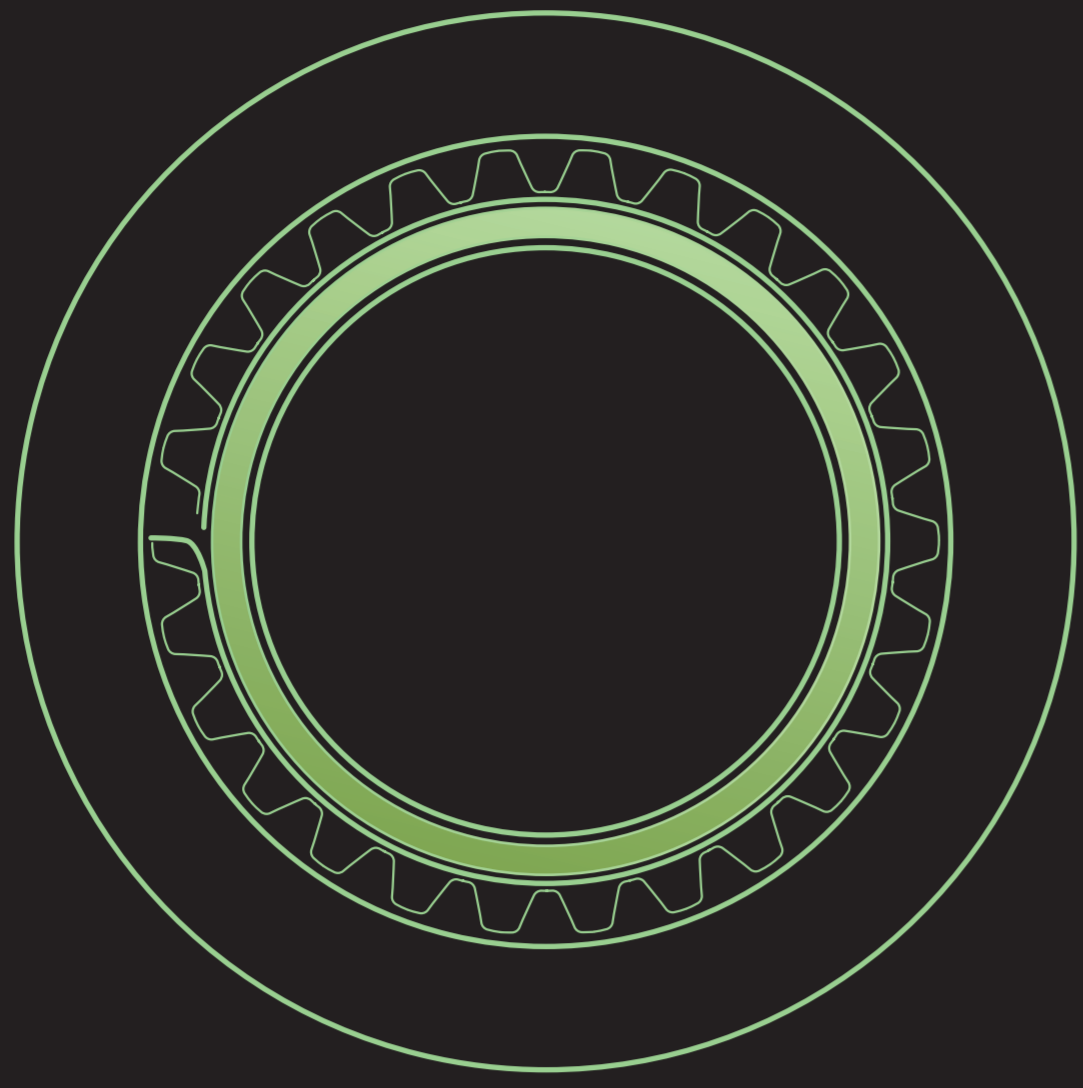


# COPELAND OIL-FREE CENTRIFUGAL COMPRESSOR

## A SIMPLIFIED DESIGN

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

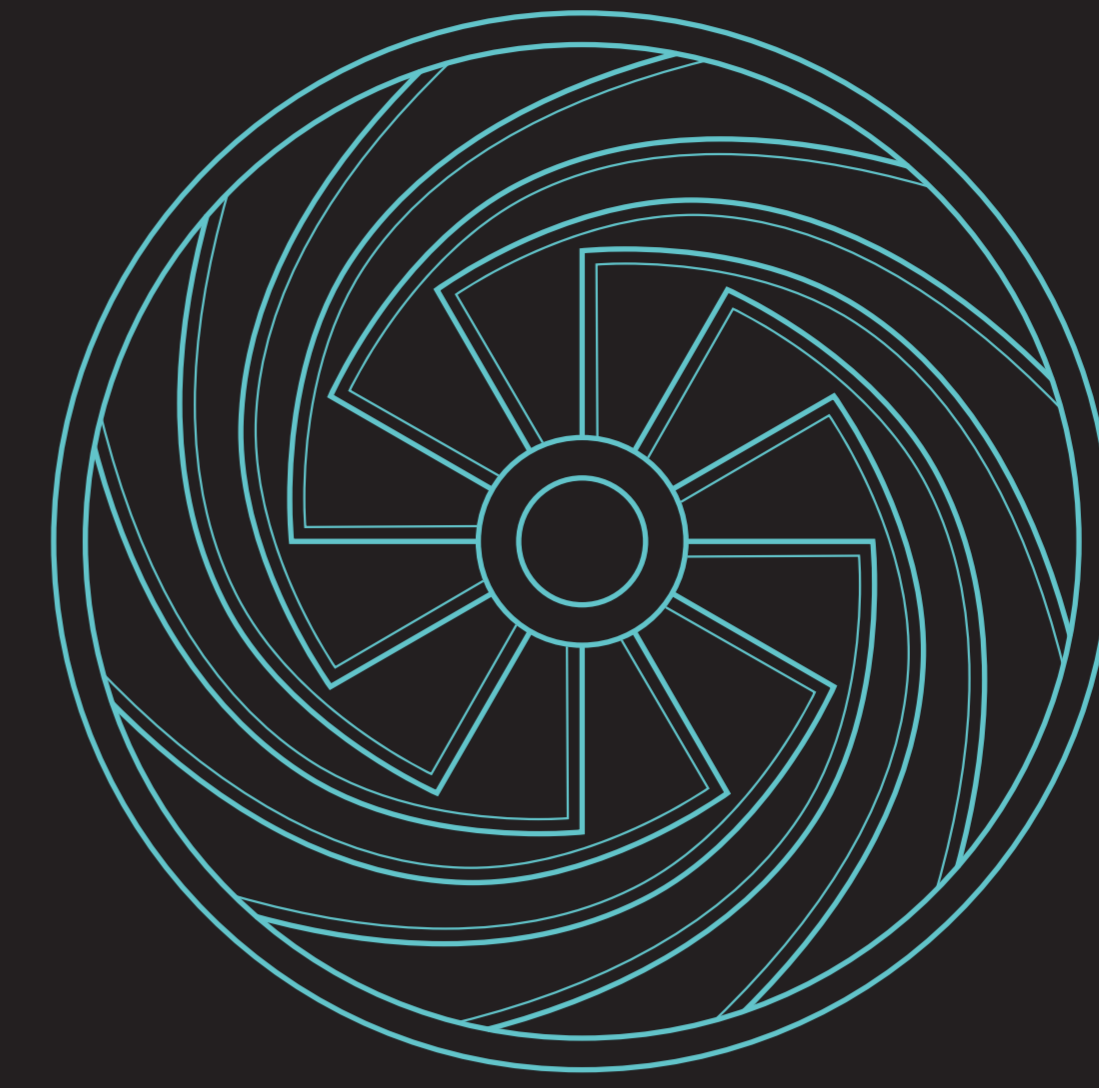


### Aero-lift bearing

Self-lifting fluid film provides frictionless performance

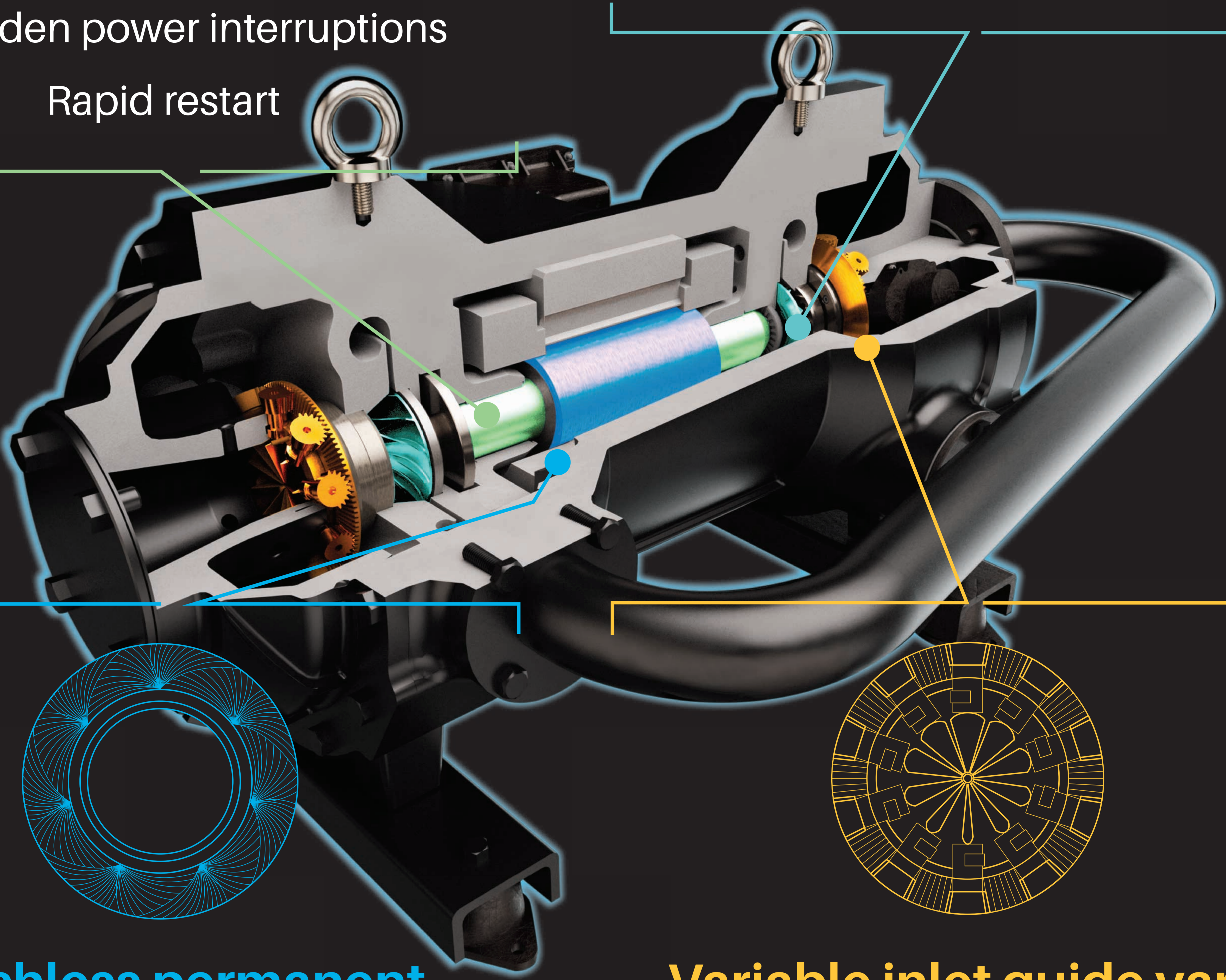
Stands up to intense conditions such as sudden power interruptions

Rapid restart



### Two-stage impellers

Handle higher lift and low lift for broader operating range and 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 thousands of hours and years of field operation and testing, it has proven to achieve:

Up to **10%** increase in full-load efficiency versus other compression technologies in air-cooled applications

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

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

**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.

# COPELAND