

**14.3
SEER2**

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2454B

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GOLDFIN™
TECHNOLOGY



CAC-AHC-FAHC-15 SERIES

SPLIT SYSTEM

COOLING ONLY & HEAT PUMP

ON/OFF

CAC-AHC-FAHC-15 SERIES


CAC-15 Series (Top-Discharge Condensing Unit) Cooling Only Technical Specifications

Model		CAC1814CA15	CAC2414CA15	CAC3014CA15	CAC3614CA15	CAC4214CA15	CAC4814CA15	CAC6014CA15
Outdoor power supply	V/Ph/Hz	208~230/1/60	208~230/1/60	208~230/1/60	208~230/1/60	208~230/1/60	208~230/1/60	208~230/1/60
Cooling	Capacity	Btu/h	17000	22000	28000	33000	40000	45000
	Tons	1.5	2	2.5	3	3.5	4	5
	Input	W	1500	1930	2272	2800	3420	3623
	EER2	Btu/h.W	11.70	11.70	11.70	11.70	11.50	11.20
	SEER2	Btu/h.W	14.3	14.3	14.3	14.3	14.3	14.0
Max. Input Consumption	W	2250	3050	3300	4455	5430	6000	7300
Max. Current	A	11.50	15.00	17.00	23.00	28.00	29.50	37.00
Compressor	Brand	LG	LG	LG	LG	LG	LG	LG
	Model	YPH016KAA	YPH020KAA	YPH024KAA	YPH029KAA	YPH036KAA	YBH039KAA	YBH049KAA
	Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Input	W	1192	1498	1772	2134	2684	2877
	Rated Current (RLA)	A	5.50	6.80	8.10	9.50	12.60	12.60
	Locked Rotor Amp (LRA)	A	47	59	71	75	96	125
	Thermal Protector	uf	35	35	40	45	70	70
	Refrigerant Oil	ml	740	740	740	740	1280	1280
	Brand	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE
	Type	AC	AC	AC	AC	AC	AC	AC
Outdoor Fan Motor	Input	W	162	162	222	230	370	370
	Output	W	85	85	160	110	230	230
	Capacitor	μF	6	6	6	6	12	12
	Speed	rpm	1024	1024	1050	845	845	1050
	Number Of Rows		2	2	2	2	2	2
Outdoor Coil	Fin Spacing	in	1/18	1/18	1/18	1/18	1/18	1/18
	Fin Material		Hydrophilic Aluminium Fin					
	Tube Outside Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7
	Tube Type		Inner Grooved					
	Length X Height X Width	in	61.7×23.15×1.05	61.7×23.15×1.05	61.7×23.15×1.05	83.8×23.15×1.05	83.8×31.48×1.05	83.8×31.48×1.05
Outdoor Dimension	Number Of Circuit		6	6	6	10	10	10
	Outdoor Air Flow	CFM	2000	2000	2250	2750	3300	4000
	Outdoor Sound Pressure Level	dB(A)	60	60	63	63	65	63
	Unit (WxDxH)	in	23-3/5×23-3/5×25	23-3/5×23-3/5×25	23-3/5×23-3/5×25	29-1/7×29-1/7×25	29-1/7×29-1/7×32-7/8	29-1/7×29-1/7×32-7/8
		mm	600×600×635	600×600×635	600×600×635	740×740×635	740×740×835	740×740×835
Refrigerant	Packing (WxDxH)	in	25×25×26-1/5	25×25×26-1/5	25×25×26-1/5	30-1/2×30-1/2×26-1/5	30-1/2×30-1/2×34-1/10	30-1/2×30-1/2×34-1/10
		mm	635×635×665	635×635×665	635×635×665	775×775×665	775×775×865	775×775×865
	Net / Gross Weight	lbs / kg	120/126 / 54.5/57	122/128 / 55.5/58	137/144 / 63/65.5	160/166 / 72.5/75.5	198/209 / 90/95	203/214 / 92/97
Refrigerant Pipe	Type / Charging Volume	oz	R454B / 74.07	R454B / 84.66	R454B / 84.66	R454B / 105.82	R454B / 119.93	R454B / 130.51
	Liquid Side	in	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas Side	in	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ7/8	Φ7/8
	Max. Refrigerant Pipe Length	ft	148	148	148	148	148	148
	Max. Difference In Level	ft	66	66	66	66	66	66
Design Pressure		MPa	2.7/1.0	2.7/1.0	2.8/1.0	2.7/1.0	2.8/1.0	2.8/1.0
Max. Pressure		MPa	4.50	4.50	4.50	4.50	4.50	4.50
Operation Temp. Range	Cooling	°F/°C	61~118 / 16~48	61~118 / 16~48	61~118 / 16~48	61~118 / 16~48	61~118 / 16~48	61~118 / 16~48
Shipping per STD 20/40/40HQ			81/162/216	81/162/216	81/162/216	63/135/180	42/90/135	42/90/135

Disclaimer: Specifications are subject to change without notice. Everwell Parts, Inc. is not liable for errors or changes from the manufacturer. Verify all details before installation.

CAC-15 Series (Top-Discharge Condensing Unit) Heat Pump Technical Specifications

Model		CAC1814HA15	CAC2414HA15	CAC3014HA15	CAC3614HA15	CAC4214HA15	CAC4814HA15	CAC6014HA15
Cooling	Outdoor power supply	V/Ph/Hz	208~230/1/60	208~230/1/60	208~230/1/60	208~230/1/60	208~230/1/60	208~230/1/60
	Capacity	Btu/h	17000	22000	28000	33000	40000	45000
	Tons	1.5	2	2.5	3	3.5	4	5
	Input	W	1520	1930	2305	2730	3340	3670
	EER2	Btu/h.W	11.40	11.20	11.40	11.40	11.20	11.20
Heating	Capacity	Btu/h	17000	22000	28000	33000	40000	45000
	HSPF2	Btu/h.W	7.50	7.50	7.50	7.50	7.50	7.50
	Max. Input Consumption	W	2250	3050	3300	4455	5430	6000
	Max. Current	A	11.50	15.00	17.00	23.00	28.00	37.00
	Brand	LG	LG	LG	LG	LG	LG	LG
Compressor	Model	YPH016KAA	YPH020KAA	YPH024KAA	YPH029KAA	YPH036KAA	YBH039KAA	YBH049KAA
	Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Input	W	1192	1498	1772	2134	2684	2877
	Rated Current (RLA)	A	5.50	6.80	8.10	9.50	12.60	12.60
	Locked Rotor Amp (LRA)	A	47	59	71	75	96	125
	Thermal Protector	uf	35	35	40	45	70	70
	Refrigerant Oil	ml	740	740	740	740	1280	1280
	Brand	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	WOLONG/PANASONIC
	Type	AC	AC	AC	AC	AC	AC	DC
	Input	W	162	162	222	230	230	300
Outdoor Fan Motor	Output	W	85	85	160	110	110	230
	Capacitor	μF	6	6	6	6	6	12
	Speed	rpm	1024	1024	1050	845	845	1050
	Number Of Rows		2	2	2	2	2	2.5
	Fin Spacing	in	1/18	1/18	1/18	1/18	1/18	1/18
Outdoor Coil	Fin Material		Hydrophilic Aluminium Fin					
	Tube Outside Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7
	Tube Type		Inner Grooved					
	Length X Height X Width	in	61.7×23.15×1.05	61.7×23.15×1.05	61.7×23.15×1.05	83.8×23.15×1.05	83.8×31.48×1.05	83.8×31.48×1.05
	Number Of Circuit		6	6	6	10	10</	

AHC-15 Series (Air Handler Unit) Technical Specifications

Model	AHC2414BA15	AHC3614BA15	AHC4214BA15	AHC6014BA15
Power Supply	V/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60
Capacity	Btu/h	22000	33000	40000
	Tons	1.5–2	2.5–3	3.5
Indoor External Static Pressure	Pa	145	145	145
Throttle Type		Orifice	Orifice	Orifice
Number Of Rows		3(row)×2(piece)	4(row)×2(piece)	4(row)×2(piece)
Tube Pitch (A) x Row Pitch (B)	in	0.83×0.53	0.83×0.53	0.83×0.53
Fin Spacing	in	1/17	1/17	1/17
Fin Material		Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin
Tube Outside Diameter	mm	Φ7	Φ7	Φ7
Tube Type		Inner Grooved	Inner Grooved	Inner Grooved
Coil Length x Height x Width	in	17.36×16.54×1.58	17.36×16.54×2.11	17.36×16.54×2.11
Number Of Circuit		6	8	8
Indoor Coil				12
Indoor Fan Motor	Brand	LEKVA	Broad-Ocean	Broad-Ocean
	Type	AC	ECM	ECM
	Input	W	398	317
	Output	W	220	373
	Capacitor	μF	10	-
	Speed	rpm	910/935/965	895/930/960/1000/1030
Blower	Diameter	in	11	11
	Width	in	11	11
	Indoor Air Flow	CFM	800	1150
	Indoor Sound Pressure Level	dB(A)	50-55	47-57
Dimensions	Unit (W×D×H)	in	19-2/3×22×45-3/4	19-2/3×22×45-3/4
		mm	500×560×1162	500×560×1162
	Packing (W×D×H)	in	22-5/6×25-3/5×47-5/8	22-5/6×25-3/5×47-5/8
		mm	580×650×1210	580×650×1210
Refrigerant Pipe	Net/Gross Weight	lbs / kg	128/139 / 58/63	130/141 / 59/64
	Liquid Side	in	3/8	3/8
	Gas Side	in	3/4	3/4
	Shipping per STD 20/40/40HQ		36/72/144	36/72/144
				36/72/144
				27/54/54

AHC-15 Series Air Handler Features:

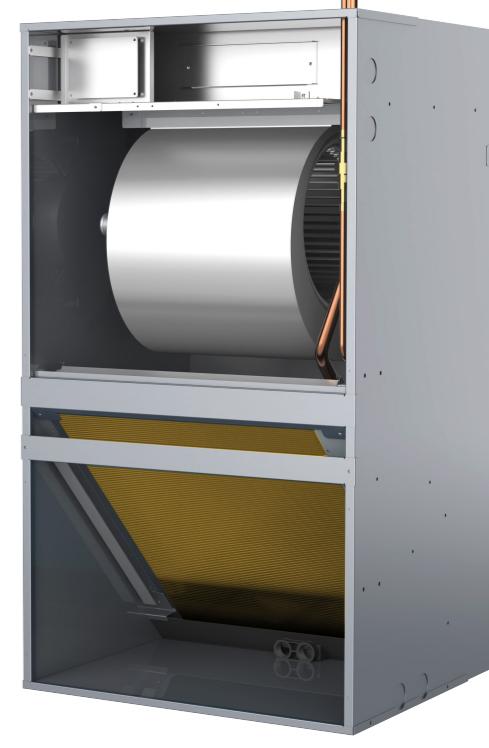
- A2L Safe:** Refrigerant Sensor alarms the system if it detects a leak by turning off its operation and activating high speed fan to clear vents
- Flexible installation:** Upflow, Downflow, or Horizontal
- Durable all-copper coils** for long-term performance
- Compatible with Cooling and Heat Pump Systems
- Multi-speed **ECM motor** helps maximize energy savings (select models)
- Fully insulated, powder-coated cabinet made from galvanized steel for quiet operation
- Corrosion-resistant finish for long-lasting durability
- Easy **24V control** integration
- Built-in filter rack for easy maintenance
- AHRI Certified & ETL Listed** for safety and performance
- Optional Electric Heater compatibility from 5-20kW
- Optional float switch compatibility



Field Installed Electric Heat Kits (Optional)		
PART NUMBER	kW	AHU Capacity
WTM0502BE	5	18k-60k
WTM0802BE	7.5	18k-60k
WTM1002BE	10	18k-60k

FAHC-15 Series (Front Return Wall Mount Air Handler Unit) Technical Specifications

Model	FAHC2414BA15	FAHC3614BA15
Power Supply	V/Ph/Hz	208–230/1/60
Capacity	Btu/h	22000
	Tons	1.5–2
Indoor External Static Pressure	Pa	145
Throttle Type		Orifice
Indoor Coil	Number Of Rows	
		5
Indoor Fan Motor	Tube Pitch (A) x Row Pitch (B)	in
		0.83×0.53
Blower	Fin Spacing	in
		1/17
Dimensions	Fin Material	
		Hydrophilic Aluminium Fin
Refrigerant Pipe	Tube Outside Diameter	mm
		Φ7
	Tube Type	
		Inner Grooved
	Coil Length x Height x Width	in
		16.97×18.2×2.63
	Number Of Circuit	
		6
	Brand	
		Broad-Ocean
	Type	
		ECM
	Input	W
		221
	Output	W
		249
	Speed	rpm
		900/935/960/1010/1050
	Diameter	in
		11
	Width	in
		6
	Indoor Air Flow	CFM
		850
	Indoor Sound Pressure Level	dB(A)
		47-57
	Dimensions	Unit (W×D×H)
		in
		20-1/2×15×36
		mm
		522×381×915
	Packing (W×D×H)	in
		23-1/5×17-7/10×39-2/5
		mm
		590×450×1000
	Net / Gross Weight	lbs / kg
		88/97 / 40/44
	Refrigerant Pipe	Liquid Side
		in
		3/8
	Gas Side	in
		3/4
	Shipping per STD 20/40/40HQ	
		100/200/200
		72/156/156



Field Installed Electric Heat Kits (Optional)

PART NUMBER	kW	AHU Size
WFM0502BE	5	18k-36k
WFM0802BE	7.5	18k-36k
WFM1002BE	10	24k-36k

FAHC-15 Series Front Return Air Handler Features:

- A2L Safe:** Refrigerant Sensor alarms the system if it detects a leak by turning off its operation and activating high speed fan to clear vents
- Front or bottom return for **flexible install options**
- Copper tube & aluminum fin coil** for reliable heat transfer
- Compatible with Cooling and Heat Pump systems
- Multi-speed ECM motor** helps maximize energy savings
- Fully insulated, powder-coated cabinet made from galvanized steel for quiet operation
- Easy **24V control** integration
- Primary and secondary drain connections meet FHA requirements
- Built-in filter rack for easy maintenance
- Thermoplastic drain pan resists mold and corrosion
- AHRI Certified & ETL Listed** for safety and performance
- Includes bracket for wall mounting
- Optional Electric Heater compatibility from 5-20kW
- Optional float switch compatibility (recommended feature addition)

