

## **CARLYLE ENDURANCE™ SCREW COMPRESSOR**



### ***SO RELIABLE WE'RE BACKING IT WITH THE ONLY 3-YEAR WARRANTY IN ITS CATEGORY.***

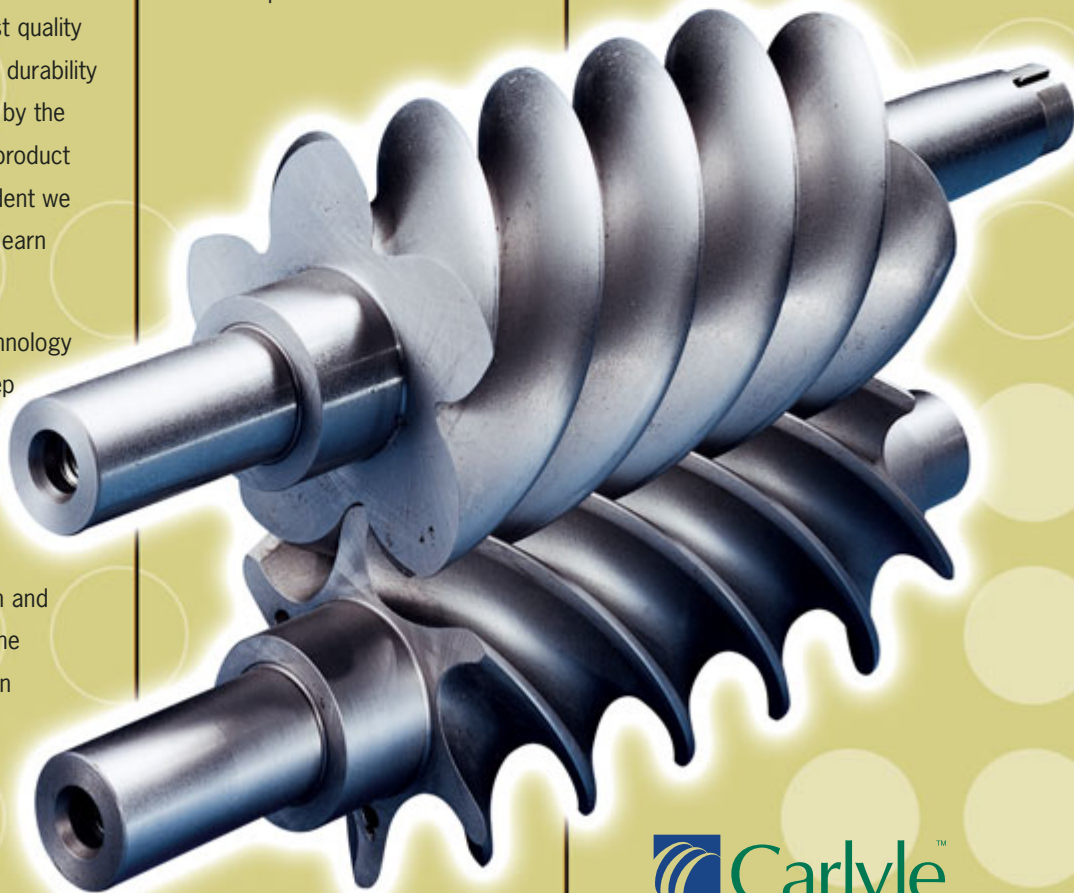
Reliable refrigeration is always a hot issue for the supermarket industry. That's why our engineers have designed a screw compressor that will definitely help you keep your cool. It's the Carlyle Endurance™, precision manufactured to the highest quality specifications for reliability, durability and efficiency, and backed by the only 3-year warranty in its product category. That's how confident we are that the Endurance will earn *your* confidence—

- with state-of-the-art technology that's guaranteed to keep you up and running;
- by being engineered to use less energy for greater efficiency;
- with simplicity of design and operation that saves time and money in installation and maintenance;
- with real-world flexibility that helps you match just the right capacity to your application.

### ***“RELIABLE” MEANS JUST WHAT IT SAYS.***

Our engineers are all too familiar with the kind of stresses the Endurance is likely to, well, endure. That's why they've designed it to last, with relatively few moving parts, minimal vibration, and the ability to withstand liquid refrigerant and oil returning to the compressor.

In short, the Endurance is built for the realities of your business environment, where reliability means profitability. That's why the Endurance gives you the most important statistic of all—a very low 0.4% failure rate. Which means 99.6% of your time is free to work on improving your business, not fixing your compressor.



 **Carlyle™**

[www.carlylecompressor.com](http://www.carlylecompressor.com)

# CARLYLE ENDURANCE™ SCREW COMPRESSOR

## **EFFICIENCY THAT SQUEEZES EVERY DROP OF POWER FROM EVERY KILOWATT OF ENERGY.**

Paying too much for energy is not the way to run a profitable business. You know that. So does the Endurance. That's why it spends your energy doing what a screw compressor is supposed to do—pump refrigerant—rather than pumping excessive amounts of oil. Optimized high-speed rotors are one of the reasons. The bearing system helps out, too, by requiring two-thirds less oil than competing compressors. Less oil, less energy, less cost. It's a nice equation.

## **KEEPING YOUR COOL DOESN'T HAVE TO BE COMPLICATED.**

Simple means simple.

As in—no oil cooler required\* (initial cost savings and less maintenance).

As in—tapered roller bearings that last the life of the compressor (no inspection or replacement).

As in—one, single footprint for eight capacity offerings (lower installation costs and complete flexibility when your needs change).

As in—a state-of-the-art controller (monitors key operating parameters ensuring reliable and efficient compressor operation and providing increased compressor protection).

As in—welcome to the best screw compressor you can buy.

## **TWICE AS MANY "SUPER" CHOICES FOR THE SUPERMARKET INDUSTRY.**

You offer your customers choices so they can get what they really want and need. Carlyle takes the same attitude toward our customers. We offer *twice as many* models as any other supplier to ensure that you get the exact capacity for your particular application, and to help you get some pretty choice benefits:

## **AND JUST IN CASE YOU NEED A FEW MORE REASONS...**

- Carlyle uses refrigerants that are friendly to the environment.
- The Carlyle Endurance can operate at 50 hertz without losing capacity, making it ideal for international applications.
- As a subsidiary of United Technologies, Carlyle has a worldwide reputation for superior technology and responsive

COMPRESSOR	06TRF065	06TAG065	06TAG065
Operating Conditions*	Low-Temp Refrigeration -25°F SST/ 110°F SCT	Medium-Temp Refrigeration 15°F SST/ 110°F SCT	Air Conditioning 45°F SST/ 120°F SCT
CFM (cubic ft/min)	65	65	65
Generated Capacity (BTU/hr)	141,000	309,000	420,000
Specific Output (BTU/hr/CFM)	2169	4754	6462
Refrigerant Used	R-507/404A	R-507/404A	R-22

\* Performance for economized compressor operation at 65°F Return Gas Temperature.

- fewer compressor cycles for more efficiency and longer operation;
- more stable temperatures to extend product shelf life;
- a range of sizes that can run more hours at full load and thus lower operating costs.

customer service. You can rest assured that the problems you face every day are the same ones we address every time we design and build a Carlyle Endurance Screw Compressor.



\*For most applications. Contact Carlyle Applications Engineering for exceptions.

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