

**14.3
SEER2**



Intertek

2454B

NOISELESS



CAC-AHC-FAHC-15 SERIES

SPLIT SYSTEM

COOLING ONLY & HEAT PUMP

ON/OFF





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
Cooling	Capacity	Btu/h	17000	22000	28000	33000	40000	54000
		Tons	1.5	2	2.5	3	3.5	4
	Input	W	1500	1930	2272	2800	3420	4649
	EER2	Btu/h.W	11.70	11.70	11.70	11.70	11.70	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
Max. Current		A	11.50	15.00	17.00	23.00	28.00	37.00
Compressor	Brand		LG	LG	LG	LG	LG	LG
	Model		YPH016KAA	YPH020KAA	YPH024KAA	YPH029KAA	YPH036KAA	YPH049KAA
	Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Input	W	1192	1498	1772	2134	2684	3664
	Rated Current (RLA)	A	5.50	6.80	8.10	9.50	12.60	16.20
	Locked Rotor Amp (LRA)	A	47	59	71	75	96	125
	Thermal Protector	uf	35	35	40	45	70	70
Outdoor Fan Motor	Refrigerant Oil	ml	740	740	740	740	1280	1280
	Brand		GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE
	Type		AC	AC	AC	AC	AC	AC
	Input	W	162	162	222	230	230	370
	Output	W	85	85	160	110	110	230
Outdoor Coil	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
	Fin Spacing	in	1/18	1/18	1/18	1/18	1/18	1/18
	Fin Material		Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin
	Tube Outside Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7
	Tube Type		Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved
Outdoor Dimension	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	6	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 (W×D×H)	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
Refrigerant	Type / Charging Volume	oz	R454B / 74.07	R454B / 84.66	R454B / 84.66	R454B / 105.82	R454B / 130.51	R454B / 123.46
		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
	Net / Gross Weight		205/216 / 93/98					
Refrigerant Pipe	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	2.7/1.0	2.8/1.0
Max. Pressure		MPa	4.50	4.50	4.50	4.50	4.50	4.50
Operation Temp. Range		°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

CAC-15 Series (Top-Discharge Condensing Unit) Heat Pump Technical Specifications								
Model		CAC1814HA15	CAC2414HA15	CAC3014HA15	CAC3614HA15	CAC4214HA15	CAC4814HA15	CAC6014HA15
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
Cooling	Capacity	Btu/h	17000	22000	28000	33000	40000	55000
		Tons	1.5	2	2.5	3	3.5	4
	Input	W	1520	1930	2305	2730	3340	4665
	EER2	Btu/h.W	11.40	11.20	11.40	11.40	11.40	11.20
	SEER2	Btu/h.W	14.3	14.3	14.3	14.3	14.3	14.3
Heating	Capacity	Btu/h	17000	22000	28000	33000	40000	55000
	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
Compressor	Brand		LG	LG	LG	LG	LG	LG
	Model		YPH016KAA	YPH020KAA	YPH024KAA	YPH029KAA	YPH036KAA	YPH049KAA
	Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Input	W	1192	1498	1772	2134	2684	3630
	Rated Current (RLA)	A	5.50	6.80	8.10	9.50	12.60	16.20
	Locked Rotor Amp (LRA)	A	47	59	71	75	96	125
	Thermal Protector	uf	35	35	40	45	70	70
Outdoor Fan Motor	Refrigerant Oil	ml	740	740	740	740	1280	1280
	Brand		GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	WOLONG/PANASONIC
	Model		AC	AC	AC	AC	AC	DC
	Input	W	162	162	222	230	230	300
	Output	W	85	85	160	110	110	200
Outdoor Coil	Capacitor	µF	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
	Fin Material		Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin
	Tube Outside Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7
	Tube Type		Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved
Outdoor Dimension	Coil 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	83.8×31.48×1.58
	Number Of Circuit		6	6	6	6	10	8
	Outdoor Air Flow	CFM	2000	2000	2250	2750	3300	4000
	Outdoor Sound Pressure Level	dB(A)	60	60	63	63	65	63
	Unit (W×D×H)	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
Dimensions	Packing (W×D×H)	mm	600×600×635	600×600×635	600×600×635	740×740×635	740×740×835	740×740×835
		in	25×25×26-1/5	25×25×26-1/5	25×25×26-1/5	30-1/2×30-1/2×34-1/10	30-1/2×30-1/2×34-1/10	30-1/2×30-1/2×34-1/10
	Net / Gross weight	lbs / kg	127/132 / 57.5/60	129/134 / 58.5/61	146/151 / 66/68.5	166/173 / 75.5/78.5	207/218 / 94/99	214/225 / 97/102
Refrigerant	Type / Charging Volume	oz	R454B / 84.65	R454B / 91.71	R454B / 98.76	R454B / 105.82	R454B / 130.51	R454B / 144.62
	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
Refrigerant Pipe	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	2.7/1.0	2.8/1.0
	Max. Pressure	MPa	4.50	4.50	4.50	4.50	4.50	4.50
Operation Temp. Range		°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

CAC-15 Series Condenser Features:

- Pre-charged with R-454b refrigerant
- Top-discharge design for optimal airflow
- All-copper coil with GoldFin corrosion-resistant coating
- High-performance scroll compressor
- Heavy-duty painted galvanized steel cabinet & base pan
- Louvered grille guard protects coil without restricting airflow
- Noiseless operation – as low as 65 dB
- Easy 24V control integration
- Easy access service panel for technician convenience
- AHRI Certified & ETL Listed for safety and performance compliance



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	208-230/1/60	
Capacity		Btu/h	22000	33000	40000	55000	
		Tons	1.5-2	2.5-3	3.5	5	
Indoor External Static Pressure		Pa	145	145	145	145	
Throttle Type			Orifice	Orifice	Orifice	Orifice	
Indoor Coil	Number Of Rows			3(row)×2(piece)	4(row)×2(piece)	4(row)×2(piece)	5(row)×2(piece)
	Tube Pitch (A) x Row Pitch (B)		in	0.83×0.53	0.83×0.53	0.83×0.53	0.83×0.53
	Fin Spacing		in	1/17	1/17	1/17	1/17
	Fin Material			Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin
	Tube Outside Diameter		mm	Φ7	Φ7	Φ7	Φ7
	Tube Type			Inner Grooved	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	19.84×21.5×2.63
	Number Of Circuit			6	8	8	12
Indoor Fan Motor	Brand			LEKVA	Broad-Ocean	Broad-Ocean	Broad-Ocean
	Type			AC	ECM	ECM	ECM
	Input		W	398	317	317	473
	Output		W	220	373	560	560
	Capacitor		µF	10	-	-	-
	Speed		rpm	910/935/965	895/930/960/1000/1030	935/1000/1040/1090/1130	895/920/965/1010/1065
Blower	Diameter		in	11	11	11	11
	Width		in	11	11	11	11
Indoor Air Flow		CFM	800	1150	1280	1600	
Indoor Sound Pressure Level		dB(A)	50-55	47-57	47-57	46-57	
Dimensions	Unit (W×D×H)		in	19-2/3×22×45-3/4	19-2/3×22×45-3/4	19-2/3×22×45-3/4	22×24-1/2×53-1/8
			mm	500×560×1162	500×560×1162	500×560×1162	560×623×1350
	Packing (W×D×H)		in	22-5/6×25-3/5×47-5/8	22-5/6×25-3/5×47-5/8	22-5/6×25-3/5×47-5/8	25-1/5×27-3/4×54-9/10
			mm	580×650×1210	580×650×1210	580×650×1210	640×705×1395
	Net/Gross Weight		lbs / kg	128/139 / 58/63	130/141 / 59/64	134/146 / 61/66	172/185 / 78/84
Refrigerant Pipe	Liquid Side		in	3/8	3/8	3/8	3/8
	Gas Side		in	3/4	3/4	3/4	7/8
Shipping per STD 20/40/40HQ				36/72/144	36/72/144	36/72/144	27/54/54

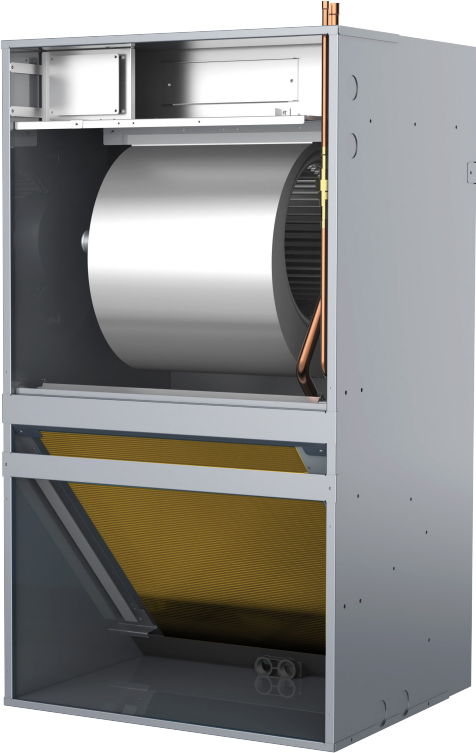


AHC-15 Series Air Handler Features:

- **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	208-230/1/60	
Capacity		Btu/h	22000	33000	
		Tons	1.5-2	2.5-3	
Indoor External Static Pressure		Pa	145	145	
Throttle Type			Orifice	Orifice	
Indoor Coil	Number Of Rows		5	5	
	Tube Pitch (A) x Row Pitch (B)	in	0.83×0.53	0.83×0.53	
	Fin Spacing	in	1/17	1/17	
	Fin Material		Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	
	Tube Outside Diameter	mm	Φ7	Φ7	
	Tube Type		Inner Grooved	Inner Grooved	
	Coil Length x Height x Width	in	16.97×18.2×2.63	17.44×23.15×2.63	
	Number Of Circuit		6	8	
Indoor Fan Motor	Brand		Broad-Ocean	Broad-Ocean	
	Type		ECM	ECM	
	Input	W	221	267	
	Output	W	249	373	
	Speed	rpm	900/935/960/1010/1050	895/930/960/1000/1030	
Blower	Diameter		11	11	
	Width		6	10	
Indoor Air Flow		CFM	850	1145	
Indoor Sound Pressure Level		dB(A)	47-57	48-58	
Dimensions	Unit (W×D×H)		in	20-1/2×15×36	22×19-1/10×39-3/5
			mm	522×381×915	559×485×1006
	Packing (W×D×H)		in	23-1/5×17-7/10×39-2/5	24-3/5×21-3/5×42-9/10
			mm	590×450×1000	625×550×1090
	Net / Gross Weight		lbs / kg	88/97 / 40/44	112/123 / 51/56
Refrigerant Pipe	Liquid Side		in	3/8	3/8
	Gas Side		in	3/4	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)

