

BUILD YOUR REPUTATION ON OUR RELIABILITY.™



 **Genuine™
Carlyle**
Remanufactured Compressors

THERE'S ONLY ONE NAME YOU SHOULD BUILD YOUR REPUTATION ON. CARLYLE.

Performance and reliability are assured only in
a *genuine* Carlyle remanufactured compressor.

A remanufactured compressor by any other name is just that: a remanufactured compressor. If you're not using a Genuine Carlyle Remanufactured Compressor, you're taking a risk with both reliability *and* performance.

Carlyle uses sophisticated technology, experience and rigid testing standards to give you remanufactured compressors that meet current engineering specifications for optimum reliability and performance. The result is every genuine Carlyle remanufactured compressor operates good as new so you don't have to worry about failures or costly customer callbacks.

If you want a remanufactured compressor that reflects well on you — one that your customers will appreciate for its reliability and performance — select Carlyle. It's the *genuine* remanufactured compressor.

Giving new life to the world's most
reliable compressors.

Carlyle's state-of-the-art Stone Mountain facility, 16 miles east of Atlanta, GA, sets a standard of compressor remanufacturing few can match. Here, over 300 skilled men and women use sophisticated technology, experience and rigid testing standards to transform returned Carlyle compressors back into good-as-new performance and reliability.



IF IT DOESN'T SAY *GENUINE* *CARLYLE REMANUFACTURED* *COMPRESSORS* — IT'S NOT.



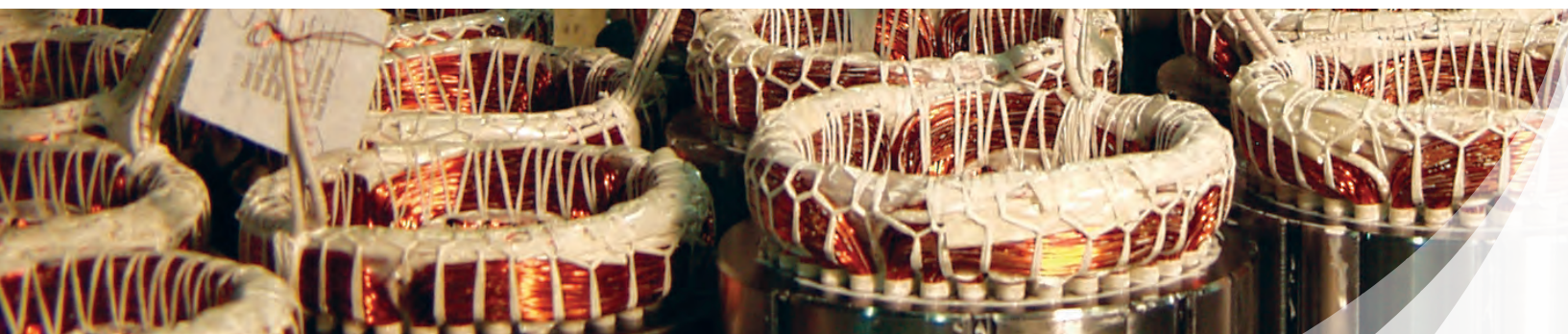
Only our seal of approval
ensures good-as-new quality
and performance.

Carlyle remanufactured compressors are remanufactured — not rebuilt or repaired and repainted like most others.

Those others won't be built to Carlyle's quality standards. Because before a remanufactured compressor can even bear our seal of approval, we tear it down to its smallest component parts and compare them to strict engineering standards and the latest technical advances at our state-of-the-art Stone Mountain facility.

Even if it's not broken, we fix it. In fact, we throw out millions of parts that others might consider *useable*. Why? Because we are committed to remanufacturing compressors that go beyond their original specifications to meet current engineering standards that ensure their reliability and performance.

To ensure you're getting good as new quality and performance, look for the *Genuine Carlyle Remanufactured Compressors* seal of approval.



CARLYLE'S SOPHISTICATED REMANUFACTURING PROCESS.

Disassembly/Warranty Inspection

At disassembly, all critical wearing parts are discarded as scrap. All gaskets fall into this category, as well as bearings, piston rings, suction and discharge valves, wrist pin snap rings and the nameplate.

Cleaning

The crankcase and all parts are put through environmentally safe multistage cleaning processes to remove dirt, foreign material and passageway obstructions, and then are inspected for cleanliness.

Crankcase Inspection

Crankcases are visually inspected for integrity of gasket surfaces and threaded holes. All cylinder bores are dimensionally inspected to stringent Carlyle specifications using precision air gauging with an accuracy of .00005 inch.

Crankcase Upgrade

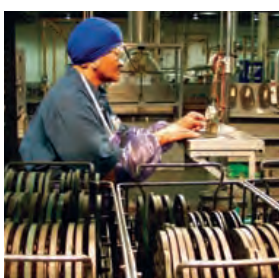
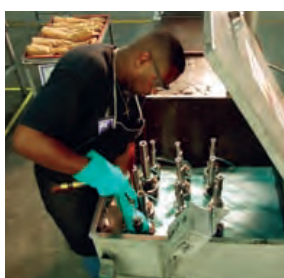
Cylinder walls that do not meet Carlyle's rigorous specifications are marked for remachining. The crankcase is then rechecked to verify that it is compliant.

Crankshaft Upgrade

Crankshaft rod journals and bearing surfaces are polished using fine grit emery belts and then gauged to ensure compliance with Carlyle dimensional specifications. Oil passages are brushed and cleaned in a power flush system. In the final step, crankshafts are blown clean using dry compressed air and wrapped in moistureproof paper.

Valve Plate Upgrade

All valve plates are reground and measured to make sure they meet Carlyle specifications.



Rod and Piston Upgrade

Rods and pistons are visually inspected for physical damage and processed to remove minor burrs. Wrist pin holes and crankshaft bores are checked using precision air gauging to ensure proper sizing and compliance with Carlyle dimensional specifications.

Oil Pump Upgrade

Oil pump rotor, bearing and vane diameters are dimensionally inspected using precision air gauging. Then the pumps are reassembled and functionally tested to ensure compliance with Carlyle specifications for flow, oil pressure and watts.

Motor Rewind Shop

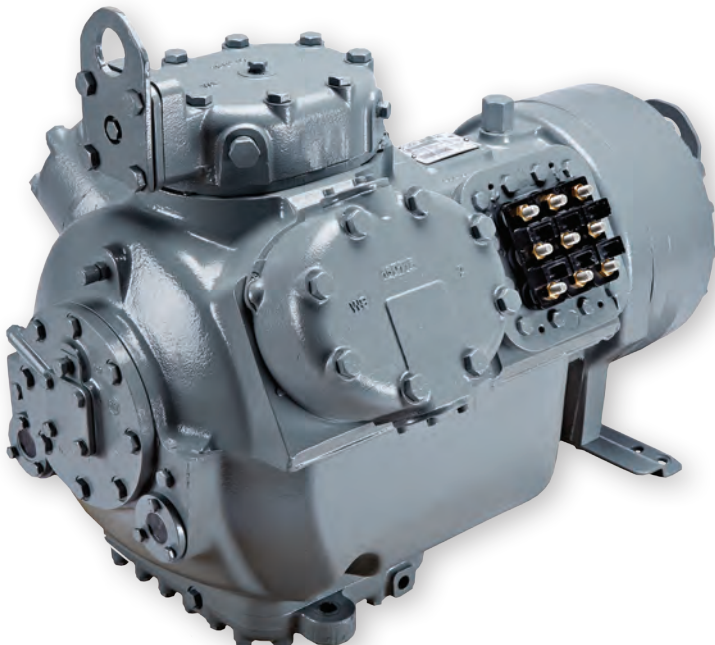
Stators are rewound, varnish dipped and electronically tested to specifications that meet or exceed original UL standards to ensure the highest level of quality, performance and reliability.

Quality Auditor

Each work day, a full-time auditor inspects five randomly selected finished compressors.

Compressor Assembly

In the final operation, the highly experienced technicians carefully assemble the remanufactured compressor. New bearings are installed, rod and pistons are connected to the crankshaft, the stator is inserted in the crankcase and the rotor is precisely aligned into it. Valve plates and cylinder heads are added and wiring is completed.



Compressor Testing

All remanufactured compressors are load tested to criteria that verify performance by measuring flow, loaded amp draw and oil pressure. Each compressor undergoes submerge as well as helium leak tests to verify the integrity of its pressure enclosure.

Painting

Compressors are painted using an electrostatic paint process that ensures even and complete paint coverage, avoiding unsightly irregularities on the finished compressor.



UL RECOGNITION—SAFETY AND PROTECTION FOR YOU.

What does the UL seal of approval found on the side of your Genuine Carlyle Remanufactured Compressor mean for you? It means that every remanufactured compressor has been built to comply with internationally recognized safety standards, minimizing risk of fire, electric shock or other hazards.

UL recognition is only granted following the most thorough investigation and testing.

- Calibration dates are verified for all electrical and pressure test equipment.
- Annual hydrostatic pressure testing of crankcases and cylinder heads – 5 times the normal factory test specification - is conducted to protect against bursting under the most strenuous operating conditions.
- Wiring diagram and electrical installation instructions are verified.
- UL verifies that the electrical enclosures are protected against corrosion.
- Motors are thoroughly inspected to make sure winding insulation is acceptable for the application voltages, temperatures encountered and oil and refrigerant compatibility.
- Field-wiring connections provided on the compressor for power supply, control wiring or equipment grounding are proven to meet the appropriate electrical codes.

UL also conducts ongoing, unannounced audits at our Stone Mountain, GA, facility four times a year. This ensures that each and every Genuine Carlyle Remanufactured Compressor meets everyone's standard of quality. Theirs. Ours – and most importantly, yours.



Think Safety.

Don't take the risk of using a non-UL recognized compressor. This could result in the violation of local or state electrical codes and invalidate the original UL listing for the entire air conditioning or refrigeration system.

HOW CARLYLE REMANS MATCH UP.

	Carlyle	Others
UL recognized?		?
Completely remanufactured to current OEM specifications?		No
Use of latest design specifications and genuine parts?		No
Replace all critical-wearing components?		?
Cylinder walls rehoned, crankshaft remachined and polished?		No
Cylinder and rod bores measured with highly sensitive air gauge?		No
Product quality audited daily?		No
All compressors are 100% run-tested under load?		?
Backed by Carlyle Compressor service and warranty programs?*		No

*Depending on model and A/C application.
See your Carlyle distributor for complete details.



For more information about genuine Carlyle remanufactured compressors, or to find a distributor in your area, please visit us online at www.carlylecompressor.com.

GENUINE CARLYLE REMANUFACTURED COMPRESSOR MODEL FAMILIES

06D	Semi-hermetic	3 - 15 nominal HP	
		8 - 41 nominal CFM	
06E	Semi-hermetic	15 - 40 nominal HP	
		50 - 99 nominal CFM	
05F	Open-drive	5 - 25 nominal HP	
		20 - 60 nominal CFM	
05H	Open-drive	25 - 150 nominal HP	
		90 - 346 nominal CFM	



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