

Copeland Scroll Compressor R32 refrigerant series

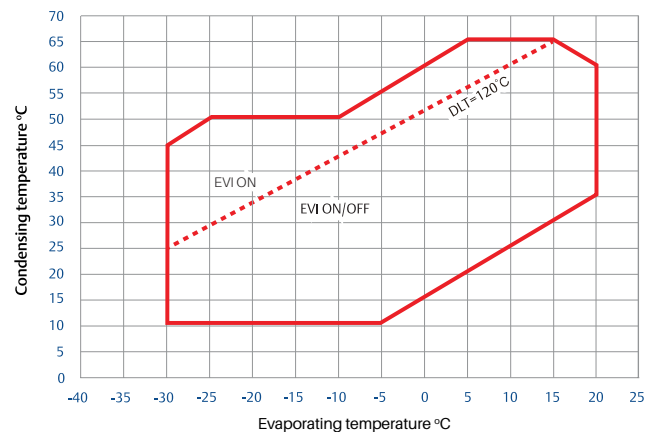


The R32 Copeland Scroll compressor is designed for innovation, reliability and outstanding performance. The industry has set new standards. The superior reliability of Copeland Scroll compressors comes from axial and radial flexible design, this innovative design ensures better passage of liquids and impurities by the compressor. Enhanced vapor injection technology (optional) provides system manufacturers with a more flexible option when optimizing system performance and cost.

Features and benefits

- Eliminating the use of chlorine based refrigerants and reducing greenhouse gases
- Inlet gas expansion model expands for low temperature applications, enhancing capacity
- Axial and radial compliance ensures Copeland Scroll compressors excellent reliability
- Low noise and vibration levels
- Low oil circulation rate

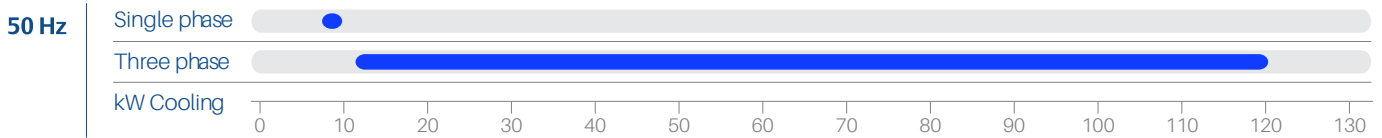
Operating envelopes



Remarks: Please refer to the application guide for the actual operating envelope.

Product line up

R22/R407C





Technical data

220-240V; 50 Hz, 1 Phase

R32

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZE36KUE PFZ	3.0	9,583	32,700	2,360	11.0	4.06	13.8	31.5	1.24	33.1	98.0	69.0
ZE39KUE PFZ	3.5	10,521	35,900	2,590	13.5	4.06	13.8	32.9	1.24	33.1	121.5	69.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380-420V; 50 Hz, 3 Phase

R32

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZE49KME TFM	4.0	12,016	41,000	3,800	7.0	3.16	10.8	42.0	1.24	30.4	64.1	69.0
ZE49KUE TFM	4.0	13,130	44,800	3,080	5.8	4.26	14.6	42.0	1.24	31.8	56.7	69.0
ZE52KME TFM	4.5	12,690	43,300	4,010	7.4	3.16	10.8	44.6	1.24	29.9	64.1	69.0
ZE52KUE TFM	4.5	14,097	48,100	3,230	6.3	4.36	14.9	44.6	1.24	30.8	72.0	69.0
ZE55KME TFM	4.5	13,364	45,600	4,220	7.7	3.17	10.8	47.0	1.24	29.9	64.1	69.0
ZE65KCE TFM	5.5	16,207	55,300	5,230	9.3	3.10	10.6	58.2	1.89	39.9	68.0	71.0
ZE76KCE TFD	6.5	18,376	62,700	5,850	11.0	3.14	10.7	67.2	1.77	39.9	100.0	72.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C