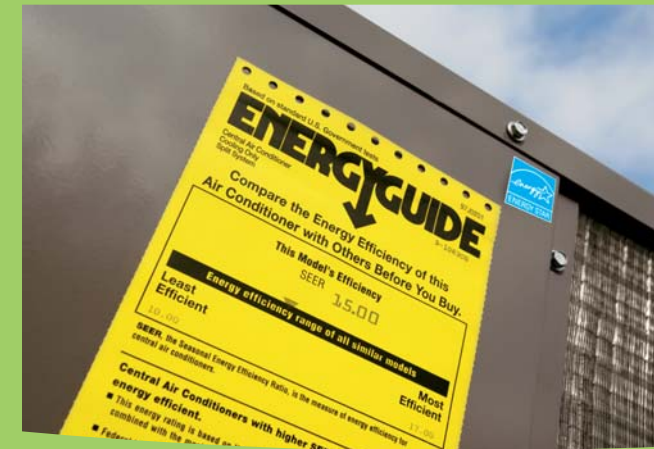


Next generation Copeland Scroll[®] UltraTech[™] two-stage scroll compressor



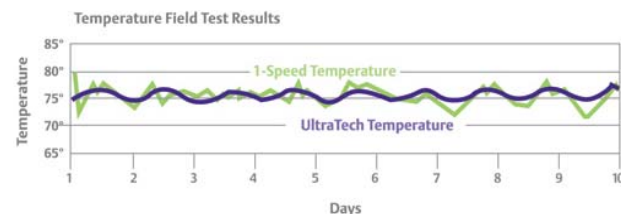
Ultra comfort and energy savings

Contractors have more opportunities than ever to upsell and delight their customers with improved comfort and energy savings. In fact, an independent study recently found that 39 percent of homeowners nationwide would pay a premium for a high efficiency, two-stage air conditioner that offers humidity control and more even temperatures. That's why the next generation Copeland Scroll UltraTech compressor is so popular among contractors and their customers. Since its launch, the 15+ SEER market has grown 45 percent.

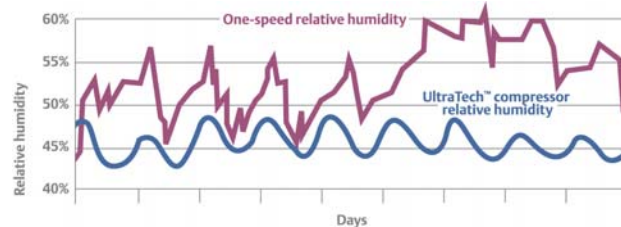


A greater level of comfort

The next generation Copeland Scroll UltraTech compressor provides superior comfort with a revolutionary two-step capacity design. At part-load capacity, systems with Copeland Scroll UltraTech compressors run longer, to reduce humidity and allow precise temperature control by modulating capacity. This eliminates uneven cooling peaks and valleys and allows for steady cooling comfort.



Copeland Scroll UltraTech compressors allow precise temperature control.



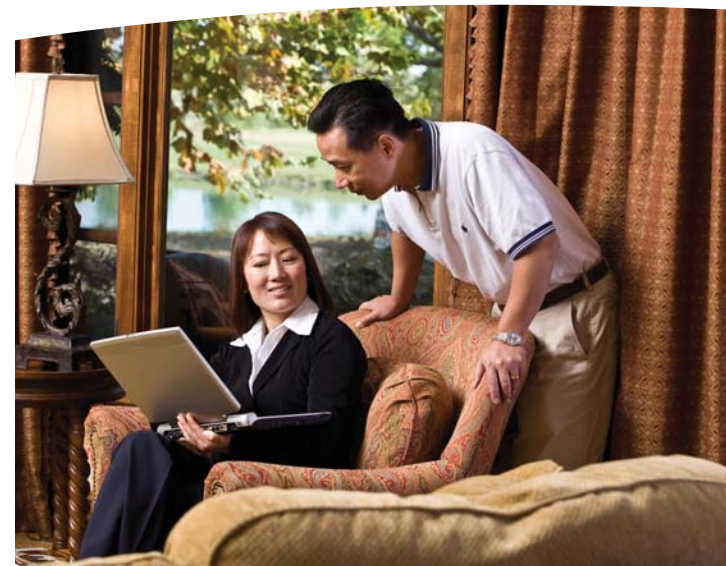
Copeland Scroll UltraTech compressors improve humidity control by 53%.

15-18 SEER energy savings

Over 40 percent of summer utility bills can come from operation of the air conditioner compressor. Copeland Scroll UltraTech compressors lead the industry with a greater level of comfort and energy efficiency, saving up to 25 percent on energy costs as compared to conventional HVAC systems. With as much as a 200 watt reduction in power consumption, systems equipped with Copeland Scroll UltraTech compressors are ideal for 15-18 SEER systems.

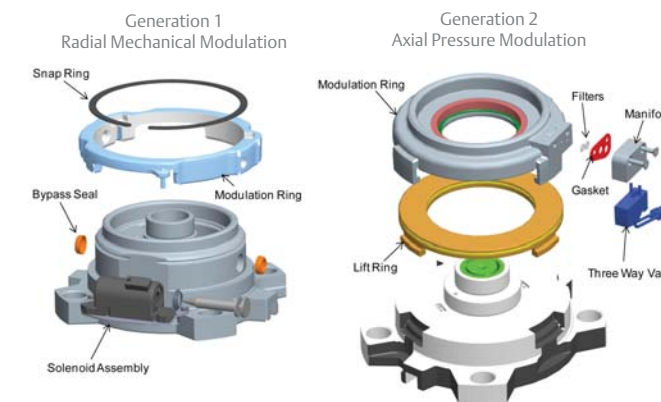
Quiet comfort

The Copeland Scroll UltraTech compressor is remarkably quiet at both full- and part-load capacity. In fact, it is up to four times quieter than a reciprocating compressor. So homeowners can enjoy its superior cooling power without having to hear its operation.



Big benefits in a simple, reliable design

With the Copeland Scroll UltraTech compressor, two internal bypass ports enable the system to run at 67 percent part-load capacity, for enhanced efficiency and humidity control. This new, innovative design uses an internal pressure differential to actuate the modulation assembly significantly reducing the power required to shift from part-load to full-load capacity. It also minimizes the expansion volume created by the bypass ports which ultimately improves full-load performance by 1.5-5.5 percent. As a result, the next generation Copeland Scroll UltraTech compressor offers contractors a solution that not only provides better performance, but also provides a more reliable product due to the inherently simpler design.



Key features:

- Enhanced humidity and temperature control for 15 - 18 SEER market, up to 5.5 percent increase in efficiency
- Two steps of capacity modulated by pressure differential that instantly shifts between part-load and full-load capacity
- Leverages 15 design improvements of the fifth generation Copeland Scroll® platform
- Optimized for 15+ SEER tax credits, Energy Star requirements and other incentives
- Significant reduction in VA load



Proven scroll performance

While the Copeland Scroll UltraTech compressor builds on established scroll technology, it is still a scroll at heart – which means that it operates with fewer moving parts and no volumetric efficiency drop-off or compression leakage, delivering the reliability you've come to expect from a Copeland Scroll compressor.



Many models now available, remaining models launching in 2011

Copeland Scroll UltraTech compressor specification chart

Model	Part-Load Capacity at 50/100	Full-Load Capacity at 50/115	Diameter Inches (A)	Suction Height Inches (B)	Discharge Height Inches (C)	Height Inches (D)	Weight lbs.	Suction Diameter Inches
ZPS20K5E-PFV	20,000	25,100	5.5	10.4	14.3	15.3	47	3/4
ZPS20K5E-PFJ	20,000	25,100	5.5	10.4	14.3	15.3	47	3/4
ZPS20K5E-TF5/D	20,000	25,100	5.5	10.4	14.3	15.3	47	3/4
ZPS26K5E-PFV	25,000	32,800	5.5	10.4	14.3	15.3	47	3/4
ZPS26K5E-PFJ	25,000	32,800	5.5	10.4	14.3	15.3	47	3/4
ZPS26K5E-TF5/D/E	25,000	32,800	5.5	10.4	14.3	15.3	47	3/4
ZPS30K5E-PFV	28,100	38,000	5.5	10.4	14.3	15.3	47	3/4
ZPS30K5E-PFJ	28,100	38,000	5.5	10.4	14.3	15.3	47	3/4
ZPS30K5E-TF5/D/E	28,100	38,000	6.5	10.4	14.3	15.3	47	3/4
ZPS35K5E-PFV	33,500	45,300	6.5	11.6	15.4	16.5	73	7/8
ZPS35K5E-TF5/D	33,500	45,300	6.5	11.6	15.4	16.5	73	7/8
ZPS40K5E-PFV	38,400	51,000	6.5	11.6	15.4	16.5	73	7/8
ZPS40K5E-PFJ	38,400	51,000	6.5	11.6	15.4	16.5	73	7/8
ZPS40K5E-TF5/D/E	38,400	51,000	6.5	11.6	15.4	16.5	73	7/8
ZPS49K5E-PFV	45,400	60,500	6.5	11.6	15.4	16.5	73	7/8
ZPS49K5E-TF5/D/E	45,400	60,500	6.5	11.6	15.4	16.5	73	7/8
ZPS51K5E-PFV	48,100	64,100	6.5	11.6	15.4	16.5	73	7/8
ZPS51K5E-PFJ	48,100	64,100	6.5	11.6	15.4	16.5	73	7/8
ZPS51K5E-TF5/D/E	48,100	64,100	6.5	11.6	15.4	16.5	73	7/8
ZPS60K5E-PFV	57,300	73,300	6.5	11.6	15.4	16.5	73	7/8
ZPS60K5E-TF5/D/E	57,300	73,300	6.5	11.6	15.4	16.5	73	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 UltraTech compressor nomenclature

Z	P	S	3	0	K	5	E	-	P	F	V	-	1	3	0
Z scroll family series	AC, R-410A/B	UltraTech®	Nominal Capacity at Rating Condition	Capacity Multiplier K - 1,000	Model Variation 4, 5	Oil type E - POE Oil - AK/DA or 3MA	P = Single Phase Motor T = Three Phase Motor B = BPM 50/50 F = 3PWS K = Three Phase Motor Encapsulated Stator	Internal Inherent Protection	Code	60 Hz.	50 Hz.		Bill of Material Product Variation		
									D	460-3	380-420-3				
									E	575-3	—				
									J	265-1	220-240-1				
									M	380-420-3	—				
									V	208-230-1	200-1*				
									5	200-230-3	200-220-3				
										*only on some A/C scroll models					

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