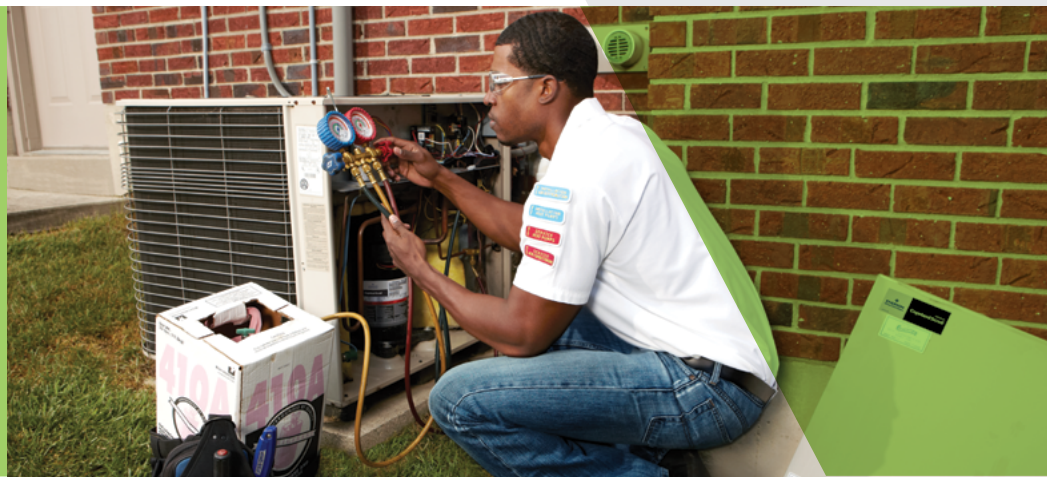
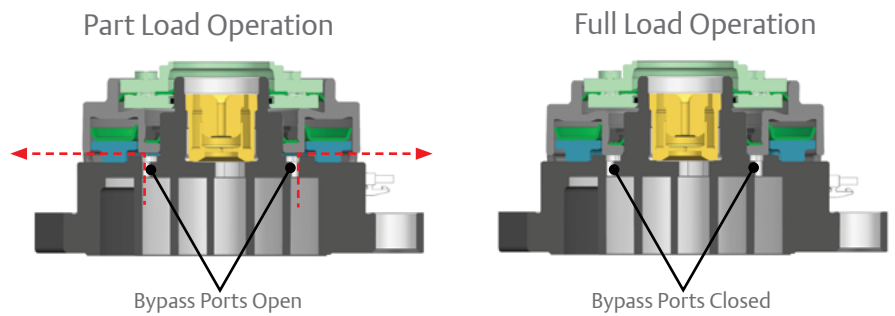


# Copeland Scroll™ Two-stage compressors for residential applications



## 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%.



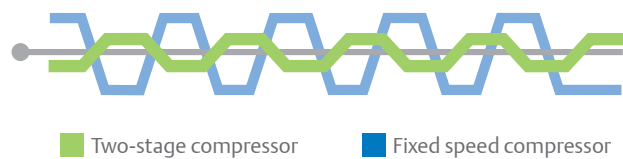
## Features

- 1.5 – 6 HP application
- Excellent comfort and humidity control
- Up to 5% full load and part load efficiency improvement over ZPSK5
- Improved second stage capacity
- Enhanced modulation design
- Optimized for mid-tier comfort at an affordable cost; energy efficiency rebates

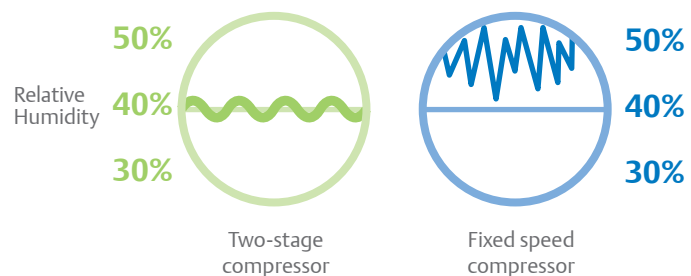
## Benefits of modulation

- Precise temperature control
- Humidity control improved by 53%

### Temperature Control



### Humidity Control



# Copeland Scroll™ Two-stage compressors for commercial applications



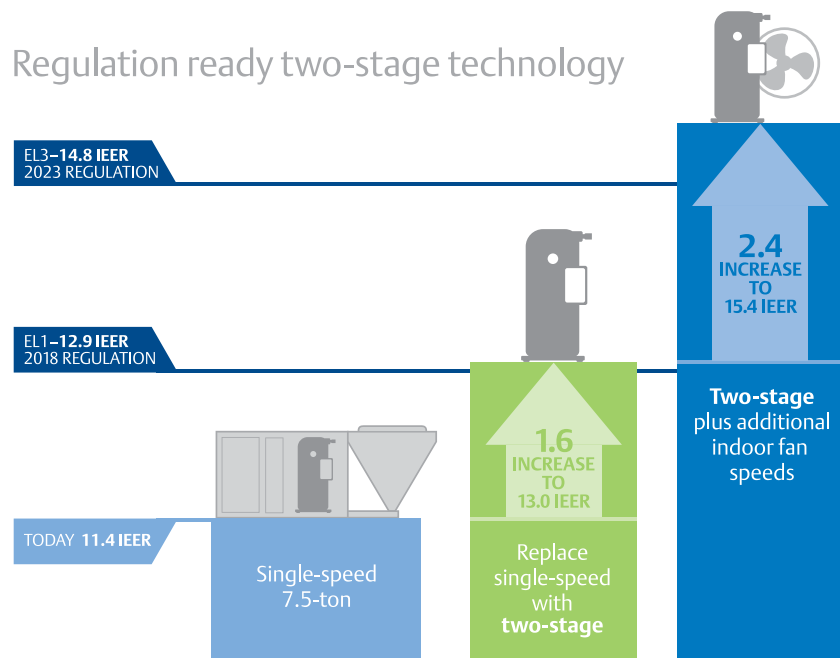
## Features and benefits

- 6-10 HP application
- Energy efficiency, +12-15% IEER
- Comfort
- Low complexity modulation
- Proven performance and reliability of Copeland Scroll two-stage compressors
- Easy transition to 2018, 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 HP two-stage is an attractive technology to achieve 2018 regulatory compliance in light commercial rooftop equipment. A choice to adopt a 6-10 HP two-stage design facilitates a smooth regulatory transition without compromising ease of system installation and servicing.



## For more information

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

Residential applications: [Emerson.com/ResidentialScrollCompressors](https://emerson.com/ResidentialScrollCompressors)

Commercial applications: [Emerson.com/CommercialScrollCompressors](https://emerson.com/CommercialScrollCompressors)

YouTube video: [youtube.com/watch?v=uPhthHuZsQk](https://youtube.com/watch?v=uPhthHuZsQk)