

Copeland low-temperature scroll compressors for refrigeration



Fixed / modulation	Fixed			Modulation	Fixed	Modulation
ZO**K/ZOD**K Low temperatures -58°F to -13°F	ZF**KA Low temp/ liquid injection -40°F to 10°F Small scrolls	ZF**K4 Low temp/ liquid injection -40°F to 0°F Med temp/ liquid injection -10°F to 45°F * with sight glass	ZF**KV Enhanced vapor injection(EVI) with sight glass -40°F to 0°F *	ZFD**KV Enhanced vapor injection (EVI) 10% to 100% digital modulation with sight glass -40°F to 0°F *	ZF**K5 Enhanced vapor injection (EVI) Compressor electronics technology -40°F to 0°F *	ZFD**K5 Enhanced vapor injection (EVI) 10% to 100% digital modulation Compressor electronics technology -40°F to 0°F *
HP/models/plant						
1.0 – 6 HP ZO21K5, 34/45/58K3, 88/104KC ZOD34/58K3, 104KC N. Ireland	1.0 – 3.5 HP ZF03, 04, 05, 06, 07, 09, 11 Lebanon MO	4.0 – 8.0 HP ZF13, 15, 18, 25, 28 Sidney, OH / N. Ireland	4.0 – 8.0 HP ZF13, 18, 25, 28 Sidney, OH / N. Ireland	4.0 – 7.5 HP ZFD13, 18, 25 Sidney, OH / N. Ireland	8.0 – 17 HP ZF34, 41, 49, 54 Lebanon, MO / Belgium	13.0 HP ZFD41K5 Lebanon, MO
Refrigerants						
R-744 (CO ₂)	R-404A, 407A/C/F, 448A, 449A, 507	R-22, 134a, 404A, 407A/C/F, 448A, 449A, 507	R-22, 404A, 407A/C/F, 448A, 449A, 507	R-22, 404A, 407A/C/F, 448A, 449A, 507	R-22, 404A, 407A/C/F, 448A, 449A, 507	R-22, 404A, 407A/C/F, 448A, 449A, 507
Applications						
Supermarket, reach-in/walk-in freezer, environmental chambers, industrial/medical applications, transportation						

*Evap temperature can vary per refrigerant

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Copeland medium-temperature scroll compressors for refrigeration



Fixed					Modulation	Fixed	Modulation
ZB**KA Smallest displacement in refrigeration scroll -10°F to 45°F	ZS**KA Extended medium temperature -25°F to 45°F	ZS**K4 Extended medium temperature with sight glass -25°F to 45°F	ZB**KC With sight glass -10°F to 45°F	ZB**KC Advanced scroll temperature protection (ASTP) with sight glass -10°F to 45°F	ZBD**KC 10% to 100% digital modulation with sight glass -10°F to 45°F	ZB**K5 Compressor electronics technology -10°F to 45°F	ZBD**K5 10% to 100% digital modulation Compressor electronics technology -10°F to 45°F
HP/models/plant							
0.75 - 1.25 HP ZB06, 07, 08 Lebanon, MO	1.3 - 4.5 HP ZS09, 11, 13, 15, 19, 20, 21, 26, 29, 33 Lebanon, MO	4.0 - 6.0 HP ZS30, 38, 45 Sidney, OH/N. Ireland	4.0 - 9.0 HP ZB29, 30, 38, 42, 45, 48, 57 Sidney, OH/N. Ireland	9.0 - 15 HP ZB66, 76, 88, 95, 114 Lebanon, MO/Belgium	3.0 - 10 HP ZBD21, 30, 38, 45, 57 Sidney, OH/N. Ireland	8.0 - 15 HP ZB58, 66, 76, 95, 114 Lebanon, MO/Belgium	10 & 15 HP ZBD76, 114 Lebanon, MO
Refrigerants							
R-22, 134a, 290 404A, 407A/C/F, 448A, 449A, 507	R-22, 134a, 404A, 407A/C/F, 448A, 449A, 507	R-22, 404, 507, 134a	R-22, 134a, 290, 404A, 407A/C/F, 448A, 449A, 507, 513A	R-22, 134a, 404A	R-22, 134a, 404A, 407A/C/F, 448A, 449A, 507, 513A	R-22, 134a, 404A, 407A/C/F, 448A, 449A, 507, 513A	R-22, 134a, 404A, 407A/C/F, 448A, 449A, 507, 513A
Applications							
Supermarket, reach-in/walk-in coolers, soft serve /FCB, transportation							

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