdoor	Cooling	°F	23-125	23-125	23-125	23-125
	Heating	°F	/	/	/	/
Indoor (Setting Temp.)	Cooling	°F	60-90	60-90	60-90	60-90
	Heating	°F	/	/	/	/

CWM17 SERIES

1.5 TO
3 TONS



WALL MOUNTED AIR HANDLER

FEATURES:

■ **Easy-to-Maintain Design:**

The electrical board and fan motor can be easily removed without disassembling the evaporator, simplifying routine maintenance.

■ **Full Front Access:**

No screws on the sides allow quick access to internal components.

■ **Slide-Out Filter Design:**

Filters can be inserted or removed in a single, simple action.

■ **All-Aluminum Coil:**

Provides excellent corrosion resistance and a long service life.



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Unit	BTU	Capacity	Electrical Heater Model No.
CWM17	18/24K	5KW	EHK-05D1
		7.5KW	EHK-08D1
		10KW	EHK-10D1
CWM17	30/36K	5KW	EHK-05D
		7.5KW	EHK-08D
		10KW	EHK-10D

CWM17 SERIES

1.5 TO 3 TONS
WALL MOUNTED
AIR HANDLER



14.3 SEER2

SPECIFICATIONS:

Power Supply			CWM17-18-15	CWM17-24-15	CWM17-30-15	CWM17-36-15
Power Supply	Rated Voltage	V, Ph, Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Cooling	Capacity	Btu/h	18000	24000	30000	35000
Indoor Minimum Circuit Ampacity		A	3.5	3.5	5.0	5.0
Indoor Max. Fuse		A	6.0	6.0	6.0	6.0
Indoor Air Flow (H/L)		CFM	675/450	900/600	1125/750	1350/900
Indoor Noise Level (H/L)		dB(A)	50/43	53/46	50/43	53/46
N.A. Design Pressure		PSI	174/609	174/609	174/609	174/609
Indoor Unit	Dimension (W×D×H)	inch	20-15/32×14-61/64 ×36-1/32	20-15/32×14-61/64 ×36-1/32	22-3/64×19-3/32 ×39-9/16	22-3/64×19-3/32 ×39-9/16
	Packing Dimension (W×D×H)	inch	23-15/64×17-23/32 ×39-11/64	23-15/64×17-23/32 ×39-11/64	24-21/64×21-9/64 ×42-53/64	24-21/64×21-9/64 ×42-53/64
	Net/Gross Weight	lbs.	88/95	88/95	108/121	108/121
Liquid/Gas Side	Refrigerant Piping	inch	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)
Connecting Wiring		AWG	24V: AWG 14*3 Shielded	24V: AWG 12*3 Shielded	24V: AWG 12*3 Shielded	24V: AWG 10*3 Shielded
Communication Type			24V	24V	24V	24V
Throttle Type			Piston	Piston	Piston	Piston
Setting Temp. Range		°F	60-90	60-90	60-90	60-90

CWM17 SERIES

1.5 TO 3 TONS
WALL MOUNTED
AIR HANDLER



COMBINATION TABLES



14.3 SEER2

SPECIFICATIONS:

Outdoor Unit			BAR17-18-15	BAR17-24-15	BAR17-30-15	BAR17-36-15
Indoor Unit			CWM17-18-15	CWM17-24-15	CWM17-30-15	CWM17-36-15
Power Supply	Rated Voltage	V, Ph, Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Cooling	Capacity	Btu/h	18000	24000	30000	35000
	SEER2	Btu/h/W	14.3	14.3	14.3	14.3
	EER2	Btu/h/W	12.2	11.7	11.7	11.7
Indoor Max. Fuse		A	6.0	6.0	6.0	6.0
Indoor Air Flow (H/L)		CFM	675/450	900/600	1125/750	1350/900
Indoor Noise Level (H/L)		dB(A)	50/43	53/46	50/43	53/46
N.A. Design Pressure		PSI	174/609	174/609	174/609	174/609
Indoor Unit	Dimension (W×D×H)	inch	20-15/32×14-61/64 ×36-1/32	20-15/32×14-61/64 ×36-1/32	22-3/64×19-3/32 ×39-9/16	22-3/64×19-3/32 ×39-9/16
	Packing Dimension (W×D×H)	inch	23-15/64×17-23/32 ×39-11/64	23-15/64×17-23/32 ×39-11/64	24-21/64×21-9/64 ×42-53/64	24-21/64×21-9/64 ×42-53/64
	Net Weight/Gross Weight	lbs	88/95	88/95	108/121	108/121
Refrigerant Piping	Liquid Side/Gas Side	inch	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)
Connecting Wiring		AWG	24V: AWG 10*3 Shielded	24V: AWG 10*3 Shielded	24V: AWG 10*3 Shielded	24V: AWG 10*3 Shielded
Communication Type			24V	24V	24V	24V
Throttle type			Piston	Piston	Piston	Piston
Outdoor	Cooling	°F	23-125	23-125	23-125	23-125
	Heating	°F	/	/	/	/
Indoor (Setting Temp.)	Cooling	°F	60-90	60-90	60-90	60-90
	Heating	°F	/	/	/	/

CASED COIL

1.5 TO
3 TONS



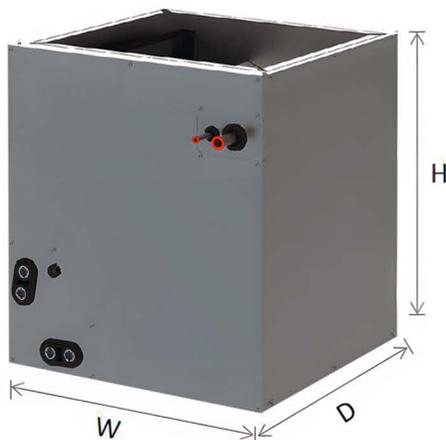
PRE-PACKAGED EVAPORATOR

FEATURES:

- **Capacity Range:**
18K–60K Btu/h to meet a variety of cooling and heating needs.
- **All-Aluminum Heat Exchanger:**
Provides excellent corrosion resistance and long service life.
- **Flexible Design:**
Multiple structures accommodate gas furnaces of different dimensions.
- **Compact Structure:**
Allows high loading quantity for easier transportation and installation.
- **Outdoor Unit Compatibility:**
Can be paired with DC inverter or on/off outdoor units for versatile system configurations.



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COIL SIZE

Model	UNIT DIMENSION (W*D*H)
	(W*D*H)
AC32-1824B-15	17-33/64x21-1/32x17-63/64
AC32-3036B-15	17-33/64x21-1/32x23-37/64
AC32-3036C-15	21-1/32x21-1/32x23-37/64
AC32-4860C-15	21-1/32x21-1/32x27-51/64
AC32-4860D-15	24-16/32x21-2/64x27-13/16

CASED COIL

1.5 TO
3 TONS



COMBINATION TABLES



14.3 SEER2

SPECIFICATIONS:

Model	Outdoor Unit		BAR17-18-15	BAR17-24-15	BAR17-30-15
	Indoor Unit		AC32-1824B-15	AC32-1824B-15	AC32-3036B-15
Power Supply	V, Ph, Hz		208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
Cooling (Standard conditions)	Rated Capacity	Btu/hr	18000	24000	30000
	SEER2	Btu/hr/W	14.3	14.3	14.3
	EER2	Btu/hr/W	12.2	11.7	11.7
Indoor coil	Number of rows		3	3	4
	Tube OD	inch	9/32	9/32	9/32
Indoor Unit	Unit Demensions (W*D*H)	inch	17-33/64*21-1/32*17-63/64	17-33/64*21-1/32*17-63/64	17-33/64*21-1/32*23-37/64
	Packing Demensions (W*D*H)	inch	20-15/32*26-49/64*20-5/64	20-15/32*26-49/64*20-5/64	20-15/32*26-49/64*25-63/64
	Net/Gross Weight	lbs	42/50	42/50	59.5/68
Compressor	Type		ROTARY	ROTARY	ROTARY
	Rated Power Input	w	1315	1710	2015
Outdoor Fan Motor	Type		BLDC Motor	BLDC Motor	BLDC Motor
	Power Input	w	200	200	200
Refrigerant System	Type/Charging volume	lbs	R32	R32/3.3	R32/4.73
	Liquid Side/Gas Side	inch	3/8	(3/8) / (3/4)	(3/8) / (3/4)
	Max. Refrigerant Pipe Length	feet	131	131	131
	Max. Difference in Level	feet	65.6	65.6	98.4
Outdoor Unit	Unit Demensions (W*D*H)	inch	23-5/8*23-5/8*25	23-5/8*23-5/8*25	29-9/64*29-9/64*25
	Packing Demensions (W*D*H)	inch	25-63/64*25-63/64*26-3/16	25-63/64*25-63/64*26-3/16	30-5/16*30-5/16*26-3/16
	Net/Gross Weight	lbs	117/123	119/126	139/148
Outdoor	Cooling	°F	23~125	23~125	23~125
	Heating	°F	/	/	/
Indoor (Setting Tem.)	Cooling	°F	60~90	60~90	60~90
	Heating	°F	/	/	/

CASED COIL 1.5 TO 3 TONS



COMBINATION TABLES



14.3 SEER2

SPECIFICATIONS:

Model	Outdoor Unit		BAR17-30-15	BAR17-36-15	BAR17-36-15
	Indoor Unit		AC32-3036C-15	AC32-3036B-15	AC32-3036C-15
Power Supply		V, Ph, Hz	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
Cooling (Standard conditions)	Rated Capacity	Btu/hr	30000	35000	35000
	SEER2	Btu/hr/W	14.3	14.3	14.3
	EER2	Btu/hr/W	11.7	11.7	11.7
Indoor coil	Number of rows		4	4	4
	Tube OD	inch	9/32	9/32	9/32
Indoor Unit	Unit Dimensions (W*D*H)	inch	21-1/32*21-1/32*23-37/64	17-33/64*21-1/32*23-37/64	21-1/32*21-1/32*23-37/64
	Packing Dimensions (W*D*H)	inch	24-1/64*26-49/64*26-63/64	20-15/32*26-49/64*25-63/64	24-1/64*26-49/64*26-63/64
	Net/Gross Weight	lbs	64/74	59.5/68	64/74
Compressor	Type		ROTARY	ROTARY	ROTARY
	Rated Power Input	w	2015	2385	2385
Outdoor Fan Motor	Type		BLDC Motor	BLDC Motor	BLDC Motor
	Power Input	w	200	200	200
Refrigerant System	Type/Charging volume	lbs	R32/4.73	R32/4.95	R32/4.95
	Liquid Side/Gas Side	inch	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)
	Max. Refrigerant Pipe Length	feet	131	131	131
	Max. Difference in Level	feet	98	98	98
Outdoor Unit	Unit Dimensions (W*D*H)	inch	29-9/64*29-9/64*25	29-9/64*29-9/64*25	29-9/64*29-9/64*25
	Packing Dimensions (W*D*H)	inch	30-5/16*30-5/16*26-3/16	30-5/16*30-5/16*26-3/16	30-5/16*30-5/16*26-3/16
	Net/Gross Weight	lbs	139/148	145/154	145/154
Outdoor	Cooling	°F	23-125	23-125	23-125
	Heating	°F	/	/	/
Indoor (Setting Tem.)	Cooling	°F	60-90	60-90	60-90
	Heating	°F	/	/	/

BAH17 SERIES

1.5 TO 3 TONS
HEAT PUMP
CONDENSING
UNIT



FEATURES:

- **Rotary Compressors**
- **Brushless DC outdoor fan motor** for improved efficiency and extended service life.
- **Refrigerant leak detection system** for added safety and system protection.
- **Refrigerant-cooled PCB design** delivers superior heat dissipation and long-term durability.
- **Precision room temperature control** with low operating noise for enhanced comfort.
- **Multiple control options** including 24VAC thermostat compatibility, optional wired control, and optional Wi-Fi control.



14.3 SEER2



BAH17 SERIES

1.5 TO 3 TONS
HEAT PUMP
CONDENSING
UNIT



14.3 SEER2

SPECIFICATIONS:

Model	Outdoor Unit		BAH17-18-15	BAH17-24-15	BAH17-30-15	BAH17-36-15
Power Supply	V, Ph, Hz		208/230, 1, 60,	208/230, 1, 60,	208/230, 1, 60,	208/230, 1, 60,
Cooling	Cooling Capacity at 95°F (35°C)	Btu/h	18000	24000	30000	34200
	Cooling Capacity at 120°F (49°C)	Btu/h	14800	20000	23100	24000
Heating	Capacity	Btu/h	17600	24000	30000	34000
Compressor	Type		On-off Rotary	On-off Rotary	On-off Rotary	On-off Rotary
Outdoor Fan Motor	Type		BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
Refrigerant	Type/Factory Charging Volume	oz	R32/52.9	R32/63.5	R32/81.1	R32/88.2
Piping Size	Liquid Side	inch	3/8	3/8	3/8	3/8
	Gas Side	inch	3/4	3/4	3/4	3/4
Sound Pressure Level		dB(A)	58	58	59	59
Max. Refrigerant Pipe Length		feet	131	131	131	131
Max. Difference in Level		feet	66	66	82	98
Outdoor Unit	Unit Dimension (W*D*H)	inch	23-5/8*23-5/8*25	23-5/8*23-5/8*25	29-9/64*29-9/64*25	29-9/64*29-9/64*25
	Packing Dimension (W*D*H)	inch	25-63/64*25-63/64*26-3/16	25-63/64*25-63/64*26-3/16	30-5/16*30-5/16*26-3/16	30-5/16*30-5/16*26-3/16
	Net/Gross Weight	lbs	117/123	119/126	139/148	145/154
Outdoor	Cooling	°F	23-125	23-125	23-125	23-125
	Heating	°F	-4-86	-4-86	-4-86	-4-86

LUC17 SERIES

1.5 TO 3 TONS

AIR HANDLER

MULTI-POSITION



COMBINATION TABLES



14.3 SEER2

SPECIFICATIONS:

Model	Outdoor Unit		BAH17-18-15	BAH17-24-15	
	Indoor Unit		LUC17-18-15	LUC17-24-15	
Power Supply		V, Ph, Hz	208/230, 1, 60,	208/230, 1, 60,	
Cooling	Cooling Capacity at 95°F(35°C)		Btu/h	18000	24000
	Cooling Capacity at 120°F(4°C)		Btu/h	14800	20000
	SEER2		Btu/W	14.3	14.3
	EER2		Btu/W	11.7	11.7
Heating	Capacity		Btu/h	17600	24000
	HSPF2		Btu/h/W	7.5	7.5
Indoor Unit					
Indoor Fan Motor	Motor Type		ECM Motor	ECM Motor	
Air Flow Volume	H/L	CFM	650/420	650/420	
External Static Pressure		inch.w.g.	0.8	0.8	
Noise Level	H/L	dB(A)	38.5/34	38.5/34	
Unit Dimension	W*D*H		inch	17-33/64*21-1/32*45	17-33/64*21-1/32*45
Packing Dimension	W*D*H		inch	20-55/64*26-37/64*46-17/64	20-55/64*26-37/64*46-17/64
Net/Gross Weight		lbs.	114/127	114/127	
Outdoor Unit					
Compressor	Type		On-off Rotary	On-off Rotary	
Outdoor Fan Motor	Type		BLDC Motor	BLDC Motor	
Refrigerant	Type		R32	R32	
	Factory Charging Volume	oz	52.91	63.49	
Piping Size	Liquid Side		inch	3/8	3/8
	Gas Side		inch	3/4	3/4
Sound Pressure Level		dB(A)	58	58	
Max. Refrigerant Pipe Length		feet	131	131	
Max. Difference in Level		feet	66	66	
Unit Dimensions	W*D*H		inch	23-5/8*23-5/8*25	23-5/8*23-5/8*25
Packing Dimensions	W*D*H		inch	25-63/64*25-63/64*26-3/16	25-63/64*25-63/64*26-3/16
Net/Gross Weight		lbs	117/123	119/126	
Ambient temp.	Cooling		°F	23-125	23-125
	Heating		°F	-4-86	-4-86
Indoor (Setting Tem.)	Cooling		°F	60-90	60-90
	Heating		°F	32-86	32-86

LUC17 SERIES

1.5 TO 3 TONS AIR HANDLER MULTI-POSITION



COMBINATION TABLES



14.3 SEER2

SPECIFICATIONS:

Model	Outdoor Unit		BAH17-30-15	BAH17-36-15	
	Indoor Unit		LUC17-30-15	LUC17-36-15	
Power Supply		V, Ph, Hz	208/230, 1, 60,	208/230, 1, 60,	
Cooling	Cooling Capacity at 95°F(35°C)		Btu/h	30000	34200
	Cooling Capacity at 120°F(4°C)		Btu/h	23100	24000
	SEER2		Btu/W	14.3	14.3
	EER2		Btu/W	11.7	11.7
Heating	Capacity		Btu/h	30000	34000
	HSPF2		Btu/h/W	7.5	7.5
Indoor Unit					
Indoor Fan Motor	Motor Type		ECM Motor	ECM Motor	
Air Flow Volume	H/L	CFM	950/520	950/520	
External Static Pressure		inch.w.g.	0.8	0.8	
Noise Level	H/L	dB(A)	40/36	40/36	
Unit Dimensions	W*D*H		inch	21-11/32*21-11/32*49-7/32	21-11/32*21-11/32*49-7/32
Packing Dimensions	W*D*H		inch	24-13/32*26-37/64*50-13/64	24-13/32*26-37/64*50-13/64
Net/Gross Weight		lbs.	137/151	137/151	
Outdoor Unit					
Compressor	Type		On-off Rotary	On-off Rotary	
Outdoor Fan Motor	Type		BLDC Motor	BLDC Motor	
Refrigerant	Type		R32	R32	
	Factory Charging Volume		oz	81.13	88.18
Piping Size	Liquid Side		inch	3/8	3/8
	Gas Side		inch	3/4	3/4
Sound Pressure Level		dB(A)	59	59	
Max. Refrigerant Pipe Length		feet	131	131	
Max. Difference in Level		feet	82	98	
Unit Dimensions	W*D*H		inch	29-9/64*29-9/64*25	29-9/64*29-9/64*25
Packing Dimensions	W*D*H		inch	30-5/16*30-5/16*26-3/16	30-5/16*30-5/16*26-3/16
Net/Gross Weight		lbs	139/148	145/154	
Ambient temp.	Cooling		°F	23-125	23-125
	Heating		°F	-4-86	-4-86
Indoor (Setting Tem.)	Cooling		°F	60-90	60-90
	Heating		°F	32-86	32-86

CWM17 SERIES

1.5 TO 3 TONS
WALL MOUNTED
AIR HANDLER



COMBINATION TABLES



14.3 SEER2

SPECIFICATIONS:

Model	Outdoor Unit		BAH17-18-15	BAH17-24-15	BAH17-30-15	BAH17-36-15
	Indoor Unit		CWM17-18-15	CWM17-24-15	CWM17-30-15	CWM17-36-15
Power Supply	V, Ph, Hz		208/230, 1, 60,	208/230, 1, 60,	208/230, 1, 60,	208/230, 1, 60,
Cooling	Cooling Capacity at 95°F(35°C)	Btu/h	18000	24000	30000	34200
	SEER2	Btu/W	14.3	14.3	14.3	14.3
	EER2	Btu/W	11.7	11.7	11.7	11.7
Heating	Capacity	Btu/h	17600	24000	30000	34000
	HSPF2	Btu/h/W	7.5	7.5	7.5	7.5
Indoor Unit						
Indoor Fan Motor	Motor Type		ECM Motor	ECM Motor	ECM Motor	ECM Motor
Air Flow Volume	H/L	CFM	650/420	650/420	950/520	950/520
External Static Pressure		inch.w.g.	0.8	0.8	0.8	0.8
Noise level	H/L	dB(A)	50/43	53/46	50/43	53/46
Unit Dimensions	W*D*H	inch	20-15/32*14-61/64*36-1/32	20-15/32*14-61/64*36-1/32	22-3/64*19-3/32*39-9/16	22-3/64*19-3/32*39-9/16
Packing Dimensions	W*D*H	inch	23-15/64*17-23/32*39-11/64	23-15/64*17-23/32*39-11/64	24-21/64*21-9/64*42-53/64	24-21/64*21-9/64*42-53/64
Net/Gross Weight		lbs.	88/95	88/95	108/121	108/121
Outdoor Unit						
Compressor	Type		On-off Rotary	On-off Rotary	On-off Rotary	On-off Rotary
Outdoor fan motor	Type		BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
Refrigerant	Type		R32	R32	R32	R32
	Factory Charging Volume	oz	52.91	63.49	81.13	88.18
Piping Size	Liquid Side	inch	3/8	3/8	3/8	3/8
	Gas Side	inch	3/4	3/4	3/4	3/4
Sound Pressure Level		dB(A)	58	58	59	59
Max. Refrigerant Pipe Length		feet	131	131	131	131
Max. Difference in Level		feet	66	66	82	98
Unit Dimension	W*D*H	inch	23-5/8*23-5/8*25	23-5/8*23-5/8*25	29-9/64*29-9/64*25	29-9/64*29-9/64*25
Packing Dimension	W*D*H	inch	25-63/64*25-63/64*26-3/16	25-63/64*25-63/64*26-3/16	30-5/16*30-5/16*26-3/16	30-5/16*30-5/16*26-3/16
Net/Gross Weight		lbs	117/123	119/126	139/148	145/154
Outdoor	Cooling	°F	23-125	23-125	23-125	23-125
	Heating	°F	-4-86	-4-86	-4-86	-4-86
Indoor (Setting Tem.)	Cooling	°F	60-90	60-90	60-90	60-90
	Heating	°F	32-86	32-86	32-86	32-86

MATCHING TABLES



14.3 SEER2



LUC17 & BAR17 SERIES

Indoor Unit	Outdoor Unit	Cooling Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)
LUC17-18-15	BAR17-18-15	18000	14.3	12.5
LUC17-24-15	BAR17-24-15	24000	14.3	11.8
LUC17-30-15	BAR17-30-15	30000	14.3	12.2
LUC17-36-15	BAR17-36-15	35000	14.3	12.2



CWM17 & BAR17 SERIES

Indoor Unit	Outdoor Unit	Cooling Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)
CWM17-18-15	BAR17-18-15	18000	14.3	12.2
CWM17-24-15	BAR17-24-15	24000	14.3	11.7
CWM17-30-15	BAR17-30-15	30000	14.3	11.7
CWM17-36-15	BAR17-36-15	35000	14.3	11.7



AC32 & BAR17 SERIES

Indoor Unit	Outdoor Unit	Cooling Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)
AC32-1824B-15	BAR17-18-15	18000	14.3	12.2
AC32-1824B-15	BAR17-24-15	24000	14.3	11.7
AC32-3036B-15	BAR17-30-15	30000	14.3	11.7
AC32-3036C-15	BAR17-30-15	30000	14.3	11.7
AC32-3036B-15	BAR17-36-15	35000	14.3	11.7
AC32-3036C-15	BAR17-36-15	35000	14.3	11.7



LUC17 & BAH17 SERIES

Indoor Unit	Outdoor Unit	Cooling Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)	Heating Capacity (Btu/h)	HSPF2-4 (Btu/h/W)
LUC17-18-15	BAH17-18-15	18000	14.3	11.7	17600	7.5
LUC17-24-15	BAH17-24-15	24000	14.3	11.7	24000	7.5
LUC17-30-15	BAH17-30-15	30000	14.3	11.7	30000	7.5
LUC17-36-15	BAH17-36-15	34200	14.3	11.7	34000	7.5



CWM17 & BAH17 SERIES

Indoor Unit	Outdoor Unit	Cooling Capacity (Btu/h)	SEER2 (Btu/h/W)	EER2 (Btu/h/W)	Heating Capacity (Btu/h)	HSPF2-4 (Btu/h/W)
CWM17-18-15	BAH17-18-15	18000	14.3	11.7	17600	7.5
CWM17-24-15	BAH17-24-15	24000	14.3	11.7	24000	7.5
CWM17-30-15	BAH17-30-15	30000	14.3	11.7	30000	7.5
CWM17-36-15	BAH17-36-15	34200	14.3	11.7	34000	7.5



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1.5 TO
3 TONS



14.3 SEER2



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