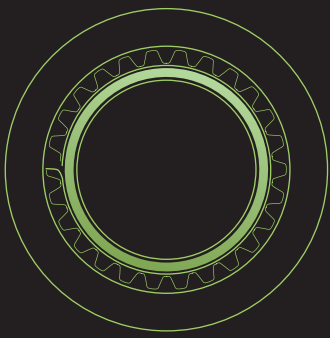


# COPELAND™ OIL-FREE CENTRIFUGAL COMPRESSOR

## A SIMPLIFIED DESIGN

Featuring Aero-lift™ bearing technology for an easy-to-apply, lower-GWP compatible oil-free solution that delivers increased efficiency levels in chiller applications.

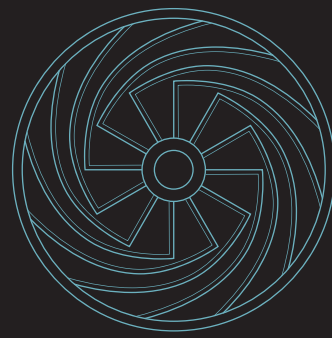


### Aero-lift bearing

Self-lifting fluid film provides frictionless performance

Stands up to intense conditions such as sudden power interruptions

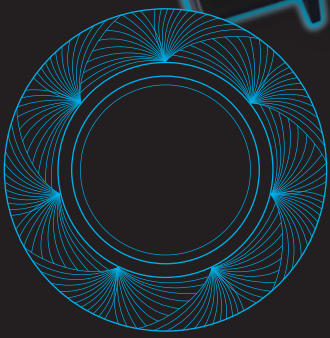
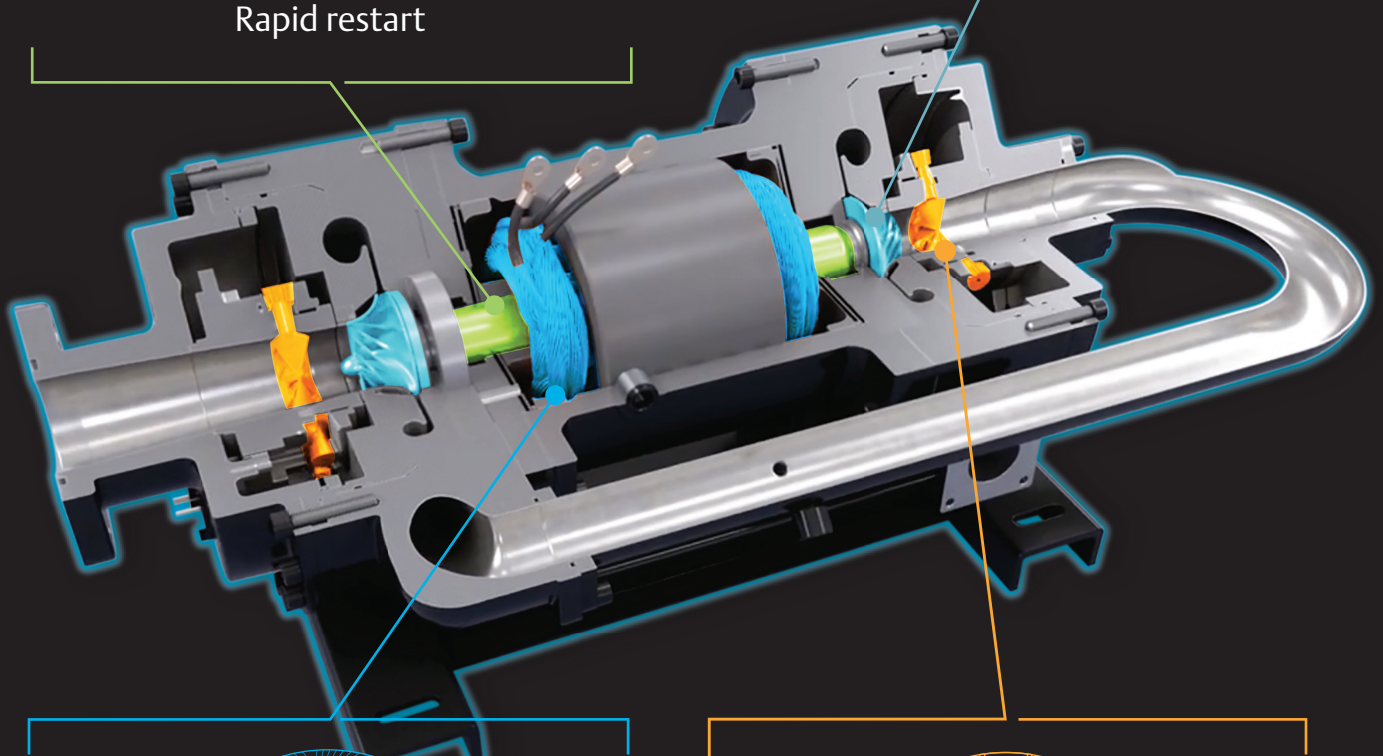
Rapid restart



### Two-stage impellers

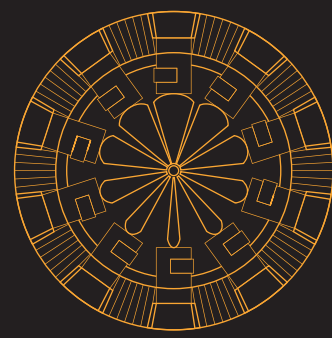
Handle higher lift and lower lift broader operating range

Increased turndown



### Brushless permanent magnet motor

High-efficiency motor for high-speed applications



### Variable inlet guide vane

Helps guide refrigerant flow to maximize compressor range in surge and choke conditions

After more than 7,000 hours tested, it is proven to achieve:

Up to **10%** increase in full-load efficiency

Up to **40%** increase in IPLV above ASHRAE 90.1 2019 minimums

Optimized system start and stop cycles through **intelligent control** algorithms

### Compatibility

with refrigerants R-513A, R-515B, R-1234ze

Unlike any other compressor on the market



Lower lifecycle costs.



High part load efficiency.



Reliability only found in Copeland compressors.



Reduced carbon footprint.