

Copeland scroll compressors for residential and light commercial air conditioning applications

Next generation efficiency for A2L applications

The next generation of Copeland fixed speed compressors are optimized for low global warming potential refrigerants and are designed with the highest efficiencies that enables OEMs to meet and exceed the new system-level energy efficiency standards. The Copeland fixed speed compressor line up allows OEM's and contractors to meet and exceed energy and refrigerant regulation shifts and provide their customers affordable and reliable comfort.

The Copeland YAK1 and YPK1 scroll compressors are the most efficient fixed speed compressors ever produced in the 100-year history of the Copeland brand. These Copeland A2L-approved scroll compressors offer improved efficiency, reduced variability, and deliver cooling and heating to meet unprecedented efficiency requirements in 2025 and beyond. These scroll compressors are built to give you the performance you need today while preparing your business for the changes of tomorrow.

The Copeland YA (R-454B) and YP (R-32) scroll compressors are ideally suited for industry professionals to apply across a wide array of residential and light commercial HVAC applications including heat pumps, split air conditioning, packaged systems, rooftops and geothermal systems.



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Copeland YA/YP fixed speed scroll compressor

The Copeland scroll compressor product line provides a full lineup of 1.5-5-ton fixed speed scroll compressors that provide enhanced performance at the SEER2 B rating point condition and at key HSPF2 rating point operating conditions. These large efficiency gains are paired with new, innovative compression technology and manufacturing processes that result in reduced compressor to compressor performance variability over the prior generation product.

With over 200 million scroll compressor installations since 1986, our proven reliability, deep technical expertise, and our extensive research with refrigerants makes us a trusted partner in meeting energy efficiency standards with low-GWP A2L refrigerants.

For complete product details and additional information, visit copeland.com/OPI.

Delivers regulation-ready efficiency to meet energy efficiency regulations

- Full lineup includes 1.5- to 5-ton fixed speed scroll compressors
- Suitable for commercial and residential applications
- Enhanced efficiency at SEER2 and HSPF2 operating conditions
- Optimized for use with A2L refrigerants R-454B (YA) or R-32 (YP)
- Regulation ready efficiency to meet DOE standards

Optimized Design For R-454B & R-32

- YAK1 (R-454B) utilizes improved oldham for R-454B, sleeved lower bearing for improved reliability
- YPK1 (R-32) utilizes oil injection, new higher viscosity poe oil for improved reliability
- 19 YAK1 displacements from 1.5 to 5 tons
- 18 YPK1 displacements from 1.5 to 5 tons
- Single and three-phase voltages available