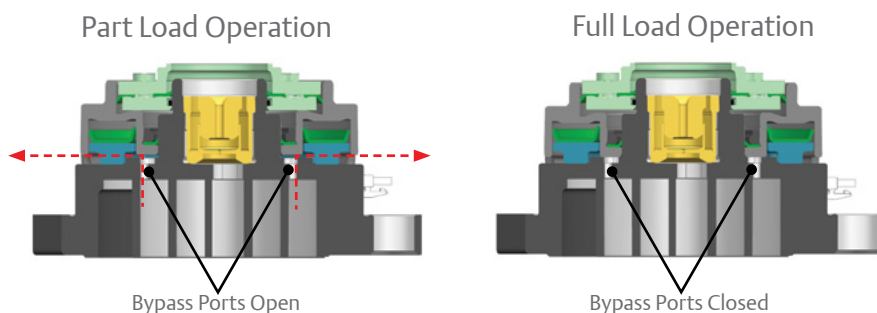


Copeland™ two-stage scroll compressors for residential applications



How it works

Two internal bypass ports enable the compressor to run at ~65% part-load capacity during times when only part-load heating or cooling is needed. When demand increases, the modulation ring is activated, sealing the bypass ports and instantly shifting capacity to 100%.



Features

- 1.5 – 6 ton application
- Excellent comfort and humidity control
- Designed to meet 2023 Department of Energy regulations
- Improved second stage capacity
- Enhanced modulation design
- Optimized for mid-tier comfort at an affordable cost; energy efficiency rebates

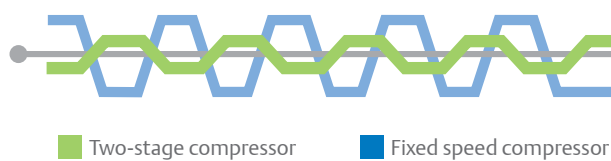
Benefits of modulation

- Precise temperature control
- Humidity control improved by 53%

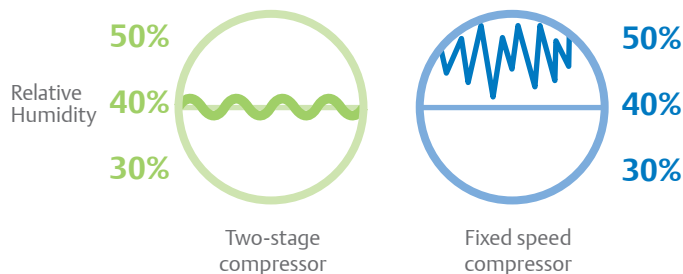
R-410A platform

- ZPSK5, ZPSK6, ZPSK7
- Single and three phase models available

Temperature Control



Humidity Control



Copeland™ two-stage scroll compressors for commercial applications



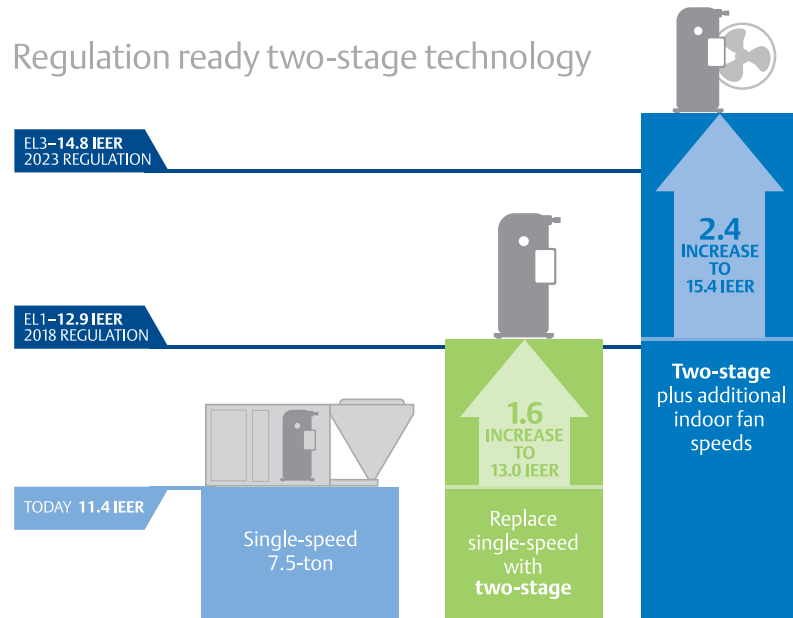
Features and benefits

- 6-15 ton application
- Energy efficiency, +12-15% IEER
- Comfort
- Low complexity modulation
- Proven performance and reliability of Copeland two-stage scroll compressors
- Able to be applied in tandem design for even greater efficiency gains, staging, and turndown
- Easy transition to 2023 regulations

Regulations

IEER Efficiency Standard	System Tonnage		
	6-10 Ton	11-20 Ton	21-63 Ton
Pre-2018 Levels	11.4	11.2	10.1
EL1 - 2018 levels	12.9	12.4	11.6
EL3 - 2023 Levels	14.8	14.2	13.2

6-10 ton two-stage is an attractive technology to achieve 2018 regulatory compliance in light commercial rooftop equipment. A choice to adopt a 6-10 ton two-stage design facilitates a smooth regulatory transition without compromising ease of system installation and servicing.



For more information

Online Product Information: [Emerson.com/CopelandOPI](https://emerson.com/CopelandOPI)

Residential applications: [Emerson.com/Copeland-ResidentialTwoStage](https://emerson.com/Copeland-ResidentialTwoStage)

Commercial applications: [Emerson.com/Copeland-CommercialTwoStage](https://emerson.com/Copeland-CommercialTwoStage)

Video: [Emerson.com/HowCopelandTwoStageWorks](https://emerson.com/HowCopelandTwoStageWorks)