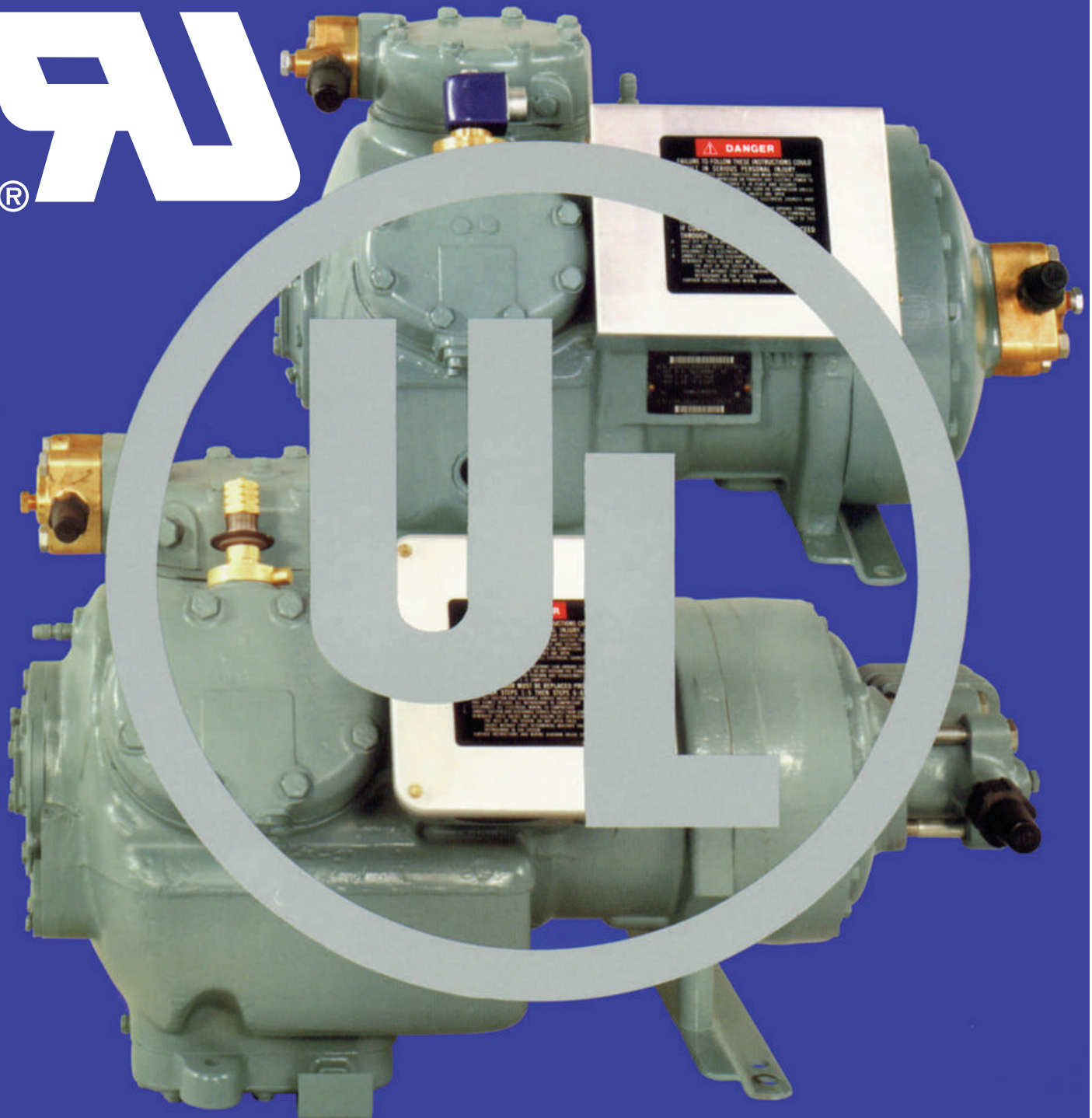




GENUINE CARLYLE SERVICE REPLACEMENT COMPRESSORS

**ONLY GENUINE CARLYLE SERVICE COMPRESSORS HAVE
U.L. RECOGNITION TO GUARD AGAINST FIRE & EXPLOSION.**



REPLACEMENT COMPONENTS DIVISION • CARRIER CORPORATION

CARLYLE... THE RECOGNIZED LEADER IN SERVICE COMPRESSORS

Carlyle Factory Authorized Remanufactured Compressors offer something no rebuilt Carlyle compressor can match: Official UL Recognition. That means every Genuine Carlyle Service Compressor has been built to comply with internationally recognized safety standards, minimizing the risk of fire, electric shock, or other safety hazards. UL also conducts ongoing, unannounced audits at our facility four times a year. This ensures that each and every Genuine Carlyle Service Compressor meets everyone's standard for quality. Theirs. Ours. And yours.



UL ISN'T FOR EVERYONE

UL Recognition is only granted following the most thorough investigation and testing of the compressor's electrical and mechanical components. Genuine Carlyle Service Compressors are measured against UL guidelines which, in turn, are based on criteria established with Carlyle.

For instance, all critical wearing parts are brand new. Electrical components have been upgraded to the latest design standards. Every machined component that is even 5/1000" off spec is scrapped. And virtually every other part is gauged, bored, honed, ground, polished, tested, or replaced as needed. The result is a compressor that runs like new. That's because, for all practical purposes, it is.

UL MEANS YOU'RE PROTECTED

UL Recognition extends to our complete line of service compressors.

That includes:

- 06D and 06E semi-hermetics from 2-40 tons.
- 5F20 thru 5F60 & 5H40 thru 5H60 open drive models.
- Models for air conditioning and low/medium temperature refrigeration applications.

But no matter which Genuine Carlyle Service Compressor you choose, UL recognition insures the safety of the:

Compressor construction - UL conducts hydrostatic pressure testing on the crankcase to insure bursting doesn't occur under normal and abnormal operating conditions. This test is conducted at 5 times the normal factory test specification. In addition compressors with a pressure relief valve have had the device tested to 3 times the design relief pressure to insure operational integrity.

UL also verifies that the crankcase assembly is adequately protected against corrosion, thereby maintaining its original design strength.

Motor construction - The motor is thoroughly inspected to make sure that the motor winding insulation is acceptable for the application voltages, temperatures encountered, and is compatible with refrigerant and oil—including approved HFC refrigerants and Polyol Ester (POE) oils.


The motor is protected against excessive temperatures and currents by the overload protector. Motor winding construction is proven to be securely laced (windings tied together) and bonded with dielectric (non-conducting) varnish dip.

Electrical connections and wiring - UL Recognition means that actual contact with live and uninsulated electrical parts of the compressor assembly is virtually eliminated.

Field wiring connections provided in the compressor for power supply, control wiring, or equipment grounding are proven to meet the appropriate electrical codes. Also, to assist the installer/servicer, a wiring diagram must be supplied with each compressor.

THINK SAFETY

Don't take the risk of using a non-UL recognized service 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.

Remember, if the  symbol doesn't appear on the compressor nameplate you aren't taking advantage of the "peace of mind" that UL Recognition guarantees.

GET THE BEST WORKING FOR YOU

Ask your distributor about the difference between a rebuilt compressor and a Genuine Carlyle Service Compressor. Then ask yourself why you'd settle for anything less than the one that's UL Recognized.





THE TRUE TEST OF RECOGNITION

To earn UL recognition, every Carlyle remanufactured compressor must pass a battery of stringent electrical tests.

Nominal Voltage - Verifies that the compressor will operate at nameplate voltage.

Locked Rotor - The overload device must protect the motor and wiring against damage due to excessive temperatures during an extended locked rotor.

Auto Reset - The overload is allowed to cycle (open and reset) to verify its operational reliability.

Dielectric - The motor and protector combination must withstand the application of 1000 volts plus 2 times the nameplate voltage for one full minute without any insulation breakdown that would allow voltage to leak to ground.

Protective Devices - Compressors using a thermal protective system are tested to determine whether the device allows a maximum continuous motor current that will not harm the motor.

Compatibility - The electrical insulating materials used on the motor and internal motor wiring are checked to insure their compatibility with refrigerant and oil.

Vibration Test - Routing and protection of wiring must pass inspection to be damage-free of abrasion and operate per specific tests.

Limited Short Circuit Test - Motor protective devices in the motor circuit must withstand short circuiting without creating a fire.

