Certified Copeland compressors

Your customers deserve a better compressor.
Your reputation demands it.

COPELAND
Engineered for Sustainability

Certification makes the difference

Copeland technology makes our compressors better.

What improvements do we make to every Certified Copeland compressor?

- Higher oil standards
- Piston and rod material enhancement
- Molybdenum rings
- Motor protectors
- Sensor updates
- New-style heads
- New-design valves
- Asbestos-free gaskets

What does Certified Copeland mean to you?

It means your peace of mind.

With Copeland's unparalleled expertise and testing, you'll get peace of mind knowing every Certified Copeland compressor meets updated factory specifications for optimum reliability and performance – giving you everything you need to make your compressor installation a snap and your customer's system operation flawless.

It means your reputation.

Don't be fooled by ordinary rebuilt compressors. Whether it's a small mechanic shop or a bigger rebuilder business, if it's not a Certified Copeland compressor, you never know what you'll get or how long it will work.

Every Certified Copeland compressor operates as good as new. And we test and retest them to make sure this holds true. So you don't ever have to worry about a compressor causing a system failure, costly customer callbacks, installation hassles, safety issues or anything else. You can protect your reputation as you build your business with the certified power of Certified Copeland compressors.

To attain the Certified Copeland compressor status, over 500 parts are either replaced or recalibrated to Copeland's latest engineering standards.

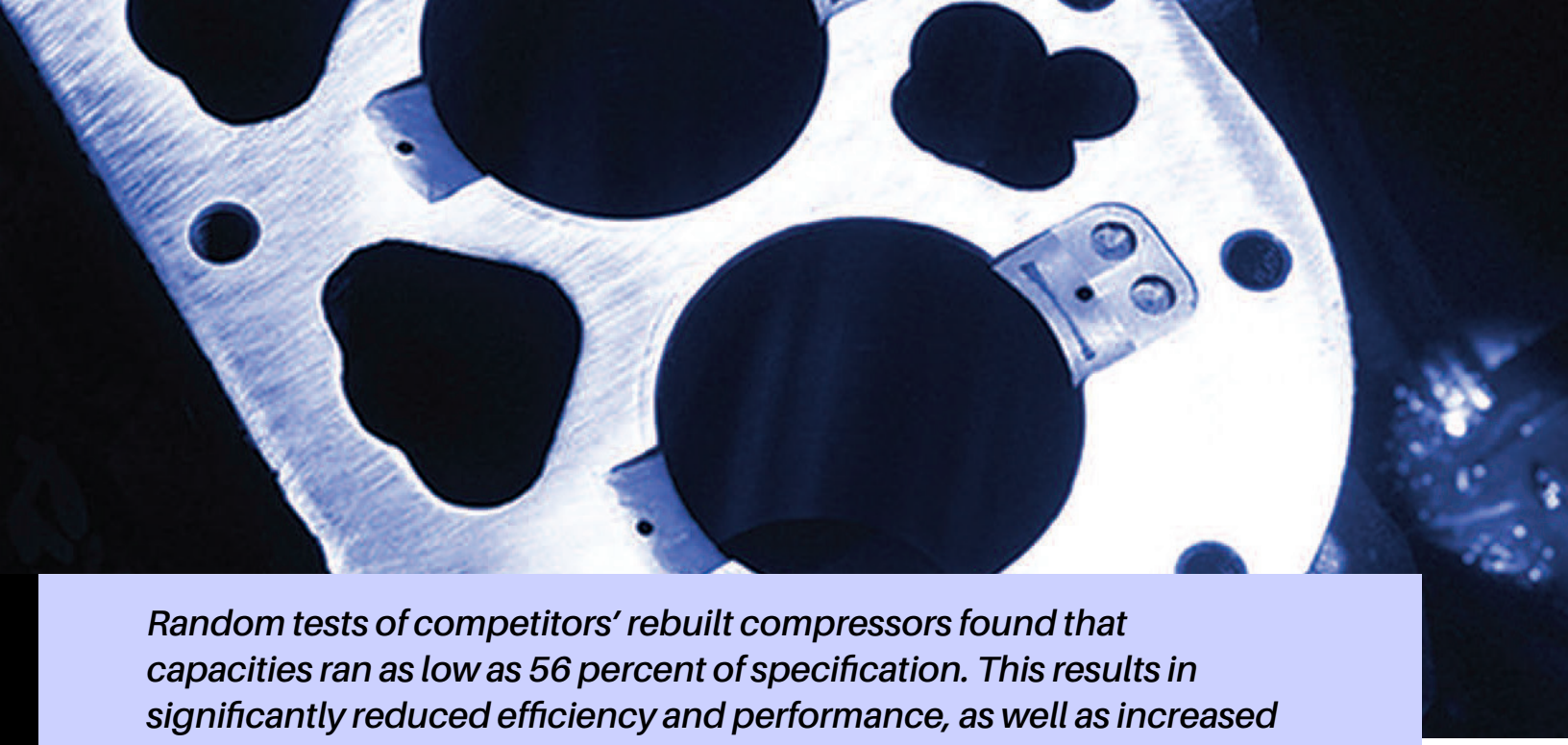
Copeland compressors undergo numerous improvements every year. So only Certified Copeland compressors can deliver the most energy-efficient, reliable operation, every time.

A process of reliability

When you need a replacement compressor, do you know exactly what you're getting? With Certified Copeland compressors, you know every time: the certified reliability you need to keep your business profitable.

To achieve the Certified Copeland compressor status, every compressor is put through a rigid process in which it is completely disassembled to the bare core, to ensure that you get a compressor remanufactured from the ground up. We test every essential component for operational integrity and replace all outdated and discontinued parts to meet Copeland's latest engineering and manufacturing guidelines. All in all, over 500 parts are either replaced or upgraded.

The end result is the most reliable remanufactured compressors in the world, from the most reliable remanufacturing process on the planet. And it's only from Copeland.



Random tests of competitors' rebuilt compressors found that capacities ran as low as 56 percent of specification. This results in significantly reduced efficiency and performance, as well as increased costs to your customers. With Certified Copeland compressors, you get 100 percent optimal capacity performance – guaranteed.

What parts do we upgrade and replace? Here are just a few:

- Demand Cooling
- Sentronic-compatible oil pump
- Oil-suction screens
- Connecting rods
- Wrist pins
- Crankcase vent and oil-change valve parts
- Valves
- Bearings
- Gaskets
- Electrical terminals
- Insulators
- Any Loctite bolt
- Every other part that doesn't meet our current engineering and production standards

A process of reliability

When we say Certified Copeland compressors perform as good as new, it's not just a claim. **It's a fact.**

By completely disassembling and meticulously testing every part of every remanufactured compressor, we know exactly how it will perform once it is back online. That's why we are so picky with every compressor that comes into our facility. And why we are so confident with every compressor that is produced.

We know exactly what to look for, how to change it and when to change it–because there are numerous improvements made every year, from updated specifications to enhanced parts.

For example, every Certified Copeland compressor is now configured to handle the refrigerants of tomorrow, as well as the current refrigerants of today. Which means you will get a level of compressor performance and energy efficiency that is more than just good. It is as good as new.

All Certified Copeland compressors are UL recognized – a third-party guarantee that ensures every one of our compressors has been put through a rigid set of international testing standards that have been found to reduce any fire or electrical safety hazards.

From K compressors to 6R models, only Certified Copeland compressors can meet all your unique application needs.

Certified safety, certified protection

From installation to operation, the safety of your technicians and your customers is paramount – which is why all Certified Copeland compressors are UL recognized. UL recognition means our remanufactured compressors have been tested by an unbiased third party to a rigid set of inter-national standards. Standards that reduce any foreseeable risk of fire, electrical shock or other possible safety hazards, keeping your customers protected from potential mishaps and protecting your reputation from potential catastrophes.

In addition, Copeland guarantees that the compressors you deliver to your customers will deliver the capacities they expect. And with the ability to handle the demanding systems of tomorrow, you'll have the time-tested power of Certified Copeland compressors working hard to keep their systems safe and efficient, today.

Once you compare, you'll see there's no comparison.

Procedure	Certified Copeland compressors	Independent rebuilders' compressors
Ongoing design improvements	Yes 1. Super K/Discus compressors get new suction- reed valving, stainless steel reeds and positive-displacement oil pumps 2. Certain Discus models receive Delta Reed modifications to ensure extended life for demanding applications	No
Disassembly	100% disassembly, with the complete removal of all main bearings and internal valving	Partial disassembly, sometimes up to 100%, but normally only as needed to make visible repairs
Crankcase	All cylinder walls are air gauged to match Copeland specifications, and the crankcase is upgraded to current Copeland standards	Limited air gauging results in cylinder walls and crankcase being reworked to varying non-Copeland standards
Valve plates	Cleaned and/or reground to perfectly match Copeland specifications	Reused as received, with limited regrinding capabilities
Pistons	New aluminum pistons and rods	Salvaged discontinued cast-iron pistons with limited air gauging
Crankshaft	Completely cleaned, gauged, upgraded and polished to current Copeland specifications	Limited power-flushing and polishing equipment availability, with no upgrade to current Copeland specifications
Oil pump	Oil pumps are 100% disassembled, cleaned, gauged and retested to Copeland specifications; otherwise, they are replaced	Salvaged discontinued low-volume oil pumps with limited gauging and testing to ensure proper operation and efficiency
Stator and rotor	Stators are requalified to meet Copeland specifications	Stators are rewound to varying specs; reused stators may be discontinued models that have not been properly tested
Sourced components	All parts meet Copeland's latest engineering standards	None of the replacement parts are from Copeland; all are from independent dealers
Randomly conducted audit program	Yes – ensures compressor performance and reliability	No
Paint	Enhanced paint system conforms to all EPA guidelines	Various types of black enamel applied through a pot-type spray gun
Oil	Always charged through a metered system to meet Copeland specifications	Most often charged by sight
Electrical	Solid-state module is retested to Copeland specifications; the terminal box, wiring harness and terminal connectors are included	Limited retesting equipment availability with varying types of electrical parts, depending on the rebuilder
Final processing	Complete dehydration and final torquing of all external bolts; helium leak tested and performance tested to assure published performance	Variable dehydration tests and selective retorquing of bolts; limited performance testing to varying standards
Packaging	Wiring diagram, warning labels and gaskets are included	Packaged items vary with each rebuilder
UL recognized	Yes – all semi-hermetic models	No

A legacy of solutions—only from Copeland

The most advanced compressors need the most advanced training. Which is why Copeland offers contractors the best training in the industry. Courses include Compressor Operation and Service Seminars (COSS), supermarket seminars and much more. We also provide extensive computer education programs to help you stay up to date with emerging technologies.

For over 80 years, Copeland has been pioneering more effective, energy-efficient refrigeration solutions.

And with Certified Copeland compressors, we deliver a higher caliber of quality – from rock-solid reliability and unrivaled performance to superior safety – that is simply the best...and as good as new.

To get your hands on the best refrigeration products – the products you trust and that your reputation deserves – call your Copeland Authorized Full-Line Wholesaler. There you'll find Certified Copeland compressors, along with all the training and support you need to grow your business. To locate the Copeland Authorized Full-Line Wholesaler closest to you, visit copeland.com.

About Copeland

Copeland, a global provider of sustainable climate solutions, combines category-leading brands in compression, controls, software and monitoring for heating, cooling and refrigeration. With best-in-class engineering and design and the broadest portfolio of modulated solutions, we're not just setting the standard for compressor leadership; we're pioneering its evolution. Combining our technology with our smart energy management solutions, we can regulate, track and optimize conditions to help protect temperature-sensitive goods over land and sea, while delivering comfort in any space. Through energy-efficient products, regulation-ready solutions and expertise, we're revolutionizing the next generation of climate technology for the better.

To learn more, visit **copeland.com**

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