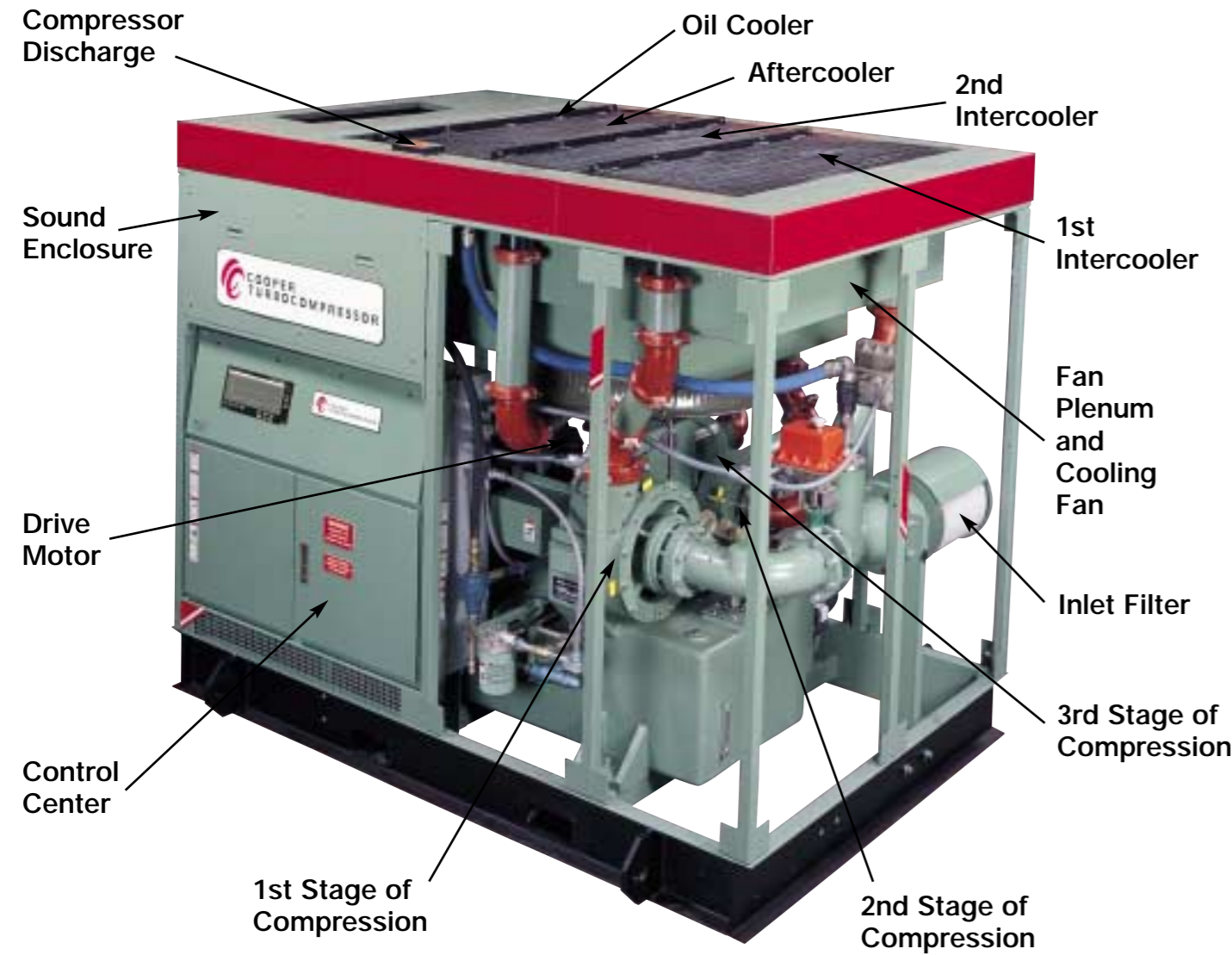


3 Stages of Compression



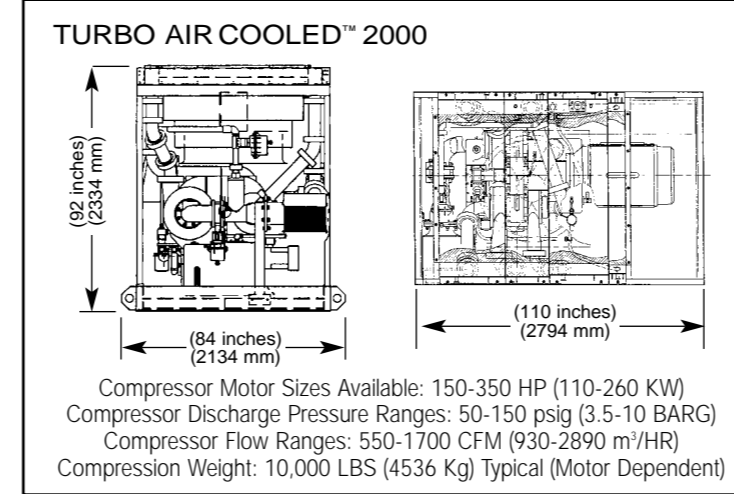
Cost Comparison

Save with the Turbo Air Cooled™ 2000 Compressor

	Air Cooled	Water Cooled
Cost of Water	No	Yes
Cost of Pumping Water	No	Yes
Cost of Treating Water	No	Yes
Cost of Maintaining Water System	No	Yes
Installation Cost of Cooling System	No	Yes
Cost of Closed Loop Cooling System	No	Yes

Cooper Turbocompressor features a superior arrangement of air flow components. Air movement through each stage of the compressor is directed so turbulence is reduced. Energy is added to the air in each stage which increases the pressure. Air is cooled after every stage to assure high efficiency. A built-in aftercooler eliminates the need for a separate pipeline type cooler.

Weights and Dimensions



Cooper Turbocompressor Locations to Serve You Worldwide

Contact your local Authorized Cooper Turbocompressor Distributor for more information, or call one of the Cooper Turbocompressor Sales Offices listed on this brochure.

Headquarters
3101 Broadway • PO Box 209
Buffalo, NY 14225-0209 USA
Toll free: 1-877-805-7911
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Fax: 716-896-1233
www.turbocompressor.com

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Cooper Turbocompressor strives for continuous improvement in all aspects of our business. Cooper Turbocompressor reserves the right to modify designs and specifications without notice or obligation. Nothing contained in this brochure is intended to extend any type of warranty, expressed or implied.



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Air Cooled Oil-Free Air



Turbo Air Cooled™ 2000 Centrifugal Compressors



The most reliable centrifugal compressor – now available air cooled.

Cooper Turbocompressor has introduced the Turbo Air Cooled™ 2000 centrifugal compressor, designed for applications where there is a limited supply or no water available for cooling.

The new Turbo Air Cooled compressor makes it possible for more industries around the world to enjoy all the advantages of our state-of-the-art centrifugal compressor design.

Oil-Free Air

- Prevents oil contamination of your system.
- Removes the potential for compressed air pipeline fires caused by oil carryover.
- Eliminates costly waste disposal problems associated with oil-laden condensate.
- Eliminates the expense and associated maintenance requirements of oil removal filters, since no oil enters the compressed air stream in the compressor.

High Reliability

- Thrust loads absorbed at low speed.
- No wearing parts.
- Non-contact air and oil seals.
- Stainless steel compression elements.
- Conservative high quality gear design.
- Unlimited life pinion bearing design.

Lowest Cost Operation

- True unloading capability.
- Energy savings and increased uptime translate to minimum operating life cycle costs.
- Excellent part-load efficiencies for any operating load.
- No sliding or rubbing parts in the compression process causing wear and thereby efficiency loss.

Easy Operation

- Vantage™ High Performance Compressor Control System, the compressor industry's most advanced control system.
- Totally automatic operation for any operating condition.
- Self diagnostics.
- Quiet operation.

Easy Maintenance

- No wearing parts requiring periodic changes or replacement in the compression elements.
- No oil removal filters to clean.
- Accessible horizontally split gear box for quick inspection.
- Easy to clean air cooled cooler core.

Simple Installation

- Complete package including aftercooler, controls, motor, and lubrication system and inlet filter.
- Minimum number of external connections.
- Compact design requires minimum floor space.
 - Package starter options available in full voltage, Y delta or solid state configurations.
 - Package discharge check valve option available to eliminate costly field installation.



Turbo Air Cooled™ 2000 Centrifugal Compressors

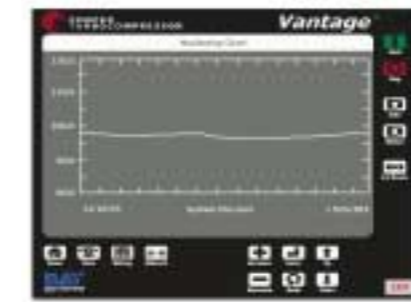
The most advanced package available -

Easy, low cost installation and operation. Includes built-in aftercooler, inlet filter/silencer and optional packaged check valve.



Starter Options (Packaged) -

Packaged starter options available in full voltage, Y delta, or solid state configurations.



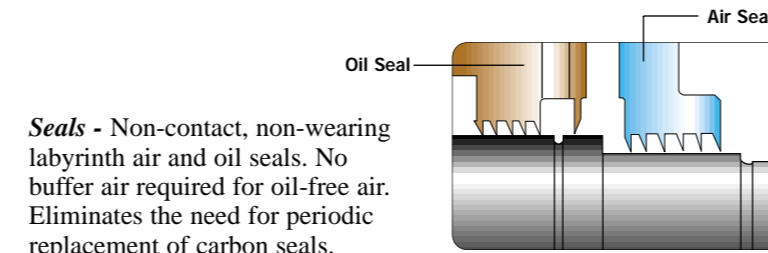
Vantage™ High Performance Compressor Control System -

The compressor industry's most advanced control system is standard, offering greater turndown and true system pressure control for significant energy savings.



Lubrication System -

Self-contained, low pressure system.



Seals - Non-contact, non-wearing labyrinth air and oil seals. No buffer air required for oil-free air. Eliminates the need for periodic replacement of carbon seals.

Horizontal Split Gear Box - Allows for easy access when customer's maintenance policy requires periodic inspection.

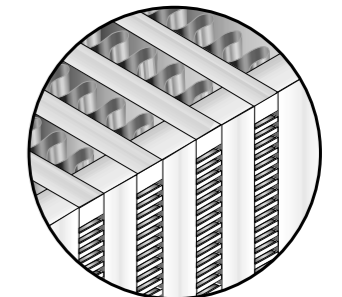


Impellers - Advanced design combines the best features of a semi-radial and backward leaning impeller.

Vaned Diffusers - Matching diffusers for superior efficiency.



Superior Pinion Bearing Design - For unlimited life and operation at any load. Patented hydrostatic squeeze film design.



Intercoolers/Aftercooler - Air to air heat exchangers provide cooling comparable to water cooled compressors.

