

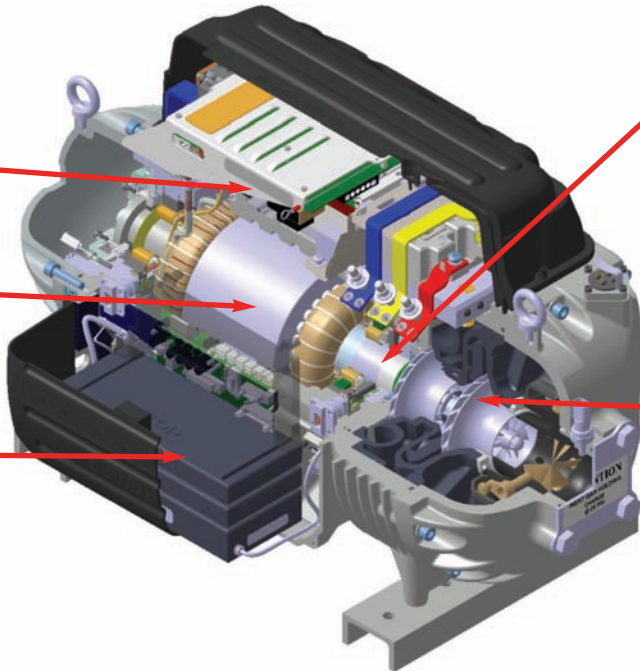


The Turbocor Family of Compressors *Model TT350*

A VFD (Variable Frequency Drive) built in as a standard providing unmatched part-load efficiency.

A permanent magnet motor which cuts size and weight while increasing efficiency.

A fully functional computer to provide control plus high level of monitoring and diagnostics.



Oil-free magnetic bearings provide quiet and reliable operation. No need for oil, reduces maintenance and eliminates the complexity, cost and reliability issues of oil-based designs.

Two Stage, Direct Drive, Hermetic Centrifugal compressor with shrouded impellers resulting in high efficiency at full load and extraordinarily high efficiency at part load conditions.

A 300 to 400 kW nominal capacity compressor that is:

50%+ More Efficient: A compressor 50%+ more efficient than other compressors in its size range. And this exceptional performance can be monitored, either on site or remotely via a state-of-the-art monitoring diagnostics system.

Totally Oil-Free: Oil-free operation is something the industry has worked decades to achieve. This *oil-free* design eliminates not only the potential for efficiency robbing oil contamination, but also all of the oil management accessories: oil heaters, oil pumps, oil separators, oil filters, etc., plus oil disposal.

Extremely Lightweight: TT350 compressor weighs only 132 kg, approximately 1/8th the weight of conventional compressors. Further, this compressor only requires about half the space of a traditional compressor.

Very Quiet: At an operating sound level; the compressor is so quiet that, given typical equipment background noise, one literally cannot hear it run.

Redefines Soft-Start: The TT350 compressor redefines soft-start, drawing less than 2 amps, compared to 700-800 amps required by conventional compressors using across-the-line starters.

Making a world of difference

Visit our website at www.turbocor.com
to learn more about this and other Danfoss Turbocor products.

Unprecedented Energy Efficiency

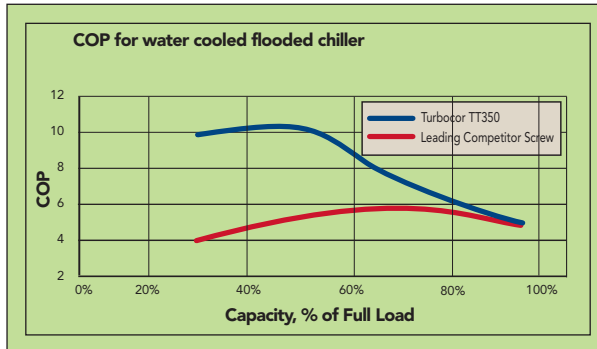


Chart 1

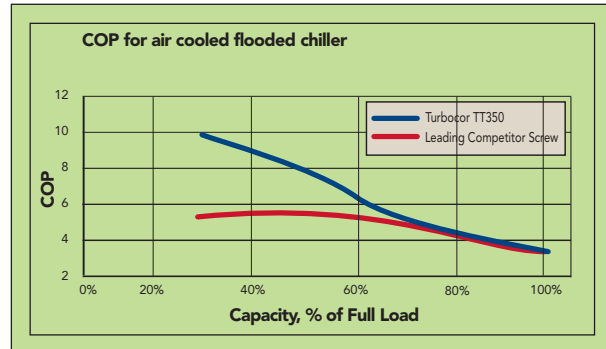
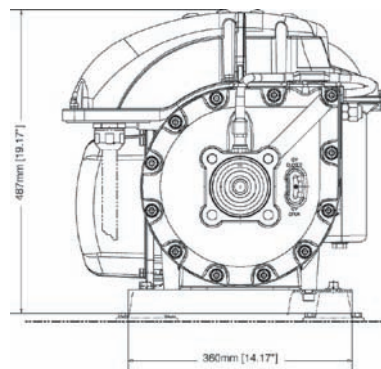
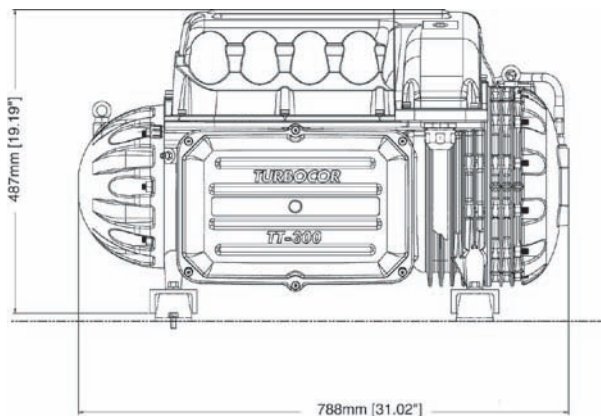


Chart 2

Outstanding energy savings from digitally controlled, frictionless two-stage centrifugal compression means significant reductions in operating cost and environmental emissions associated with energy production.

Chart 1 shows the full and part load performance curve of the Turbocor compressor compared with a typical screw compressor on a 350kW (100-tonR) water cooled chiller. The integrated part load values (IPLV) yield a 50%+ improvement in many applications.

Chart 2 shows the full and part load performance curve of the Turbocor compressor compared with a typical screw compressor on a 350kW (100-tonR) air cooled chiller. The integrated part load values (IPLV) yield a 30%+ improvement in many applications.



Length	788 mm (31.02")
Width	518 mm (20.40")
Height	487 mm (19.19")
Compressor weight		132 kg (290 lbs)
Refrigerant	R-134a



1769 E. Paul Dirac Drive
 Tallahassee, FL 32310, USA
 Phone: +1 (850)-504-4800
 Fax: +1 (850)-575-2126
www.turbocor.com

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