

Danfoss Turbocor® VTT and VTX Compressor

Delivering industry leading efficiency using **oil free technology** for **water-cooled** applications

The Danfoss Turbocor® VTT and VTX oil-free, magnetic bearing compressor, optimized for water-cooled applications





The Danfoss Turbocor® Portfolio of Oil-Free Compressors

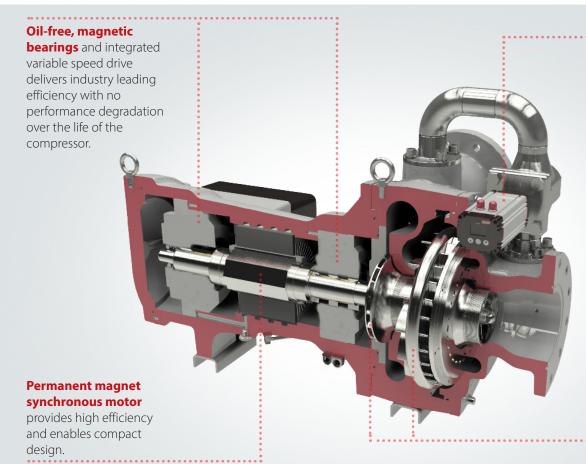
Model VTT1200



The Danfoss Turbocor® **VTT1200** (Variable Twin Turbo) compressor brings the benefits of oil-free, magnetic bearing technology up to 400 tons / 1430 kW. The large capacity design results in an oil-free chiller system up to 3200 tons / 11,250 kW or larger in a multiple compressor configuration.

The VTT1200 compressor, optimized for water-cooled chiller applications, uses the patented IntraFlow™ technology which extends the stable operating range and increases the turn down capability of the chiller.

The result is a compressor that minimizes the risk of surge while maintaining peak full- and part-load efficiency.



Patented IntraFlow™ technology provides stable operation at a wide range of watercooled operating conditions.

Two stage compression allows for stable operation over a wide range of operating conditions.



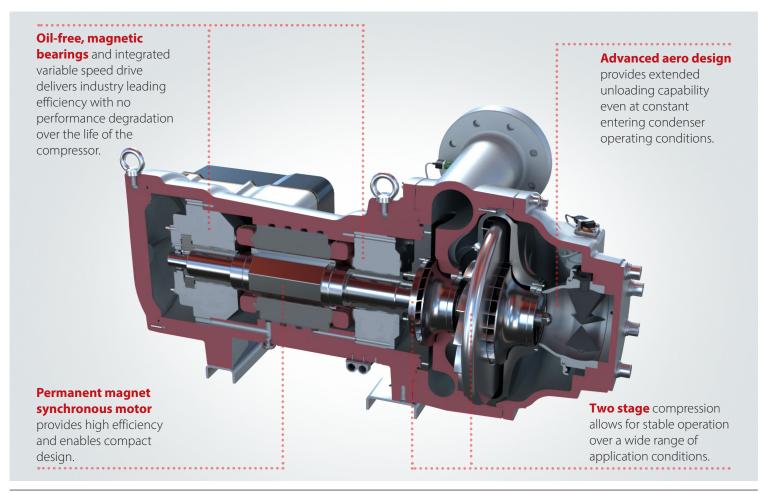
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Model VTX1600



The Danfoss Turbocor® **VTX1600** compressor brings the benefits of oil-free, magnetic bearing technology to larger capacity chillers. The 450 ton / 1600 kW nominal capacity rating allows for a multiple compressor configuration up to 3600 tons / 12,660 kW or larger.

The VTX1600 compressor, optimized for water-cooled chiller applications, uses an advanced aero design that gives industry leading full-load efficiency with no performance degradation over the life of the compressor. Combined with the **advanced** IGV design, the VTX1600 provides outstanding unloading capability even at constant entering condenser operating conditions.





High Performance Alternative to Screw

Compressors

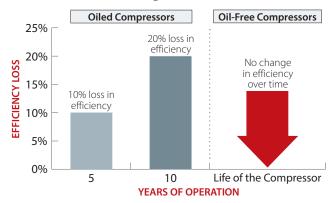
The VTT / VTX compressor is more efficient, quieter and requires less maintenance then screw compressors. The VTT / VTX compressor is more efficient, quieter and requires less maintenance than screw compressors. All these features translate to a lower total cost of ownership and less customer complaints.



Zero Performance Degradation

Oil free, magnetic bearing compressor technology eliminates complex oil and refrigerant lubrication management systems resulting in a simplified chiller design, increased reliability and reduced maintenance.

Performance Degradation Over Time*



*Source: Tsinghua University Study 2014

Simplify the chiller decision making process with the **Danfoss ChillerROI** app.

The Danfoss ChillerROI app simplifies the decision-making process by allowing you to estimate the return on investment (ROI) using a few pieces of basic information. Simply enter the parameters into the app, and you'll get a side-by-side comparison that displays the expected long- and short-term costs. Then, you can choose the best chiller for the situation. Visit turbocor.danfoss.com to download the ChillerROI app from Google Play and iTunes Stores.



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