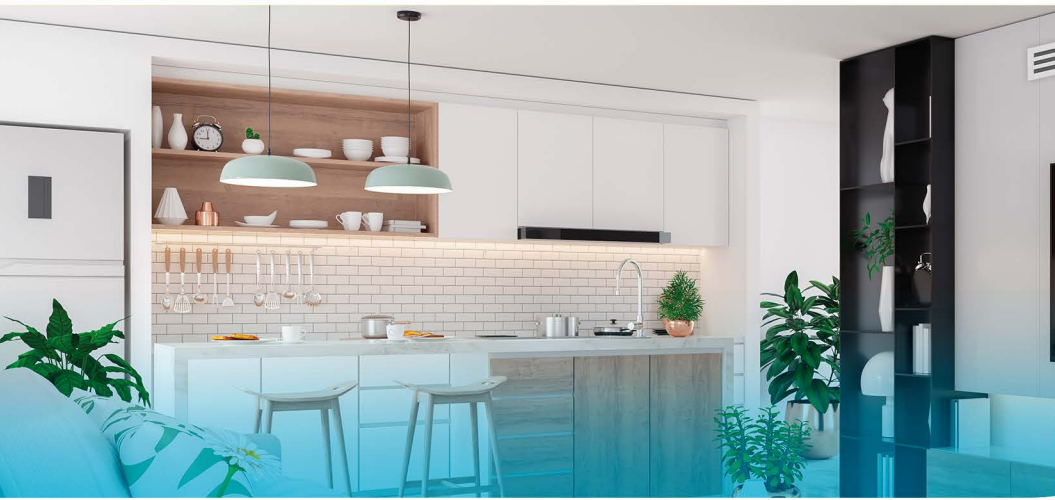


ComfortStar®

Air Conditioning and Heating
Residential Product Line



BAR4 Series

1.5 up to 5 Tons

14.3 SEER2



12201 N. W. 107th Avenue | Medley, FL 33178 **Toll Free:** 1-866-524-9898 | **Phone:** 1-305-500-9898 | **Fax:** 1-305-500-9896
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Comfort, it's in our name

BAR4 Series

Top Discharge Condensing Unit

1.5 Tons up to 5 Tons

14.3 SEER2



BAR4 Series



LUC4 Series



CWM4 Series

FEATURES:

- Low pressure protection
- High pressure protection
- Wide operating temperature range
- Cooling range: 57°F - 115°F
- Heating range: 19°F - 75°F
- High efficiency condenser with inner groove copper tube and aluminum fin.



BAR4 Series

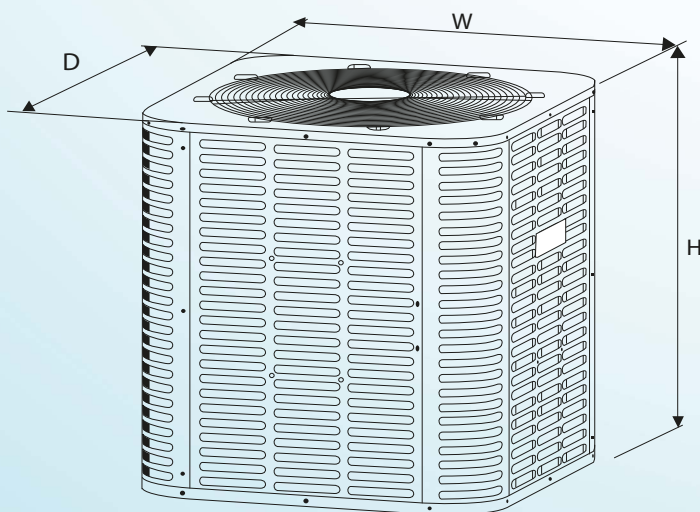
Top Discharge Condensing Unit

1.5 up to 5 Tons

14.3 SEER2

SPECIFICATION:

- High Efficiency scroll compressor
- R410a environmentally friendly refrigerant.
- 3 Speed Dc Fan Motor
- Safe, reliable, and can be used with third-party IDUs.
- Powder painted galvanized steel cabinet.



DIMENSIONS:

Model name	Dimension (W×H×D) (inch)	Power supply
BAR4-18-15	21-4/5x25x21-4/5	208/230V-1Ph-60Hz
BAR4-24-15	21-4/5x25x21-4/5	208/230V-1Ph-60Hz
BAR4-30-15	29-1/7x25x29-1/7	208/230V-1Ph-60Hz
BAR4-36-15	29-1/7x25x29-1/7	208/230V-1Ph-60Hz
BAR4-42-15	29-1/7x32-7/8x29-1/7	208/230V-1Ph-60Hz
BAR4-48-15	29-1/7x32-7/8x29-1/7	208/230V-1Ph-60Hz
BAR4-60-15	29-1/7x32-7/8x29-1/7	208/230V-1Ph-60Hz



BAR4 Series Condensing Unit

14.3 SEER2



1.5 up to 5 Tons

SPECIFICATION TOP DISCHARGE CONDENSING UNIT

Model			BAR4-18-15	BAR4-24-15	BAR4-30-15	BAR4-36-15
Outdoor power supply		V/Ph/Hz	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ
Compressor	Type		Scroll	Scroll	Scroll	Scroll
Outdoor fan motor	TYPE		ECM	ECM	ECM	ECM
	Output	W	200	200	200	200
	Rate current	A	1.1	1.1	1.3	1.3
	Speed	rpm	850	950	950	950
Outdoor air flow		cfm	1780	1990	3350	3350
Outdoor noise level		dB(A)	60	60	61	61
Throttling type			Piston	Piston	Piston	Piston
Outdoor dimension	Unit (WxHxD)	in	21-4/5 x 25 x 21-4/5	21-4/5 x 25 x 21-4/5	29-1/7x25x29-1/7	29-1/7x25x29-1/7
	Packing (WxHxD)	in	22-3/5x25-9/10x22-3/5	22-3/5x25-9/10x22-3/5	29-9/10x25-9/10x29-9/10	29-9/10x25-9/10x29-9/10
	Net / Gross weight	lbs	122/128	123/129	152/162	152/162
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charging	oz	84.65	98.76	111.11	112.87
Refrigerant pipe	Liquid side	in	3/8	3/8	3/8	3/8
	Gas side	in	3/4	3/4	3/4	3/4
	Max. refrigerant pipe length	ft	50	50	50	50
	Max. difference in level	ft	26	26	26	26
Design pressure		MPa	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2
Max pressure		MPa	4.20	4.20	4.20	4.20
Operating temp range	Cooling	°F	57-115	57-115	57-115	57-115
	Heating	°F	19-75	19-75	19-75	19-75



BAR4 Series Condensing Unit

14.3 SEER2



1.5 up to 5 Tons

SPECIFICATION TOP DISCHARGE CONDENSING UNIT

Model			BAR4-42-15	BAR4-48-15	BAR4-60-15
Outdoor power supply		V/Ph/Hz	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ
Compressor	Type		Scroll	Scroll	Scroll
Outdoor fan motor	TYPE		ECM	ECM	ECM
	Output	W	200	200	200
	Rate current	A	1.6	1.6	1.6
	Speed	rpm	1050	1050	1050
Outdoor air flow		cfm	3820	3820	3820
Outdoor noise level		dB(A)	63	63	63
Throttling type			Piston	Piston	Piston
Outdoor dimension	Unit (WxHxD)	in	29-1/7x32-7/8x29-1/7	29-1/7x32-7/8x29-1/7	29-1/7x32-7/8x29-1/7
	Packing (WxHxD)	in	29-9/10x34-2/5x29-9/10	29-9/10x34-2/5x29-9/10	29-9/10x34-2/5x29-9/10
	Net / Gross weight	lbs	187/196	188/197	207/216
Refrigerant	Type		R410A	R410A	R410A
	Charging	oz	137.56	144.62	185.18
Refrigerant pipe	Liquid side	in	3/8	3/8	3/8
	Gas side	in	3/4	7/8	7/8
	Max. refrigerant pipe length	ft	66	66	66
	Max. difference in level	ft	33	33	33
Design pressure		MPa	4.0/1.2	4.0/1.2	4.0/1.2
Max pressure		MPa	4.20	4.20	4.20
Operating temp range	Cooling	°F	57-115	57-115	57-115
	Heating	°F	19-75	19-75	19-75



LUC4 Series

Multi-Position
Air Handler

UP TO
14.3 SEER2

1.5 Tons up to 5 Tons
18,000 Thru
60,000 btu



LUC4 Series

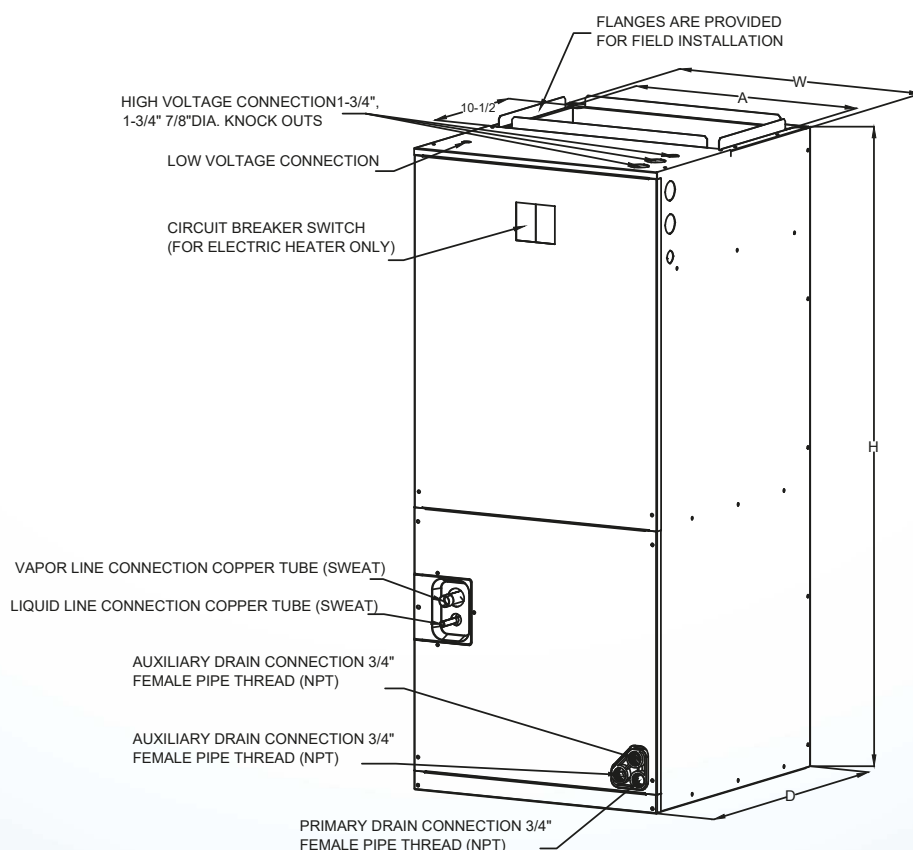
Multi-Position Air Handler

UP TO
14.3 SEER2

1.5 up to 5 Tons

FEATURES:

- All-aluminum tubes & fins.
- Factory sealed cabinet helps achieve 2% or less leakage rate
- Multi-position Installation .
- Horizontal and vertical condensate drain pans standard.
- AHRI / ETL
- Blower wheel and coil easily slide out for better maintenance
- Field Installed heater kits are optional: 5/7.5/10/15/20kW.
- Multi-speed constant torque ECM blower motor
- Factory installed piston
- Mobile Home Certification.



HEATING KIT (OPTIONAL)

PART No.	DESCRIPTION
CHE-05	5kw
CHE-05B	5kw with breaker
CHE-08	8kw
CHE-08B	8kw with breaker
CHE-10	10kw
CHE-10B	10kw with breaker
CHE-15B	15kw with breaker
CHE-20B	20kw with breaker

UNIT DIMENSION AND WEIGHTS

Model	Dimension Inches [mm]				
	Height "H"	Width "W"	Dimension "D"	Air Outlet "A"	Liquid Lin / Vapor Line
18K	45-3/4 [1162]	19-2/3 [500]	22 [560]	17-7/8 [454]	3/8 / 3/4 [9.5]/[19]
24K	45-3/4 [1162]	19-2/3 [500]	22 [560]	17-7/8 [454]	3/8 / 3/4 [9.5]/[19]
36K	45-3/4 [1162]	19-2/3 [500]	22 [560]	17-7/8 [454]	3/8 / 3/4 [9.5]/[19]
42K	45-3/4 [1162]	19-2/3 [500]	22 [560]	17-7/8 [454]	3/8 / 3/4 [9.5]/[19]
48K	53-1/8 [1350]	22 [560]	24 [623]	19-1/2 [496]	3/8 / 7/8 [9.5]/[22]
60K	53-1/8 [1350]	22 [560]	24 [623]	19-1/2 [496]	3/8 / 7/8 [9.5]/[22]

LUC4 Series

Air Handler

Multi-Position

UP TO
14.3 SEER2

1.5 Tons up to 5 Tons
18,000 Thru
60,000 btu



SPECIFICATION AIR HANDLER UNIT

Model			LUC4-18-15	LUC4-24-15	LUC4-30-15	LUC4-36-15
Power supply			V/Ph/Hz	208~230V/1N/60Hz	208~230V/1N/60Hz	208~230V/1N/60Hz
Cooling	Capacity	Btu/h	17600	23600	28000	33000
	SEER2	Btu/h.W	14.30	14.30	14.30	14.30
Indoor fan motor	Type		ECM	ECM	ECM	ECM
	Rate current	A	2.6	2.6	3.8	3.8
	Width	in	12 29/32	12 29/32	12 29/32	12 29/32
Indoor air flow		cfm	678	742	1042	1042
Indoor noise level		dB(A)	50	54	56	56
Indoor dimension	Unit (WxHxD)	in	19-2/345-3/422	19-2/345-3/422	19-2/345-3/422	19-2/345-3/422
	Packing (WxHxD)	in	22-5/647-5/825-3/5	22-5/647-5/825-3/5	22-5/647-5/825-3/5	22-5/647-5/825-3/5
	Net / Gross weight	lbs	123/134	130/141	132/143	134/146
Shipping per STD 20/40/40HQ			30/60/120	30/60/120	30/60/120	30/60/120

Model			LUC4-42-15	LUC4-48-15	LUC4-60-15
Power supply			V/Ph/Hz	208~230V/1N/60Hz	208~230V/1N/60Hz
Cooling	Capacity	Btu/h	39000	47000	56000
	SEER2	Btu/h.W	14.30	13.80	13.80
Indoor fan motor	Type		ECM	ECM	ECM
	Rate current	A	5.4	5.4	5.4
	Width	in	12 29/32	12 29/32	12 29/32
Indoor air flow		cfm	1230	1363	1580
Indoor noise level		dB(A)	59	57	60
Indoor dimension	Unit (WxHxD)	in	19-2/345-3/422	22 53-1/824	22 53-1/824
	Packing (WxHxD)	in	22-5/647-5/825-3/5	28 54-3/425-1/5	28 54-3/425-1/5
	Net / Gross weight	lbs	137/148	176/190	176/190
Shipping per STD 20/40/40HQ			30/60/120	27/54/54	27/54/54



CWM4 Series

Wall Mounted Air Handler

UP TO
15.2 SEER2

1.5 up to 3 Tons
18,000 Thru
36,000 btu



FEATURES:

- Multi-speed ECM motor.
- Thermoplastic drain pan with bottom primary and secondary drain connections.
- Built-in filter rack.
- Wall-hanging bracket provided.
- Front or bottom return available.
- Optional heating elements of 5kW, 8kW, and 10kW.
- All aluminum coil.



SPECIFICATION WALL MOUNTED AIR HANDLER UNIT

Model			CWM4-18-15	CWM4-24-15	CWM4-30-15	CWM4-36-15
Cooling	Capacity	Btu/h	18000	23600	28000	34000
	SEER2	Btu/h.W	11.7	11.7	11.7	11.70
	EER2	Btu/h.W	14.3	14.3	14.3	14.3
Indoor fan motor	Type		ECM	ECM	ECM	ECM
	Rate current	A	2.4	2.4	3.8	3.8
	Speed	rpm	1050	1050	1050	1050
Indoor air flow		cfm	620	710	1010	1080
Indoor noise level		dB(A)	48.5	49.5	52.5	53.5
Throttling type			Piston	Piston	Piston	Piston
Indoor coil	Evaporator type		Copper tube&Aluminum foil	Copper tube&Aluminum foil	Copper tube&Aluminum foil	Copper tube&Aluminum foil
	Number of row		5 rows 11u	5 rows 11u	5 rows 14u	5 rows 14u
	Tube pitch(a)xrow pitch(b)	in	0.83x0.53	0.83x0.53	0.83x0.53	0.83x0.53
	Fin spacing	in	1/17	1/17	1/17	1/17
	Evaporator dimension(W*H*D)	in	17"x18-1/5"x2-3/5"	17"x18-1/5"x2-3/5"	18-1/2"x23-3/20"x2-3/5"	18-1/2"x23-3/20"x2-3/5"
Electric heater		kw	5/7.5/10kW	5/7.5/10kW	5/7.5/10kW	5/7.5/10kW
Indoor dimension	Unit dimension(W*D*H)	in	20-1/2"x15"x36-1/2"	20-1/2"x15"x36-1/2"	21-9/10"x17-1/2"x39-1/2"	21-9/10"x17-1/2"x39-1/2"
	Packing (WxDxH)	in	23-3/7"x17-1/2"x39-1/2"	23-3/7"x17-1/2"x39-1/2"	24-1/2"x21-4/5"x42-1/10"	24-1/2"x21-4/5"x42-1/10"
	Net / Gross weight	lbs	88/101	88/101	106/124.4	106/124.4



SPECIFICATION:

High voltage connecti
on 1-1/8" 298 mm) dia
knock outs

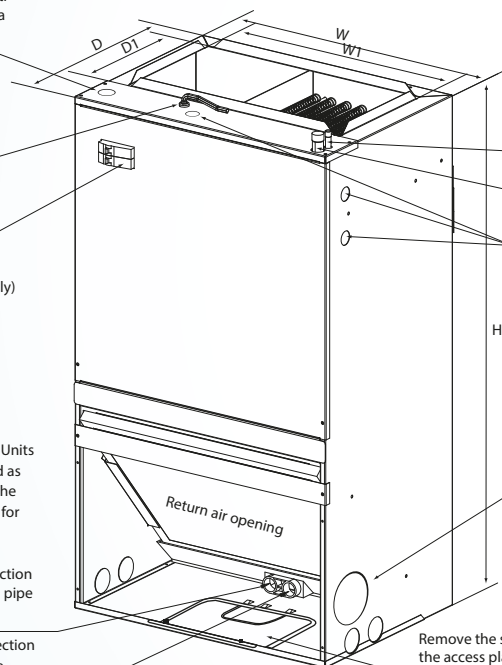
Low voltage
connection

Breaker switch
(comes with
access ory
electric heater only)

Front return shown. Units
may also be installed as
bottom return. See the
applications section for
more detail.

Primary drain connection
3/4" (19 mm) female pipe
thread (fpt)

Auxiliary drain connection
3/4" (19 mm) female
pipe thread (fpt)



Liquid line cormection
copper (sweat)

Vapor line cormection
copper (sweat)

High voltage connection
7/8" (22 mm) dia
knock outs
(both sides of unit)
Some heater sizes may
require a conduit larger than
the 7/8" (22 mm) opening;
in this situation the high-voltage
connection opening should be
enlarged to fit conduit.

Fresh air intakes,
4" (101.6mm) dia
knock outs on the
both sides of the unit.

Remove the screws and
the access plate for drain
lines service.



UNIT DIMENSION AND WEIGHTS

Model	Dimension [IN.]					Unit Weight/Shipping Weight Lbs.
	Unit Height "H" IN.	Unit Width "W" IN.	Unit Width "W1" IN.	Unit Depth "D" IN.	Unit Depth "D1" IN.	
18K/24K	36-1/2	20-1/2	17-2/5	15	9-1/2	92/101
30K/36K	39-1/2	21-9/10	18-4/5	17-1/2	9-1/2	97/119

MATCHING TABLE

CWM4

Outdoor Unit	Indoor Unit	Cooling Capacity	EER2	SEER2
BAR4-18-15	CWM4-18-15	18000	11.7	14.3
BAR4-24-15	CWM4-24-15	23600	11.7	14.3
BAR4-30-15	CWM4-30-15	28000	11.7	14.3
BAR4-36-15	CWM4-36-15	34000	11.7	14.3

LUC4

Outdoor Unit	Indoor Unit	Cooling Capacity	EER2	SEER2
BAR4-18-15	LUC4-18-15	17600	11.7	14.3
BAR4-24-15	LUC4-24-15	23600	11.7	14.3
BAR4-30-15	LUC4-30-15	28000	11.7	14.3
BAR4-36-15	LUC4-36-15	33000	11.7	14.3
BAR4-42-15	LUC4-42-15	39000	11.7	14.3
BAR4-48-15	LUC4-48-15	47000	11.2	13.8
BAR4-60-15	LUC4-60-15	56000	11.2	13.8



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14.3 SEER2



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