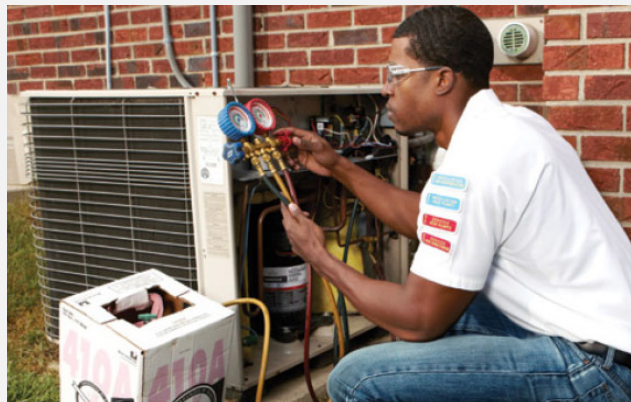


Copeland two-stage scroll compressors for residential applications

How it works

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



Features

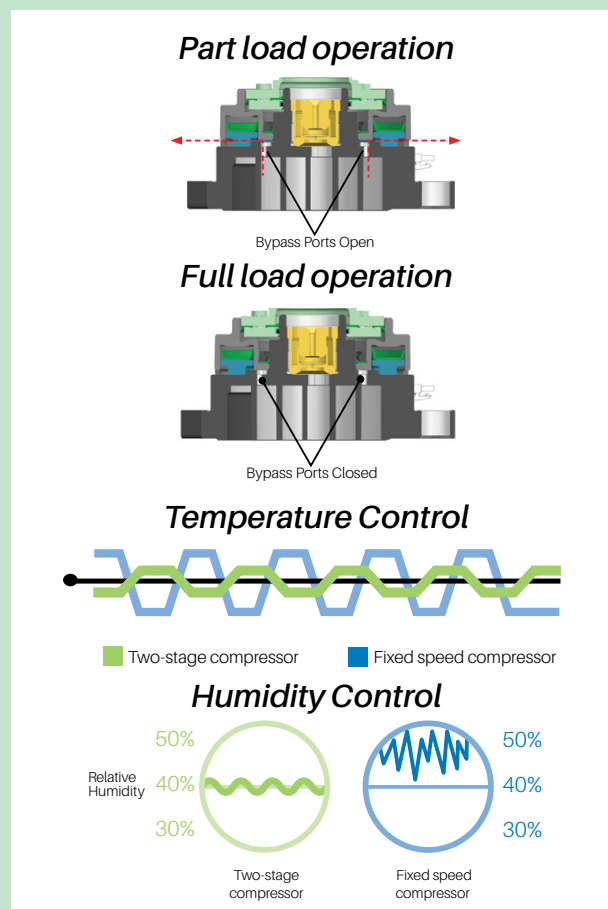
- 1.5 – 6 ton application
- Excellent comfort and humidity control
- Designed to meet 2023 Department of Energy regulations
- Improved second stage capacity
- Enhanced modulation design
- Optimized for mid-tier comfort at an affordable cost; energy efficiency rebates

Benefits of modulation

- Precise temperature control
- Humidity control improved by 53%

R-410A platform

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



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

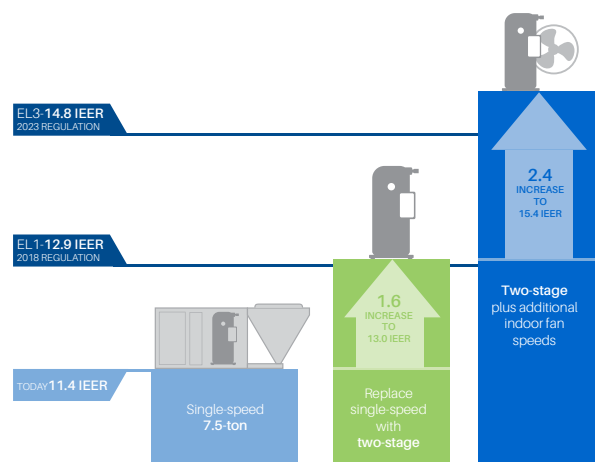
| IEER Efficiency Standard | System Tonnage | | |
|--------------------------|----------------|-----------|-----------|
| | 6-10 Ton | 11-20 Ton | 21-63 Ton |
| Pre-2018 Levels | 11.4 | 11.2 | 10.1 |
| EL1 - 2018 levels | 12.9 | 12.4 | 11.6 |
| EL3 - 2023 Levels | 14.8 | 14.2 | 13.2 |

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: Copeland.com/CopelandOPI
 Residential applications: Copeland.com/Copeland-ResidentialTwoStage
 Commercial applications: Copeland.com/Copeland-CommercialTwoStage
 Video: Copeland.com/HowCopelandTwoStageWorks

Regulation ready two-stage technology



To learn more, visit Copeland.com

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