

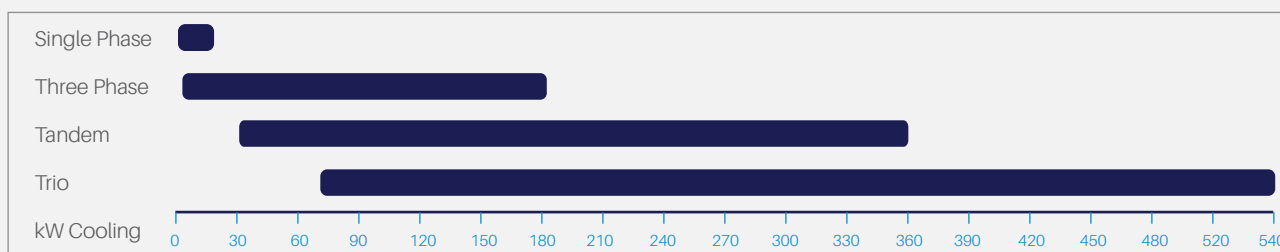
R410A Copeland Scroll Compressors for Air Conditioning

Copeland has been a leader in the HVACR industry, offering a full range of R410A Copeland scroll commercial air-conditioning compressors. The Copeland ZP series compressors are well-suited for air-cooled systems up to 600 kW and water-cooled systems up to 700 kW (IPLV). They provide versatility, accommodating single compressors, two compressors in tandem, or three compressors in parallel systems.

With a strong seasonal energy efficiency ratio, the Copeland ZP compressors deliver efficient, reliable, and flexible solutions for system manufacturers. This makes them a practical choice for various applications across the industry.

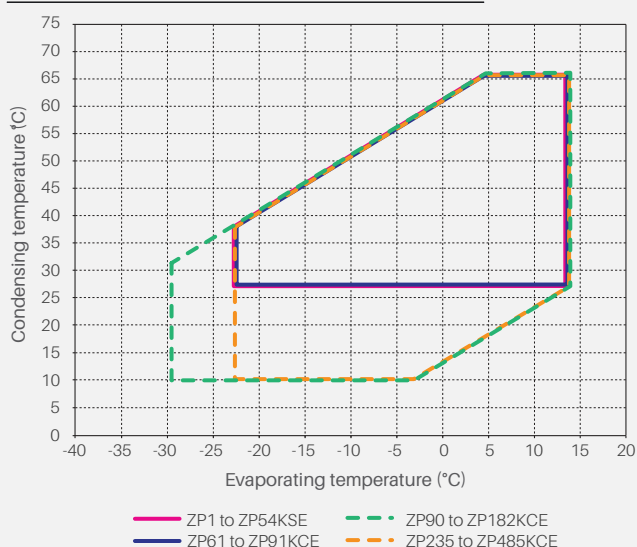


Compressor Product Line Up



Based on AHRI conditions: evaporating temperature 7.2°C, condensing temperature 54.4°C, subcooling 8.3K, superheat 11.1K, ambient temperature 35°C

Operating Envelope



Note: For more information on operating ranges and high temperature applications, please contact your local Copeland sales representative or applications engineer

Key Features

- Proven Copeland reliability in tandem and trio systems with superior Seasonal Energy Efficiency Ratio
- Copeland axial and radial compliance technology helps ensure higher energy efficiency and operational reliability
- Lower Life Cycle Climate Performance
- Wide capacity R410A Copeland scroll compressor line
- Lower noise and vibration levels
- Capable oil circulation rate

R410A Technical Data

380-420V/3 Phase/50Hz

Model	Capacity (W)	COP (W/W)	Displacement (cc/Rev.)	Tandem	Trio	Digital Scroll	EVI
ZP24KSE	5,670	2.83	22.8				
ZP29KSE	7,003	2.93	27.6				
ZP31KSE	7,350	2.84	29.5				
ZP34K5E	8,200	2.90	32.8				
ZP36KUE	8,790	3.08	34.5				
ZP39KSE	9,250	2.93	36.9				
ZP42KUE	10,255	3.11	39.9				
ZP44KUE	10,841	3.08	42.0				
ZP49KUE	11,950	3.14	46.4				
ZP51KUE	12,453	3.14	47.1				
ZP54KUE	13,185	3.11	49.9				
ZP57KUE	13,918	3.11	53.1				
ZP61KUE	15,090	3.11	57.2				
ZP67KCE	16115	3.11	63.0	•		•	
ZP72KCE	17141	3.02	67.2	•		•	•
ZP76KCE	18,400	3.14	70.8	•			
ZP83KCE	19,900	3.11	77.2	•		•	•
ZP83KFE	19,900	3.02	77.2	•			
ZP90KCE	21,800	3.14	84.2	•			
ZP91KCE	21,700	3.19	84.6	•		•	
ZP91KFE	21,700	3.11	84.6	•			
ZP103KCE	25,200	3.22	96.4	•	•		
ZP103KFE	25,200	3.16	96.4	•	•		
ZP104KCE	25,400	3.27	96.4	•		•	•
ZP120KCE	29,300	3.22	113.6	•	•		•
ZP120KFE	29,300	3.14	113.6	•	•		
ZP122KCE	29,900	3.27	112.3	•		•	•
ZP137KCE	32,500	3.19	127.2	•	•		
ZP143KCE	35,500	3.28	132.7	•			
ZP144KCE	35,500	3.28	134.6	•			•
ZP144KFE	35,500	3.19	134.6	•			
ZP154KCE	37,000	3.22	142.9	•	•		
ZP154KFE	37,000	3.10	142.9	•	•		
ZP182KCE	44,000	3.25	167.2	•	•		•
ZP232KCE	56,700	3.37	210.2	•			•
ZP292KCE	71,500	3.37	262.8	•			•
ZP235KCE	57,000	3.25	217.2	•	•		
ZP295KCE	71,500	3.25	268.5	•	•		
ZP385KCE	92,500	3.25	349.4	•	•		
ZP485KCE	118,400	3.31	444.5	•	•		
ZP600KZE	147,200	3.33	663.7	•	•		•

220-240V/1 Phase/50Hz

Model	Capacity (W)	COP (W/W)	Displacement (cc/Rev.)
ZP22KME	5,391	2.99	20.6
ZP25KME	6,065	2.93	23.8
ZP27KME	6,563	3.02	25.7
ZP28KME	6,858	2.96	26.7
ZP29KSE	6,900	2.87	27.5
ZP31KSE	7,350	2.89	29.5
ZP36KUE	8,790	3.05	34.5
ZP39KSE	9,200	2.93	36.9
ZP42KUE	10,255	2.99	39.8
ZP51KSE	12,150	3.00	48.2
ZP54KSE	13,050	3.02	51.1
ZP57K3E	13,950	2.96	54.3
ZP61KCE	14,800	2.99	58.1
ZP67KCE	16,100	2.96	63.0



REGISTERED HEAD OFFICE

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