

# 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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# 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.



# BAR17 SERIES

1.5 TO 3 TONS  
TOP DISCHARGE  
CONDENSING UNIT



**14.3 SEER2**

## SPECIFICATIONS:

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



**14.3** SEER2



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



**14.3** SEER2



Unit	BTU	Capacity	Electrical Heater Model No.
CWM17	18/24K	5KW	EHK-05D1
		7.5KW	EHK-08D1
		10KW	EHK-10D1
	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
<b>Power Supply</b>	<b>Rated Voltage</b>	V, Ph, Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
<b>Cooling</b>	<b>Capacity</b>	Btu/h	18000	24000	30000	35000
	<b>SEER2</b>	Btu/h/W	14.3	14.3	14.3	14.3
	<b>EER2</b>	Btu/h/W	12.2	11.7	11.7	11.7
<b>Indoor Max. Fuse</b>		A	6.0	6.0	6.0	6.0
<b>Indoor Air Flow (H/L)</b>		CFM	675/450	900/600	1125/750	1350/900
<b>Indoor Noise Level (H/L)</b>		dB(A)	50/43	53/46	50/43	53/46
<b>N.A. Design Pressure</b>		PSI	174/609	174/609	174/609	174/609
<b>Indoor Unit</b>	<b>Dimension (W×D×H)</b>	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
	<b>Packing Dimension (W×D×H)</b>	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
	<b>Net Weight/Gross Weight</b>	lbs	88/95	88/95	108/121	108/121
<b>Refrigerant Piping</b>	<b>Liquid Side/Gas Side</b>	inch	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)	(3/8) / (3/4)
<b>Connecting Wiring</b>		AWG	24V: AWG 10*3 Shielded	24V: AWG 10*3 Shielded	24V: AWG 10*3 Shielded	24V: AWG 10*3 Shielded
<b>Communication Type</b>			24V	24V	24V	24V
<b>Throttle type</b>			Piston	Piston	Piston	Piston
<b>Outdoor</b>	<b>Cooling</b>	°F	23-125	23-125	23-125	23-125
	<b>Heating</b>	°F	/	/	/	/
<b>Indoor (Setting Temp.)</b>	<b>Cooling</b>	°F	60-90	60-90	60-90	60-90
	<b>Heating</b>	°F	/	/	/	/

# CASED COIL

1.5 TO  
3 TONS



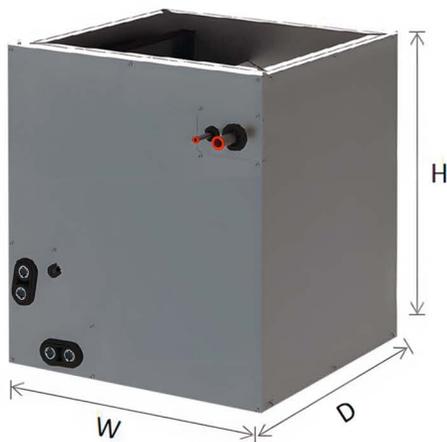
## PRE-PACKAGED EVAPORATOR

### 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.



**14.3 SEER2**



### 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
<b>Power Supply</b>	V, Ph, Hz		208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
<b>Cooling (Standard conditions)</b>	<b>Rated Capacity</b>	Btu/hr	18000	24000	30000
	<b>SEER2</b>	Btu/hr/W	14.3	14.3	14.3
	<b>EER2</b>	Btu/hr/W	12.2	11.7	11.7
<b>Indoor coil</b>	<b>Number of rows</b>		3	3	4
	<b>Tube OD</b>	inch	9/32	9/32	9/32
<b>Indoor Unit</b>	<b>Unit Demension(W*D*H)</b>	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
	<b>Packing Demension(W*D*H)</b>	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
	<b>Net/Gross Weight</b>	lbs	42/50	42/50	59.5/68
<b>Compressor</b>	<b>Type</b>		ROTARY	ROTARY	ROTARY
	<b>Rated Power Input</b>	w	1315	1710	2015
<b>Outdoor Fan Motor</b>	<b>Type</b>		BLDC Motor	BLDC Motor	BLDC Motor
	<b>Power Input</b>	w	200	200	200
<b>Refrigerant System</b>	<b>Type/Charging volume</b>	lbs	R32	R32/3.3	R32/4.73
	<b>Liquid Side/Gas Side</b>	inch	3/8	(3/8) / (3/4)	(3/8) / (3/4)
	<b>Max. Refrigerant Pipe Length</b>	feet	131	131	131
	<b>Max. Difference in Level</b>	feet	65.6	65.6	98.4
<b>Outdoor Unit</b>	<b>Unit Demension (W*D*H)</b>	inch	23-5/8*23-5/8*25	23-5/8*23-5/8*25	29-9/64*29-9/64*25
	<b>Packing Demension(W*D*H)</b>	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
	<b>Net/Gross Weight</b>	lbs	117/123	119/126	139/148
<b>Outdoor</b>	<b>Cooling</b>	°F	23~125	23~125	23~125
	<b>Heating</b>	°F	/	/	/
<b>Indoor (Setting Tem.)</b>	<b>Cooling</b>	°F	60~90	60~90	60~90
	<b>Heating</b>	°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 Demension(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 Demension(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 Demension (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 Demension(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,
Heating	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
Compressor	Capacity	Btu/h	17600	24000	30000	34000
Outdoor Fan Motor	Type		On-off Rotary	On-off Rotary	On-off Rotary	On-off Rotary
Refrigerant	Type		BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
Piping Size	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	
<b>Power Supply</b>		V, Ph, Hz	208/230, 1, 60,	208/230, 1, 60,	
<b>Cooling</b>	<b>Cooling Capacity at 95°F(35°C)</b>		Btu/h	18000	24000
	<b>Cooling Capacity at 120°F(4°C)</b>		Btu/h	14800	20000
	<b>SEER2</b>	<b>Btu/W</b>	<b>14.3</b>	<b>14.3</b>	
	<b>EER2</b>	<b>Btu/W</b>	<b>11.7</b>	<b>11.7</b>	
<b>Heating</b>	<b>Capacity</b>		Btu/h	17600	24000
	<b>HSPF2</b>		Btu/h/W	7.5	7.5
<b>Indoor Unit</b>					
<b>Indoor Fan Motor</b>	<b>Motor Type</b>		ECM Motor	ECM Motor	
<b>Air Flow Volume</b>	H/L	CFM	650/420	650/420	
<b>External Static Pressure</b>		inch.w.g.	0.8	0.8	
<b>Noise Level</b>	H/L	dB(A)	38.5/34	38.5/34	
<b>Unit Dimension</b>	<b>W*D*H</b>		mm	445*534*1143	445*534*1143
	<b>W*D*H</b>		inch	17-33/64*21-1/32*45	17-33/64*21-1/32*45
<b>Packing Dimension</b>	<b>W*D*H</b>		mm	530*675*1175	530*675*1175
	<b>W*D*H</b>		inch	20-55/64*26-37/64*46-17/64	20-55/64*26-37/64*46-17/64
<b>Net/Gross Weight</b>		kg	51.5/57.5	51.5/57.5	
		lbs.	114/127	114/127	
<b>Outdoor Unit</b>					
<b>Compressor</b>	<b>Type</b>		On-off Rotary	On-off Rotary	
<b>Outdoor Fan Motor</b>	<b>Type</b>		BLDC Motor	BLDC Motor	
<b>Refrigerant</b>	<b>Type</b>		R32	R32	
	<b>Factory Charging Volume</b>		kg	1.50	1.80
<b>Piping Size</b>	<b>Liquid Side</b>		inch	3/8	3/8
	<b>Gas Side</b>		inch	3/4	3/4
<b>Sound Pressure Level</b>		dB(A)	58	58	
<b>Max. Refrigerant Pipe Length</b>		feet	131	131	
<b>Max. Difference in Level</b>		feet	66	66	
<b>Unit Dimension</b>	<b>W*D*H</b>		mm	600*600*635	600*600*635
	<b>W*D*H</b>		inch	23-5/8*23-5/8*25	23-5/8*23-5/8*25
<b>Packing Dimension</b>	<b>W*D*H</b>		mm	660*660*665	660*660*665
	<b>W*D*H</b>		inch	25-63/64*25-63/64*26-3/16	25-63/64*25-63/64*26-3/16
<b>Net/Gross Weight</b>		kg	53/56	54/57	
		lbs	117/123	119/126	
<b>Outdoor</b>	<b>Cooling</b>		°F	23-125	23-125
	<b>Heating</b>		°F	-4-86	-4-86
<b>Indoor (Setting Tem.)</b>	<b>Cooling</b>		°F	60-90	60-90
	<b>Heating</b>		°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
<b>Power Supply</b>		V, Ph, Hz	208/230, 1, 60,	208/230, 1, 60,
<b>Cooling</b>	<b>Cooling Capacity at 95°F(35°C)</b>	Btu/h	30000	34200
	<b>Cooling Capacity at 120°F(4°C)</b>	Btu/h	23100	24000
	<b>SEER2</b>	Btu/W	14.3	14.3
	<b>EER2</b>	Btu/W	11.7	11.7
<b>Heating</b>	<b>Capacity</b>	Btu/h	30000	34000
	<b>HSPF2</b>	Btu/h/W	7.5	7.5
<b>Indoor Unit</b>				
<b>Indoor Fan Motor</b>	<b>Motor Type</b>		ECM Motor	ECM Motor
<b>Air Flow Volume</b>	<b>H/L</b>	CFM	950/520	950/520
<b>External Static Pressure</b>		inch.w.g.	0.8	0.8
<b>Noise Level</b>	<b>H/L</b>	dB(A)	40/36	40/36
<b>Unit Dimension</b>	<b>W*D*H</b>	mm	534*534*1245	534*534*1245
	<b>W*D*H</b>	inch	21-1/32*21-1/32*49-7/32	21-1/32*21-1/32*49-7/32
<b>Packing Dimension</b>	<b>W*D*H</b>	mm	620*675*1275	620*675*1275
	<b>W*D*H</b>	inch		24-13/32*26-37/64*50-13/64
<b>Net/Gross Weight</b>		kg	62/68.5	62/68.5
		lbs.	137/151	137/151
<b>Outdoor Unit</b>				
<b>Compressor</b>	<b>Type</b>		On-o ffRotary	On-o ffRotary
<b>Outdoor Fan Motor</b>	<b>Type</b>		BLDC Motor	BLDC Motor
<b>Refrigerant</b>	<b>Type</b>		R32	R32
	<b>Factory Charging Volume</b>	kg	2.30	2.50
<b>Piping Size</b>	<b>Liquid Side</b>	inch	3/8	3/8
	<b>Gas Side</b>	inch	3/4	3/4
<b>Sound Pressure Level</b>		dB(A)	59	59
<b>Max. Refrigerant Pipe Length</b>		feet	131	131
<b>Max. Difference in Level</b>		feet	82	98
<b>Unit Dimension</b>	<b>W*D*H</b>	mm	740*740*635	740*740*635
	<b>W*D*H</b>	inch	29-9/64*29-9/64*25	29-9/64*29-9/64*25
<b>PackingDimension</b>	<b>W*D*H</b>	mm	770*770*665	770*770*665
	<b>W*D*H</b>	inch	30-5/16*30-5/16*26-3/16	30-5/16*30-5/16*26-3/16
<b>Net/Gross Weight</b>		kg	63.1/67	65.9/70
		lbs	139/148	145/154
<b>Outdoor</b>	<b>Cooling</b>	°F	23-125	23-125
	<b>Heating</b>	°F	-4-86	-4-86
<b>Indoor (Setting Tem.)</b>	<b>Cooling</b>	°F	60-90	60-90
	<b>Heating</b>	°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
<b>Power Supply</b>	V, Ph, Hz		208/230, 1, 60,	208/230, 1, 60,	208/230, 1, 60,	208/230, 1, 60,
<b>Cooling</b>	<b>Cooling Capacity at 95°F(35°C)</b>	Btu/h	18000	24000	30000	34200
	<b>SEER2</b>	Btu/W	14.3	14.3	14.3	14.3
	<b>EER2</b>	Btu/W	11.7	11.7	11.7	11.7
<b>Heating</b>	<b>Capacity</b>	Btu/h	17600	24000	30000	34000
	<b>HSPF2</b>	Btu/h/W	7.5	7.5	7.5	7.5
<b>Indoor Unit</b>						
<b>Indoor Fan Motor</b>	<b>Motor Type</b>		ECM Motor	ECM Motor	ECM Motor	ECM Motor
<b>Air Flow Volume</b>	H/L	CFM	650/420	650/420	950/520	950/520
<b>External Static Pressure</b>		inch.w.g.	0.8	0.8	0.8	0.8
<b>Noise level</b>	H/L	dB(A)	50/43	53/46	50/43	53/46
<b>Unit Dimension</b>	W*D*H	mm	520*380*915	520*380*915	560*485*1005	560*485*1005
	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
<b>Packing Dimension</b>	W*D*H	mm	580*436*995	580*436*995	620*538*1085	620*538*1085
	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
<b>Net/ Gross Weight</b>	<b>Piston</b>	kg	39.9 / 43.1	39.9 / 43.1	48.9 / 54.9	48.9 / 54.9
		lbs.	88/95	88/95	108/121	108/121
<b>Outdoor Unit</b>						
<b>Compressor</b>	<b>Type</b>		On-off Rotary	On-off Rotary	On-off Rotary	On-off Rotary
<b>Outdoor fan motor</b>	<b>Type</b>		BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
<b>Refrigerant</b>	<b>Type</b>		R32	R32	R32	R32
	<b>Factory Charging Volume</b>	kg	1.50	1.80	2.30	2.50
<b>Piping Size</b>	<b>Liquid Side</b>	inch	3/8	3/8	3/8	3/8
	<b>Gas Side</b>	inch	3/4	3/4	3/4	3/4
<b>Sound Pressure Level</b>		dB(A)	58	58	59	59
<b>Max. Refrigerant Pipe Length</b>		feet	131	131	131	131
<b>Max. Difference in Level</b>		feet	66	66	82	98
<b>Unit Dimension</b>	W*D*H	mm	600*600*635	600*600*635	740*740*635	740*740*635
	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
<b>Packing Dimension</b>	W*D*H	mm	660*660*665	660*660*665	770*770*665	770*770*665
	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
<b>Net/ Gross Weight</b>		kg	53/56	54/57	63.1/67	65.9/70
		lbs	117/123	119/126	139/148	145/154
<b>Outdoor</b>	<b>Cooling</b>	°F	23~125	23-125	23-125	23-125
	<b>Heating</b>	°F	-4-86	-4-86	-4-86	-4-86
<b>Indoor (Setting Tem.)</b>	<b>Cooling</b>	°F	60-90	60-90	60-90	60-90
	<b>Heating</b>	°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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