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## TECHNICAL SPECIFICATIONS

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### CCAG Series 13 Seer Air Conditioners

The CCAG Series air conditioners 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 Outdoor Unit

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### Features and Benefits

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**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 and 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, a coil 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 Only - R22

TOD / Indoor DB / Indoor WB			CCAG-18-13CFN	CCAG-24-13CFN	CCAG-30-13CFN	CCAG-36-13CFN	CCAG-48-13CFN	CCAG-60-13CFN	
Nominal	95 / 80 / 67	Btu/h	17,000	23,000	27,500	35,500	45,500	52,000	
Capacity	82 / 75 / 62	Btu/h	17,600	24,000	28,700	37,500	47,800	55,000	
Indoor CFM			600	800	1,000	1,200	1,600	2,000	
Electrical Data	Power Supply ( V / Ph / Hz )		208-230/1/60						
	Minimum Circuit Ampacity		12.98	14.73	18.56	23.62	28.62	29.87	
	Delay Fuse max. (2)		20	25	30	40	45	50	
Compressor	Manufacturer/Brand		COPELAND						
	Type		SCROLL						
	Power Source		208-230/1/60						
	Model		ZR16K4-PFV	ZR22K3-PFV	ZR26K3-PFV	ZR32K3-PFV	ZR42K3-PFV	ZR47K3-PFV	
	Cap.	MFD/VAC	30/370	45/370	40/370	45/370	60/370	60/440	
	LRA	Amp.	41	56	67	83	109	137	
	Current	Amp.	6.7	9	11.1	13.6	17.2	18.2	
	Watts Input	Watts	1370	2090	2440	2960	3790	4190	
Fan Motor	Manufacturer		PRECISE						
	Power Source		220 V / 1 / 60 Hz						
	Model		C1-1/15TS-FG	C1-1/5TY-FG1		C1-1/10TR-FG		CB1-1/5TY-FG1	
	Speed	RPM	950	900					
	Run Cap.	MFD/VAC	2.5 / 400	7.5 / 400					
	FLA	Amp.	0.48	1.56		.72 x 2		1.56 x 2	
Fan Blade	Type		Propeller						
	Dia./Qty.	Inch	18 / 1	20 / 1		18 / 2		20 / 2	
Airflow	CFM		1,600	1,800		3,300		4,400	
Sound Level	dB(A) @ Unit		60	61.1	61.2	62.8	63	63.2	
	dB(A) @ 10 Feet		53.5	55	55	56	56.5	57	
Electrical	Contactor	Voltage (Volt)	220						
		Rating (Amp.)	20		25	30	40	50	
		Coil Voltage	24	24	24	24	24	24	
		Type	2 Pole						3 Pole
Components	Fuse	Qty.	1						
		Type	Fuse type 505-0401-024 UL Listed						
		Amp / Volt	3.15 A						
Terminal Block	Type	TL25-04 30 A / 515-0108-008				TL35-C04 50 A / 515-0108-032			
Protection Devices	High Pressure Switch	Model	8414C IHP-000-395K295Y						
		Off/On	395 / 295						
	Low Pressure Switch	Model	8611C ILPS-030-027D067G						
		Off/On	27 / 67						
Filter Drier	Model	EK-053S 3/8"				EK-084S 1/2"			
Coil	ACC	Type	Louver Fin / Inner Groove Tube						
		Size (Inch)	30x34 - 1 (16)	30x38 - 1 (20)	36x34 - 1 (16)	46x38 - 1 (16)	46x38 - 1 (20)	48x38 - 1 (20)	
			30x33 - 1 (16)	30x37 - 1 (20)	36x33 - 1 (16)	46x37 - 1 (16)	46x37 - 1 (20)	48x37 - 1 (20)	48x36 - 1 (20)
Service Valve	Liquid	Inchs	3/8"				1/2"		
		Type	SOLDER TO SOLDER						
	Suction	Inchs	5/8"				3/4"		
		Type	SOLDER TO SOLDER						
Refrigerant	Type	R-22							
	Charge	lbs.	4.4	5.94	8.58	9.9	12.1	13.2	
Unit / Shipping Dimensions	Height (in.)		31.5 / 36	31.5 / 36	37.4 / 42	48.3 / 51	48.3 / 51	50.3 / 53	
	Width (in.)		37.4 / 43	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	15.4 / 17	
Net Weight / Ship Weight	LBs		130 / 138	160 / 168	190 / 200	208 / 218	250 / 265	282 / 297	