

# Copeland™ low-temperature scroll compressors for refrigeration



Fixed/Modulation	Fixed	Fixed	Fixed	Modulation	Fixed	Modulation
<b>ZO**K/ZOD**K</b> Low Temperatures -58°F To -13°F	<b>ZF**KA</b> Low Temp/Liquid Injection -40°F To 10°F Small Scrolls	<b>ZF**K4</b> Low Temp/Liquid Injection -40°F To 0°F Med Temp / Liquid Injection -10°F To 45°F * With Sight Glass	<b>ZF**KV</b> Enhanced Vapor Injection (EVI) With Sight Glass -40°F To 0°F *	<b>ZFD**KV</b> Enhanced Vapor Injection (EVI) 10% to 100% Digital Modulation With Sight Glass -40°F To 0°F *	<b>ZF**K5</b> Enhanced Vapor Injection (EVI) Compressor Electronics Technology -40°F To 0°F *	<b>ZFD**K5</b> Enhanced Vapor Injection (EVI) 10% to 100% Digital Modulation Compressor Electronics Technology -40°F To 0°F *

\*Evap temperature can vary per refrigerant

## HP/Models/Plant

<b>1.0 – 6 HP</b> ZO21K5, 34/45/58K3, 88/104KC ZOD34/58K3, 104KC N. Ireland	<b>1.0 – 3.5 HP</b> ZF03, 04, 05, 06, 07, 09, 11 Lebanon MO	<b>4.0 – 8.0 HP</b> ZF13, 15, 18, 25, 28 Sidney, OH / N. Ireland	<b>4.0 – 8.0 HP</b> ZF13, 18, 25, 28 Sidney, OH / N. Ireland	<b>4.0 – 7.5 HP</b> ZFD13, 18, 25 Sidney, OH / N. Ireland	<b>8.0 – 17 HP</b> ZF34, 41, 49, 54 Lebanon, MO / Belgium	<b>13.0 HP</b> ZFD41K5 Lebanon, MO
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## Refrigerants

R-744 (CO <sub>2</sub> )	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
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## Applications

Supermarket, Reach-In/Walk-in Freezer, Environmental Chambers, Industrial/Medical Applications, Transportation

# Copeland™ medium-temperature scroll compressors for refrigeration



Fixed		Modulation		Fixed		Modulation	
<b>ZB**KA</b> Smallest Displacement in Refrigeration Scroll -10°F To 45°F	<b>ZS**KA</b> Extended Medium Temperature -25°F To 45°F	<b>ZS**K4</b> Extended Medium Temperature With Sight Glass -25°F To 45°F	<b>ZB**KC</b> With Sight Glass -10°F To 45°F	<b>ZB**KC</b> Advanced Scroll Temperature Protection (ASTP) With Sight Glass -10°F To 45°F	<b>ZBD**KC</b> 10% to 100% Digital Modulation With Sight Glass -10°F To 45°F	<b>ZB**K5</b> Compressor Electronics Technology -10°F To 45°F	<b>ZBD**K5</b> 10% to 100% Digital Modulation Compressor Electronics Technology -10°F To 45°F
<b>HP/Models/Plant</b>							
<b>0.75 – 1.25 HP</b> ZB06, 07, 08 Lebanon, MO	<b>1.3 – 4.5 HP</b> ZS09, 11, 13, 15, 19, 20, 21, 26, 29, 33 Lebanon, MO	<b>4.0 – 6.0 HP</b> ZS30, 38, 45 Sidney, OH/N. Ireland	<b>4.0 – 9.0 HP</b> ZB29, 30, 38, 42, 45, 48, 57 Sidney, OH/N. Ireland	<b>9.0 – 15 HP</b> ZB66, 76, 88, 95, 114 Lebanon, MO/Belgium	<b>3.0 – 10 HP</b> ZBD21, 30, 38, 45, 57 Sidney, OH/N. Ireland	<b>8.0 – 15 HP</b> ZB58, 66, 76, 95, 114 Lebanon, MO/Belgium	<b>10 &amp; 15 HP</b> ZBD76, 114 Lebanon, MO
<b>Refrigerants</b>							
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
<b>Applications</b>							
Supermarket, Reach-In/Walk-in Coolers, Soft Serve /FCB, Transportation							