
TECHNICAL SPECIFICATIONS



CCAG & CCHG Series 13 Seer Air Conditioners and HP - 410A

The CCAG Series air conditioners and CCHG Heat pumps offer exceptional performance from a small, compact package. The units, when combined with our indoor coils, offers a full line of quality, low decibel split system cooling equipment.



CCAG and CCHG Outdoor Unit

Features and Benefits

Durable attractive Cabinet - Designed using galvanized steel. Electrostatically painted resisting corrosion 50%

Copper Tube / Aluminum Fin Coils - designed to optimize heat transfer, minimize cost and size, and increase durability and reliability. better than comparable units.

Low RPM Motor and Blade Assembly - A heavy duty PSC motor, coupled with an engineered plastic fan blade, increase the deflection of heat, while decreasing typical air noise. The highly advanced plastics used to manufacture the blades never rust, warp, or waver.

Fully Functional Service Valves - These brass valves are easily accessible, allowing the contractor to check and maintain the refrigeration system for years to come.

Isolated Compressor Compartment - Not only is the compressor isolated, but it is covered by an insulated sound blanket. These two features silence the compressor to give the units one of the lowest sound ratings in the industry.

Full Size Filter Driers - Protect the system from harmful contaminants that shorten the life of the internal refrigeration components. This is no copper spun drier.

High and Low Pressure Switches - Are safety components designed to protect the compressor from damage due to dirty condensers and refrigerant leaks.

Low Voltage Fuse Protection - Added to protect the system even when things go wrong with other parts of the system. The fuse protects the unit from low voltage shorts or spikes due to thermostats issues, indoor transformer problems, or voltage irregularity.

Terminal Strips - Both line an low voltage strip is added to the front of the electrical compartment to make it easy to install and service the unit. A clear cover shields the terminals from hands and metal components.

Cabinet Incorporated Coil Guard - As part of the cabinet, acoil guard is formed to protect the coil from damage. Because this is part of the cabinet, less use of screws are needed and lowers possible vibration.



Specifications Horizontal Condensers 13 Seer - A/C and Heat Pump - R410A

TOD / Indoor DB / Indoor WB		CCAG24JFN13	CCAG30JFN13	CCAG36JFN13	CCAG48JFN13	CCAG60JFN13	
Nominal Capacity	95 / 80 / 67 Btu/h	22,500	27,500	34,100	45,500	55,000	
Capacity	82 / 75 / 62 Btu/h	23,800	28,700	35,800	47,800	57,000	
Heating Capacity (HP)	47 Btu/h	21,200	27,000	33,000	45,000	55,000	
Indoor CFM		800	1,000	1,200	1,600	2,000	
Electrical Data	Power Supply (V / Ph / Hz)	208-230/1/60					
	Minimum Circuit Ampacity	12.62	15.12	17.76	23.88	29.73	
	Delay Fuse max. (2)	25	30	35	50	55	
Compressor	Manufacturer/Brand	COPELAND					
	Type	SCROLL					
	Power Source	208-230/1/60					
	Model	ZP20K5E-PFV	ZP25K5E-PFV	ZP31K5E-PFV	ZP42K5E-PFV	ZP51K5E-PFV	
	Cap. MFD/VAC	35/370	40/370	45/370	70/370	70/440	
	LRA Amp.	58.3	73	79	117	145	
	Current Amp.	9.1	11.1	13.5	18.4	21.8	
	RLA Amp.	10.34	12.34	14.38	19.28	24.28	
Watts Input	2040	2520	3070	4070	4860		
Fan Motor	Speed RPM	870	870	890	890	870	
	Run Cap. MFD/VAC	7.5 / 400	7.5 / 400	2.0 / 370 x 2	2.0 / 370 x 2	7.5 / 400 x 2	
	FLA Amp.	1.24		.44 x 2		1.24 x 2	
	Qty.	1		2			
Fan Blade	Type	Propeller					
	Dia./Qty. Inch	20 / 1		18 / 2		20 / 2	
Airflow	CFM	3,000		3,600		5,000	
Sound Level	dB(A)	61.1	61.2	62.8	63	63.2	
Electrical Components	Contactor	Voltage (Volt)	208-230/1/60				
		Rating (Amp.)	20	25	30	40	50
		Coil Voltage	24	24	24	24	24
		Type	2 Pole				3 Pole
	Qty.	1					
Fuse	Type	Fuse type 505-0401-024 UL Listed					
	Amp / Volt	3.15 A					
Protection Devices	High Pressure	Model	BLPS-YKH01 039-600K440Y "OSK"				
	Low Pressure	Model	600 / 440				
	High Pressure	Model	BLPS-YKL01-039-060K110K "OSK"				
	Low Pressure	Model	60 / 110				
Filter Drier	Model	SAD-053S 3/8"		SAD-084S 1/2"			
Coil	ACC	Type	Louver Fin / Inner Groove Tube				
		Size (Inch)	30x38 - 1 (16)	36x34 - 1 (13)	46x38 - 1 (16)	46x38 - 1 (16)	48x38 - 1 (16)
			30x37 - 1 (16)	36x33 - 1 (13)	46x37 - 1 (16)	46x37 - 1 (16)	48x37 - 1 (16)
			30x36 - 1 (16)	36x32 - 1 (13)		46x36 - 1 (16)	48x36 - 1 (16)
Service Valve	Liquid	Inchs	3/8"			1/2"	
		Type	SOLDER TO SOLDER				
	Suction	Inchs	5/8"			3/4"	
		Type	SOLDER TO SOLDER				
Refrigerant	Type	R410A					
	Charge lbs.	6	8.8	10.2	12.5	13.8	
Unit / Shipping Dimensions	Height (in.)	31.3 / 36	37.4 / 42	47.3 / 51	47.3 / 51	50.3 / 53	
	Width (in.)	37.4 / 43	37.4 / 43	37.4 / 43	37.4 / 43	37.4 / 43	
	Depth (in)	15.4 / 17	15.4 / 17	15.4 / 17	15.4 / 17	15.4 / 17	
Net Weight / Ship Weight	LBS	161 / 169	172 / 180	185 / 193	227 / 235	251 / 260	