

14
SEER

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Field Installed Electric Heat Kits (Optional)

MODEL	PART NUMBER	DESCRIPTION
81-23259-00	ECHK-05A	5 kW Electric Strip heater
81-23258-00	ECHK-08A	7.5 kW Electric Strip heater
81-23257-00	ECHK-10A	10 kW Electric Strip heater
81-23256-00	ECHK-15A	15 kW Electric Strip heater
81-23255-00	ECHK-20A	20 kW Electric Strip heater



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CAC-AHC SERIES

SPLIT SYSTEM
HEAT PUMP
ON-OFF

CAC-AHC





CAC Series (Top-Discharge Condensing Unit) Technical Specifications

Model		CAC1813H14	CAC2413H14	CAC3013H14	CAC3613H14	CAC4213H14	CAC4813H14	CAC6013H14	
Cooling	Outdoor Power Supply	V/Ph/Hz	230/1/60	230/1/60	230/1/60	230/1/60	230/1/60	230/1/60	
	Capacity	Btu/h	17,600	23,600	28,600	34,000	40,500	46,000	56,000
		RT	1.46	1.96	2.38	2.83	3.37	3.83	4.66
	Input	W	1500	2020	2450	2910	3480	3950	4900
	EER	Btu/h	11.70	12.20	11.70	11.70	11.70	11.20	11.20
Heating	SEER	Btu/h	14	14	14	14	14	14	
	Capacity	Btu/h	17,200	22,200	28,600	33,500	40,000	46,000	55,000
	HSPF	Btu/h	8.20	8.20	8.30	8.30	8.30	8.30	8.30
Max. Input Consumption		W	1875.00	2525.00	3062.50	3637.50	4350.00	4937.50	6125.00
Max. Current		A	8.58	11.56	14.02	16.65	19.91	22.60	28.03
Compressor	Brand	-	HITACHI	HITACHI	HITACHI	HITACHI	LG	LG	LG
	Model	-	ASL145DG-C7EU	ASH201DG-C8LU1L	ASH239DG-C8DU	ASH280DG-C8DU	ABG036KAC	ABG042KAC	ABG051KAC
	Type	-	Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
	Capacity	W	4240	5970	7055	8260	10551	12309	14974
	Input	W	1390	1950	2290	2700	3429	3962	4722
	Rated Current (RLA)	A	6.10	8.7	10.20	11.9	15.2	17.3	21.0
	Locked Rotor Amp(LRA)	A	33	44	56	60	112	108	128
	Thermal Protector	uf	40	40	55	70	45	70	70
	Refrigerant Oil	ml	480	570	570	570	1280	1280	1280
	Brand	-	Chigo	Chigo	Chigo	Chigo	Chigo	Xinjun	Xinjun
Outdoor Fan Motor	Model	-	S.TB-DQ-YDK-60-6P2-AL	S.TB-DQ-YDK-85-6P2-AL	S.TB-DQ-YDK-85-6P2-AL	S.TB-DQ-YDK-110-8P2-AL	S.TB-DQ-YDK-110-8P2-AL	S.TB-DQ-YDK-230-6P2	S.TB-DQ-YDK-230-6P2
	Input	W	145	178	178	207	207	510	510
	Output	W	60	85	85	110	110	230	230
	Capacitor	µF	6.00	6.00	6.00	6.00	6.00	12.00	12.00
	Speed	rpm	870	970	970	850	850	1095	1095
Outdoor Coil	Number of Row	-	1	2	2	2	2	2	
	Fin Spacing	in/mm	0.055/1.397	0.055/1.397	0.055/1.397	0.055/1.397	0.055/1.397	0.055/1.397	0.055/1.397
	Fin material	-	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Non-Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin
	Tube Outside Diameter	in/mm	Φ 0.276/7.010	Φ 0.276/7.010	Φ 0.276/7.010	Φ 0.276/7.010	Φ 0.276/7.010	Φ 0.276/7.010	Φ 0.276/7.010
	Tube Material	-	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved
	Coil Length x Height x Width	in	56.22x23.15x0.53	56.22x23.15x1.05	56.22x23.15x1.05	84.65x23.15x1.05	84.65x31.48x1.05	84.65x31.48x1.05	84.65x31.48x1.05
	mm	1427.98x588.01x13.46	1427.98x588.01x26.67	1427.98x588.01x26.67	2150.11x588.01x26.67	2150.11x799.59x26.67	2150.11x799.59x26.67	2150.11x799.59x26.67	
Number of Circuit	-	3	6	4	6	10	10	8	
Outdoor Air Flow	CFM	1500	1700	1900	2800	4000	4000	4000	
Outdoor Noise Level	dB(A)	60	60	61	61	63	63	63	
Outdoor Dimension	Unit (WxHxD)	in	21.87x24.93x21.87	21.87x24.93x21.87	21.87x24.93x21.87	29.12x24.93x29.12	29.12x33.18x29.12	29.12x33.18x29.12	29.12x33.18x29.12
	mm	554x633x554	554x633x554	554x633x554	740x633x740	740x843x740	740x843x740	740x843x740	
	Packing (WxHxD)	in	22.9x26.25x22.9	22.9x26.25x22.9	22.9x26.25x22.9	30.2x26.25x30.2	30.2x34.5x30.2	30.2x34.5x30.2	30.2x34.5x30.2
	mm	575x575x660	575x575x660	575x575x660	760x760x660	760x760x875	760x760x875	760x760x875	
Net / Gross Weight	kg	47/49	55/57	62/66	70/74	94/98	94/98	97/101	
lb	104/108	121/126	137/146	156/163	207/216	207/216	214/223		
Refrigerant Type	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
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	65 39/64	65 39/64	65 39/64	65 39/64	65 39/64	65 39/64	
	Max. Difference in Level	ft	32 13/16	32 13/16	32 13/16	32 13/16	32 13/16	32 13/16	
	Max. Refrigerant Pipe Length	ft	65 39/64	65 39/64	65 39/64	65 39/64	65 39/64	65 39/64	
Design Pressure	MPa	4.0/1.2	4.0/1.2	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	4.20	4.20		
Loading Per Container 20' /40' /40'HQ	-	120/240/320	120/240/320	120/240/320	63/135/180	42/90/135	42/90/135	42/90/135	

AHC Series (Air Handler Unit) Technical Specifications

Model		AHC18H14	AHC24H14	AHC30H14	AHC36H14	AHC42H14	AHC48H14	AHC60H14	
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	17,600	23,600	28,600	34,000	40,500	46,000	
	RT	1.46	1.96	2.38	2.83	3.37	3.83	4.66	
	SEER	Btu/h	14	14	14	14	14	14	
Indoor External Static Pressure		Pa	25	25	37	37	50	50	
Throttle Type		-	TXV	TXV	TXV	TXV	TXV	TXV	
Indoor Coil	Number of Row	-	3 (row)x2 (piece)	4 (row)x2 (piece)	4 (row)x2 (piece)	4 (row)x2 (piece)	5 (row)x2 (piece)	5 (row)x2 (piece)	
	Tube Pitch (a) x Row Pitch (b)	in	0.83x0.53	0.83x0.53	0.83x0.53	0.83x0.53	0.83x0.53	0.83x0.53	
	Fin Spacing	in	1/16	1/16	1/16	1/16	1/16	1/16	
	Fin Material	-	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	
	Tube Outside Diameter	in/mm	Φ 0.276/6.502	Φ 0.276/6.502	Φ 0.276/6.502	Φ 0.276/6.502	Φ 0.276/6.502	Φ 0.276/6.502	
	Tube Material	-	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	
	Coil Length x Height x Width	in	17.44x14.88x1.58	17.44x16.53x2.11	17.44x16.53x2.11	17.44x16.53x2.11	17.44x16.53x2.11	19.84x21.5x2.63	19.84x21.5x2.63
mm	442.912x377.825x53.578	442.912x419.894x53.578	442.912x419.894x53.578	442.912x419.894x53.578	442.912x419.894x53.578	442.912x419.894x53.578	504.031x546.1x66.675	504.031x546.1x66.675	
Number of Circuit	-	6	8	8	8	12	12		
Indoor Fan Motor	Brand	-	Kangbao	Kangbao	Kangbao	Kangbao	Kangbao	Kangbao	
	Type	-	AC	AC	AC	AC	AC	AC	
	Input	W	180	206	288	398	463	578	
	Output	W	100	135	180	220	270	300	
	Capacitor	µF	6	6	6	10	10	12	
	Speed (Hi/Me/Lo)	rpm	440/390/340	570/530/490	670/600/530	805/730/690	839/723/610	920/870/820	920/870/820
Blower	Diameter	in/mm	12.31 / 312.738	12.31 / 312.738	12.31 / 312.738	12.31 / 312.738	12.31 / 312.738	12.31 / 312.738	
	Width	in/mm	12.90 / 327.819	12.90 / 327.819	12.90 / 327.819	12.90 / 327.819	12.90 / 327.819	12.90 / 327.819	
	Indoor Air Flow	CFM	723/610/500	938/804/738	1204/1060/919	1376/1235/1161	1562/1385/1208	1695/1574/1434	1695/1574/1434
Indoor Noise Level	dB(A)	39	41	47	51	53	55	55	
Indoor Dimension	Unit (WxHxD)	in	19.66x45.75x22	19.62x45.75x22	19.62x45.75x22	19.62x45.75x22	19.62x45.75x22	22x53.12x24.1/2	22x53.12x24.5
	mm	500x1162x560	500x1162x560	500x1162x560	500x1162x560	500x1162x560	500x1162x560	560x1350x623	560x1350x623
	Packing (WxHxD)	in	22.83x47.62x25.60	22.83x47.62x25.60	22.83x47.62x25.60	22.83x47.62x25.60	22.83x47.62x25.60	28x54.75x25.20	28x54.75x25.20
	mm	580x1210x650	580x1210x650	580x1210x650	580x1210x650	580x1210x650	580x1210x650	640x1390x710	640x1390x710
Net / Gross Weight	kg	56/61	59/64	61/66	60/65	62/67	80/86	80/86	
lb	123/134	130/141	134/146	132/143	137/148	176/190	176/190		
Loading Per Container 20' /40' /40'HQ	-	30/60/120	30/60/120	30/60/120	30/60/120	30/60/120	27/54/54	27/54/54	

