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

Model			FAHU18H15	FAHU24H15	FAHU30H15	FAHU36H15
Power Supply	Voltage/Phase/Hz	V/Ph/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Cooling	Capacity	Btu/h	17500	22000	28000	33000
	SEER2	Btu/h.W	14.30	14.30	14.30	14.30
Indoor External Static Pressure	-	pa	145	145	145	145
Throttle Type	-	-	Orifice	Orifice	Orifice	Orifice
Indoor Coil	Number of Row	-	5	5	5	5
	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 Aluminum Fin	Hydrophilic Aluminum Fin	Hydrophilic Aluminum Fin	Hydrophilic Aluminum Fin
	Tube Outside Diameter	in/mm	Ø 0.27 / 7	Ø 0.27 / 7	Ø 0.27 / 7	Ø 0.27 / 7
	Tube type	-	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved
	Coil Length x Height x Width	in	16.97×18.2×2.63	16.97×18.2×2.63	17.44×23.15×2.63	17.44×23.15×2.63
		mm	431×462.2×66.8	431×462.2×66.8	442.9×588×66.8	442.9×588×66.8
	Number of Circuit	-	6	6	8	8
Indoor Fan Motor	Brand	-	Genteq/Wolong/Broad-Ocean	Genteq/Wolong/Broad-Ocean	Genteq/Wolong/Broad-Ocean	Genteq/Wolong/Broad-Ocean
	Type	-	ECM	ECM	ECM	ECM
	Input	W	166	221	267	317
	Output	W	249	249	373	373
	Speed (Hi/Me/Lo)	rpm	960	1010	960	1000
Blower	Diameter	in/mm	11 / 279.4	11 / 279.4	11 / 279.4	11 / 279.4
	Width	in/mm	10 / 254	10 / 254	6 / 152.4	6 / 152.4
Indoor Air Flow	-	CFM	715	805	1020	1145
Air Filter Size	-	in/mm	15×19×1 / 381×483×25.4	15×19×1 / 381×483×25.4	20×20×1 / 381×483×25.4	20×20×1 / 381×483×25.4
Indoor Dimension	Unit (W*H*D)	in	20-3/5×36×15	20-3/5×36×15	22-1/10×39-3/5×19	22-1/10×39-3/5×19
		mm	524×915×381	524×915×381	562×1006×485	562×1006×485
	Packing (W*H*D)	in	23-1/5×39-2/5×17-7/10	23-1/5×39-2/5×17-7/10	24-3/5×42-9/10×21-3/5	24-3/5×42-9/10×21-3/5
		mm	590×1000×450	590×1000×450	625×1090×550	625×1090×550
	Net / Gross Weight	lb	88 / 97	88 / 97	112 / 123	112 / 123
		kg	40 / 44	40 / 44	51 / 56	51 / 56
Refrigerant Pipe	Liquid Side	in	Ø 3/8	Ø 3/8	Ø 3/8	Ø 3/8
	Gas Side	in	Ø 3/4	Ø 3/4	Ø 3/4	Ø 3/4
Shipping per STD	-	20/40/40HQ	106 / 216 / 216	106 / 216 / 216	76 / 160 / 160	76 / 160 / 160

15 SEER2

AHRI CERTIFIED

ETL C US LISTED Intertek

R410A REFRIGERANT

NOISELESS

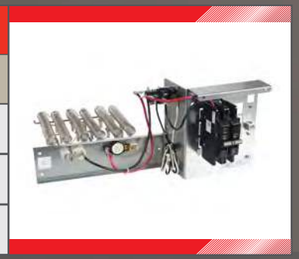
HEAT COOL

FULL DC INVERTER

GOLDFIN TECHNOLOGY

Field Installed Electric Heat Kits (Optional)

CAPACITY	PART NUMBER	DESCRIPTION
18k	ECHK-05A	5 kW Electric Strip heater
18k-24k	ECHK-08A	7.5 kW Electric Strip heater
30k-36k	ECHK-10A	10 kW Electric Strip heater



everwell®

CAC-FAHC-15 SERIES

SPLIT SYSTEM
HEAT PUMP
INVERTER

CAC-FAHC-15 SERIES

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

Model			CAC1813HA15	CAC2413HA15	CAC3013HA15	CAC3613HA15	CAC4213HA15	CAC4813HA15	CAC6013HA15
Power Supply	Voltage/Phase/Hz	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	17500	22000	28000	33000	40000	45000	56000
	Input	W	1550	2000	2370	2780	3400	3770	4870
	EER2	Btu/h.W	11.50	11.20	11.50	11.50	11.50	11.50	11.50
	SEER2 (AHRI Certified)	Btu/h.W	14.3	14.3	14.3	14.3	14.3	14.3	14.3
Heating	Capacity	Btu/h	17500	22000	26000	33000	40000	44000	53000
	HSPF2(AHRI Certified)	Btu/h.W	7.50	7.50	7.50	7.50	7.50	7.50	7.50
Max. Input Consumption	-	W	2250.00	3050.00	3300.00	4455.00	5430.00	6000.00	7300.00
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	-	APG016KAC	APG020KAC	APG024KAC	APG029KAC	ABG036KAC	ABG039KAC	ABG051KAC
	Type	-	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Capacity	Btu/h	19300	24800	29500	35800	44700	48200	63000
	Input	W	1290	1570	1870	2200	2790	3000	3830
	Rated Current (RLA)	A	5.60	6.90	8.20	9.80	12.30	13.70	17.40
	Locked Rotor Amp (LRA)	A	48.0	52.0	63.0	79.0	112.3	94.0	127.9
	Thermal Protector	uf	35	35	40	45	45	70	70
	Refrigerant Oil	oz/ml	25.02 / 740	25.02 / 740	25.02 / 740	25.02 / 740	43.28 / 1280	43.28 / 1280	43.28 / 1280
Outdoor Fan Motor	Brand	-	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	GREEN-INTELLIGENCE	Panassonic / Broad-Ocean
	Model	-	AC	AC	AC	AC	AC	AC	DC
	Input	W	162	162	226	197	210	370	270
	Output	W	85	85	160	110	110	230	200
	Capacitor	μF	6.00	6.00	6.00	6.00	6.00	12.00	/
	Speed	rpm	950	950	1050	850	850	1050	1050
Outdoor Coil	Number of Row	-	2	2	2	2	2	2	2.5
	Fin Spacing	in/mm	1/18 / 1.41	1/18 / 1.41	1/18 / 1.41	1/18 / 1.41	1/18 / 1.41	1/18 / 1.41	1/18 / 1.41
	Fin Material	-	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin
	Tube Outside Diameter	in/mm	Ø 0.27 / 7	Ø 0.27 / 7	Ø 0.27 / 7	Ø 0.27 / 7	Ø 0.27 / 7	Ø 0.27 / 7	Ø 0.27 / 7
	Tube Type	-	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved
	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	83.8×31.48×1.05	83.8×31.48×1.58
		mm	1567.18×588.01×26.67	1567.18×588.01×26.67	1567.18×588.01×26.67	2128.52×588.01×26.67	2128.52×799.59×26.67	2128.52×799.59×26.67	2128.52×799.59×40.13
	Number of Circuit	-	6	6	6	6	10	10	8
Outdoor Air Flow	-	CFM	2000	2000	2250	2750	3300	4000	4000
Outdoor Sound Pressure Level	-	dB(A)	60	60	63	63	65	65	63
Outdoor Dimension	Unit (W*H*D)	in	23-3/5×25×23-3/5	23-3/5×25×23-3/5	23-3/5×25×23-3/5	29-1/7×25×29-1/7	29-1/7×32-7/8×29-1/7	29-1/7×32-7/8×29-1/7	29-1/7×32-7/8×29-1/7
		mm	600×633×600	600×633×600	600×633×600	740×633×740	740×835×740	740×835×740	740×835×740
	Packing (W*H*D)	in	24-4/5×26-1/5×24-4/5	24-4/5×26-1/5×24-4/5	24-4/5×26-1/5×24-4/5	30-3/10×26-1/5×30-3/10	30-3/10×34-4/5×30-3/10	30-3/10×34-4/5×30-3/10	30-3/10×34-4/5×30-3/10
		mm	630×665×630	630×665×630	630×665×630	770×665×770	770×885×770	770×885×770	770×885×770
	Net / Gross Weight	lb	127 / 132	129 / 134	146 / 151	166 / 173	207 / 218	214 / 225	229 / 240
		kg	57.5 / 60	58.5 / 61	66 / 68.5	75.5 / 78.5	94 / 99	97 / 102	104 / 109
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charging Volume	oz/ml	3.16 / 93.50	3.34 / 98.80	3.57 / 105.80	4.17 / 123.50	5.12 / 151.70	5.48 / 162.30	6.67 / 197.50
Refrigerant Pipe	Liquid Side/Gas Side	in	Ø 3/8 / 3/4	Ø 3/8 / 3/4	Ø 3/8 / 3/4	Ø 3/8 / 3/4	Ø 3/8 / 3/4	Ø 3/8 / 7/8	Ø 3/8 / 7/8
	Max. Refrigerant Pipe Length	ft/m	148 / 45.11	148 / 45.11	148 / 45.11	148 / 45.11	148 / 45.11	148 / 45.11	148 / 45.11
	Max. Difference in Level	ft/m	66 / 20.11	66 / 20.11	66 / 20.11	66 / 20.11	66 / 20.11	66 / 20.11	66 / 20.11
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	2.8 / 1.0
Max. Pressure	-	MPa	4.50	4.50	4.50	4.50	4.50	4.50	4.50
Operation Temp Range	Cooling	°F/°C	64-118 / 17.77-47.77	64-118 / 17.77-47.77	64-118 / 17.77-47.77	64-118 / 17.77-47.77	64-118 / 17.77-47.77	64-118 / 17.77-47.77	64-118 / 17.77-47.77
	Heating	°F/°C	17-80 / -8.33-26.66	17-80 / -8.33-26.66	17-80 / -8.33-26.66	17-80 / -8.33-26.66	17-80 / -8.33-26.66	17-80 / -8.33-26.66	17-80 / -8.33-26.66
Max. Pressure	-	MPa	4.50	4.50	4.50	4.50	4.50	4.50	4.50
Shipping per STD	-	20/40/40HQ	81 / 171 / 228	81 / 171 / 228	81 / 171 / 228	63 / 135 / 180	42 / 90 / 135	42 / 90 / 135	42 / 90 / 135

CAC-15 Series Features:

- 1.5 to 5 ton capacity
- 14.3 SEER2
- 11.7 EER2
- All copper Coil
- Scroll Compressor
- Painted Galvanized steel cabinet and base pan
- Ultra-Quiet operation max 65 decibles

FAHC-15 Series
Front Return Wall Mount Air Handler Features:

- All copper tube with aluminum fin coil
- Multi-Speed ECM motor for energy savings
- Full insulated, powder coated painted galvanized steel gabinet
- Front or botton return
- Primary and secondary drain connections to meet FHA requirement
- Optional field installed electrical heat kit available
- Built in filter rack
- Thermoplastic drain pan
- Cooling and heat pump compatible
- AHRI certified

AHRI CERTIFIED
ETL LISTED C US Intertek
R410A REFRIGERANT
NOISELESS
HEAT COOL
FULL DC INVERTER
GOLDFIN TECHNOLOGY