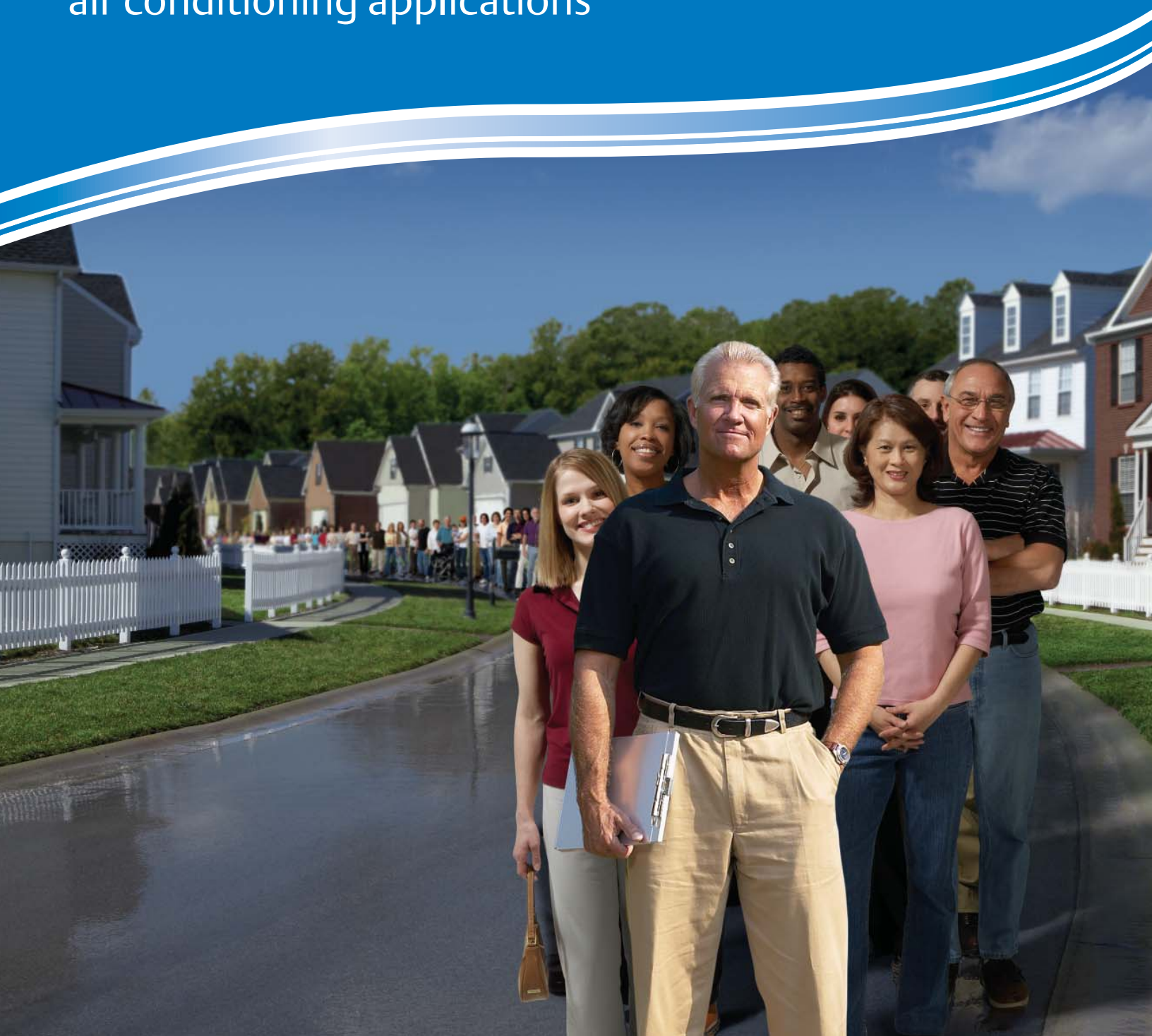


Copeland Scroll® compressors

for residential and light commercial
air conditioning applications



Because your reputation is built on proven performance and reliability.

Why are more and more contractors choosing Copeland Scroll® compressors? The answer is simple – their reliability, innovation and proven performance. And with more than 80 million installations, more than 20 years of experience and nine scroll facilities around the world, Copeland Scroll is the right choice for the 13 SEER market...the right choice to keep you – and your reputation – ahead of the curve.

“Bottom line...when it comes to my customers, Copeland Scroll compressors are the only compressors I trust to get the job done.”

– James Garner, Interstate Plumbing and Air Conditioning, Las Vegas, Nevada

“To professionally do our job and meet our customers’ expectations, it is vital that we feel confident with the products and technology we encounter in the field. Copeland Scroll compressors give us this confidence.”

– Mark Kerney, president, Hill York Service Corporation, Fort Lauderdale, Florida



Because you refuse to let your customers down.

Like you, Copeland Scroll compressors have earned a reputation for proven performance – performance that delivers quality, reliability and customer satisfaction.

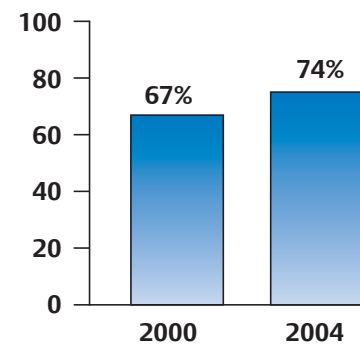
When you introduce customers to Copeland Scroll compressors, you’re giving them the most advanced technology in the industry. Powering today’s 13+ SEER applications, the next generation of Copeland Scroll technology delivers breakthroughs in protection, reliability, efficiency and sound with 20 major design improvements and eleven new patents pending.

With more than 20 years of design experience and quality built on manufacturing over 80 million installations worldwide, it is proven that robust Copeland Scroll compressors are inherently more reliable in even the harshest environments. When it comes to your reputation, go with the best choice, the preferred choice, Copeland Scroll.

Because it’s the industry standard.

Independent research findings

Scroll preference



Research continues to show that contractors increasingly prefer scroll technology to units with reciprocating compressors.

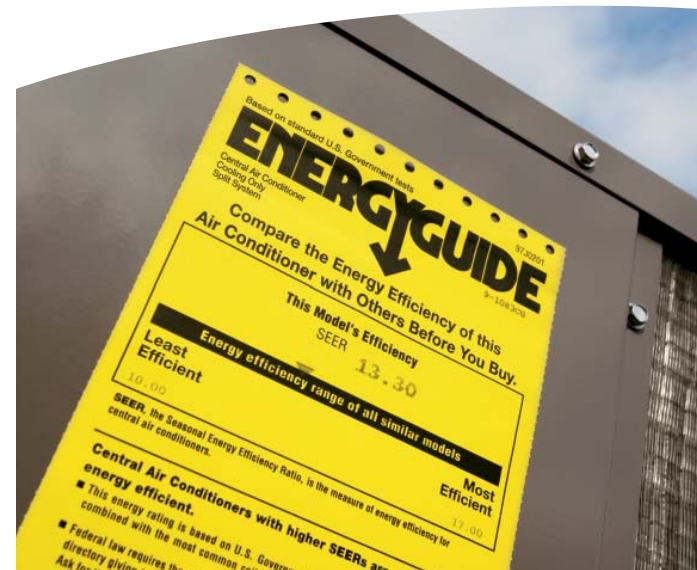
To learn more about the award-winning Copeland Scroll compressor, go online to CopelandScroll.com.

Because of the benefits.

- 1 Improved temperature protection
- 2 Internal pressure protection
- 3 New quiet shutdown solution
- 4 Larger shaft bearing system for enhanced reliability
- 5 Redesigned shell for quieter operation
- 6 Optimized scroll and seal design for improved efficiency
- 7 Common shell/tube configurations and standardized parts for improved manufacturing and product quality
- 8 High-efficiency motor

“Copeland Scroll compressors now deliver even greater reliability and efficiency.”

– Ken Monnier, vice president of engineering, Emerson Climate Technologies, Inc. – Air Conditioning division



Copeland Scroll ZPK5E compressor specification chart

| Model | ARI Capacity Btu/hr | RLA Amps TF5/TFD | Run Cap. MFD/Volts | Diameter Inches (A) | Suction Height Inches (B) | Discharge Height Inches (C) | Height Inches (D) | Weight Lbs. | Suction Diameter Inches |
|-------------------|---------------------|-------------------|--------------------|---------------------|---------------------------|-----------------------------|-------------------|-------------|-------------------------|
| ZP16K5E-PFV | 15,500 | 10 | 30/370 | 5.5 | 10.3 | 14.2 | 15.3 | 47 | 3/4 |
| ZP16K5E-PFJ | 15,500 | 7.9 | 35/370 | 5.5 | 10.3 | 14.2 | 15.3 | 49 | 3/4 |
| ZP20K5E-PFV | 20,000 | 15 | 35/370 | 5.5 | 10.3 | 14.2 | 15.3 | 47 | 3/4 |
| ZP20K5E-PFJ | 20,000 | 10 | 40/370 | 5.5 | 10.3 | 14.2 | 15.3 | 49 | 3/4 |
| ZP20K5E-TF5 | 20,000 | 7.9 | N/A | 5.5 | 10.3 | 14.2 | 15.3 | 48 | 3/4 |
| ZP21K5E-PFV | 21,300 | 14.3 | 40/370 | 5.5 | 10.3 | 14.2 | 15.3 | 47 | 3/4 |
| ZP21K5E-PFJ | 21,300 | 10.7 | 40/370 | 5.5 | 10.3 | 14.2 | 15.3 | 49 | 3/4 |
| ZP21K5E-TF5 | 21,300 | 8.6 | N/A | 5.5 | 10.3 | 14.2 | 15.3 | 48 | 3/4 |
| ZP24K5E-PFV | 24,000 | 14.3 | 40/370 | 5.5 | 10.3 | 14.2 | 15.3 | 48 | 3/4 |
| ZP24K5E-PFJ | 24,000 | 12.1 | 40/370 | 5.5 | 10.3 | 14.2 | 15.3 | 49 | 3/4 |
| ZP24K5E-TF5/D/E | 24,000 | 9.3/5.7/3.7 | N/A | 5.5 | 10.3 | 14.2 | 15.3 | 47 | 3/4 |
| ZP25K5E-PFV | 25,200 | 15.7 | 40/370 | 5.5 | 10.3 | 14.2 | 15.3 | 48 | 3/4 |
| ZP25K5E-PFJ | 25,200 | 12.5 | 40/370 | 5.5 | 10.3 | 14.2 | 15.3 | 50 | 3/4 |
| ZP25K5E-TF5/D/E | 25,200 | 9.9/4.6/3.9 | N/A | 5.5 | 10.3 | 14.2 | 15.3 | 47 | 3/4 |
| ZP28K5E-PFV | 27,900 | 17.9 | 45/370 | 5.5 | 10.3 | 14.2 | 15.3 | 50 | 3/4 |
| ZP28K5E-TF5/D/E | 27,900 | 11.1/5.3/4.1 | N/A | 5.5 | 10.3 | 14.2 | 15.3 | 48 | 3/4 |
| ZP29K5E-PFV | 29,000 | 15.7 | 45/370 | 5.5 | 10.3 | 14.2 | 15.3 | 50 | 3/4 |
| ZP29K5E-PFJ | 29,000 | 13.6 | 60/370 | 5.5 | 10.3 | 14.2 | 15.3 | 49 | 3/4 |
| ZP29K5E-TF5/D/E | 29,000 | 10/6.3/4.2 | N/A | 5.5 | 10.3 | 14.2 | 15.3 | 48 | 3/4 |
| ZP31K5E-PFV | 31,100 | 18.6 | 45/370 | 5.5 | 10.3 | 14.2 | 15.3 | 50 | 3/4 |
| ZP31K5E-PFJ | 31,100 | 15 | 60/370 | 5.5 | 10.3 | 14.2 | 15.3 | 49 | 3/4 |
| ZP31K5E-TF5/D/E | 31,200 | 11.6/6.4/4.2 | N/A | 5.5 | 10.3 | 14.2 | 15.3 | 48 | 3/4 |
| ZP34K5E-PFV | 34,500 | 20 | 45/370 | 6.5 | 11.4 | 15.4 | 16.5 | 71 | 7/8 |
| ZP34K5E-TF5/D/E | 34,600 | 14.7/6.6/4.6 | N/A | 6.5 | 11.4 | 15.4 | 16.5 | 64 | 7/8 |
| ZP36K5E-PFV | 36,000 | 20 | 45/370 | 6.5 | 11.4 | 15.4 | 16.5 | 71 | 7/8 |
| ZP36K5E-PFJ | 36,000 | 17.9 | 60/370 | 6.5 | 11.4 | 15.4 | 16.5 | 72 | 7/8 |
| ZP36K5E-TF5/D/E | 36,000 | 15.1/6.6/5.5 | N/A | 6.5 | 11.4 | 15.4 | 16.5 | 64 | 7/8 |
| ZP38K5E-PFV | 37,500 | 22.1 | 45/370 | 6.5 | 11.4 | 15.4 | 16.5 | 72 | 7/8 |
| ZP38K5E-TF5/D/E | 38,100 | 15.1/6.8/4.6 | N/A | 6.5 | 11.4 | 15.4 | 16.5 | 67 | 7/8 |
| ZP39K5E-PFV | 39,000 | 22.1 | 45/370 | 6.5 | 11.4 | 15.4 | 16.5 | 72 | 7/8 |
| ZP39K5E-TF5/D/E | 39,000 | 14.6/6.8/4.9 | N/A | 6.5 | 11.4 | 15.4 | 16.5 | 67 | 7/8 |
| ZP42K5E-PFV | 42,000 | 24.3 | 70/370 | 6.5 | 11.4 | 15.4 | 16.5 | 73 | 7/8 |
| ZP42K5E-PFJ | 42,000 | 18.1 | 80/370 | 6.5 | 11.4 | 15.4 | 16.5 | 73 | 7/8 |
| ZP42K5E-TF5/D/E | 41,900 | 15.3/6.9/5.4 | N/A | 6.5 | 11.4 | 15.4 | 16.5 | 67 | 7/8 |
| ZP44K5E-PFV | 44,400 | 23.9 | 70/370 | 6.5 | 11.4 | 15.4 | 16.5 | 74 | 7/8 |
| ZP44K5E-TF5/7/D/E | 44,500 | 16.1/9.9/7.1/6.7 | N/A | 6.5 | 11.4 | 15.4 | 16.5 | 68 | 7/8 |
| ZP49K5E-PFV | 49,400 | 27.9 | 70/370 | 6.5 | 11.4 | 15.4 | 16.5 | 76 | 7/8 |
| ZP49K5E-PFJ | 49,400 | 23.8 | 70/370 | 6.5 | 11.4 | 15.4 | 16.5 | 76 | 7/8 |
| ZP49K5E-TF5/7/D/E | 49,700 | 17.7/8.9/7.9/5.7 | N/A | 6.5 | 11.4 | 15.4 | 16.5 | 73 | 7/8 |
| ZP51K5E-PFV | 51,000 | 29.4 | 70/370 | 6.5 | 11.4 | 15.4 | 16.5 | 76 | 7/8 |
| ZP51K5E-PFJ | 51,200 | 22.1 | 80/440 | 6.5 | 11.4 | 15.4 | 16.5 | 76 | 7/8 |
| ZP51K5E-TF5/7/D/E | 51,500 | 17.8/9.5/8.6/6.4 | N/A | 6.5 | 11.4 | 15.4 | 16.5 | 72 | 7/8 |
| ZP54K5E-PFV | 54,000 | 29.3 | 80/370 | 6.5 | 11.4 | 15.4 | 16.5 | 76 | 7/8 |
| ZP54K5E-PFJ | 54,000 | 22.1 | 80/440 | 6.5 | 11.4 | 15.4 | 16.5 | 76 | 7/8 |
| ZP54K5E-TF5/7/D/E | 54,300 | 17.4/11.3/8.6/6.5 | N/A | 6.5 | 11.4 | 15.4 | 16.5 | 72 | 7/8 |

Mounting pattern 7.5"x7.5" (same as previous Copeland Scroll models)

For complete product details and additional information, visit EmersonClimate.com and select Online Product Information (OPI) or CopelandScroll.com.

Copeland Scroll compressor nomenclature

| Z | P | 1 | 6 | K | 5 | E | - | P | F | V | - | 1 | 3 | 0 |
|------------------------|--------------|--------------------------------------|-------------------------------|-----------------|-------------------------------------|---|---|---|------------------------------|---|---|---|------------------------------------|---|
| Z scroll family series | AC, R-410A/B | Nominal Capacity at Rating Condition | Capacity Multiplier K - 1,000 | Model Variation | Oil type E - POE Oil - AK/DA or 3MA | | | P = Single Phase Motor T = Three Phase Motor | Internal Inherent Protection | Code D 460-3 E 575-3 J 265-1 V 208-230-1 5 200-230-3 7 380-3 *only on some A/C scroll models | 60 Hz. 50 Hz. 380-420-3 — 220-240-1 200-1* 200-220-3 — | | Bill of Material Product Variation | |

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