

# DT Series Gearless Turbo Blower



**Power:** 20 to 500 HP / 15 to 375 kW

**Flow:** 150 to 15,000 SCFM / 250 to 25,000 nm<sup>3</sup>/h

**Pressure:** 2 to 20 PSI / 0.1 to 1.4 bar

*Air, Pressure*

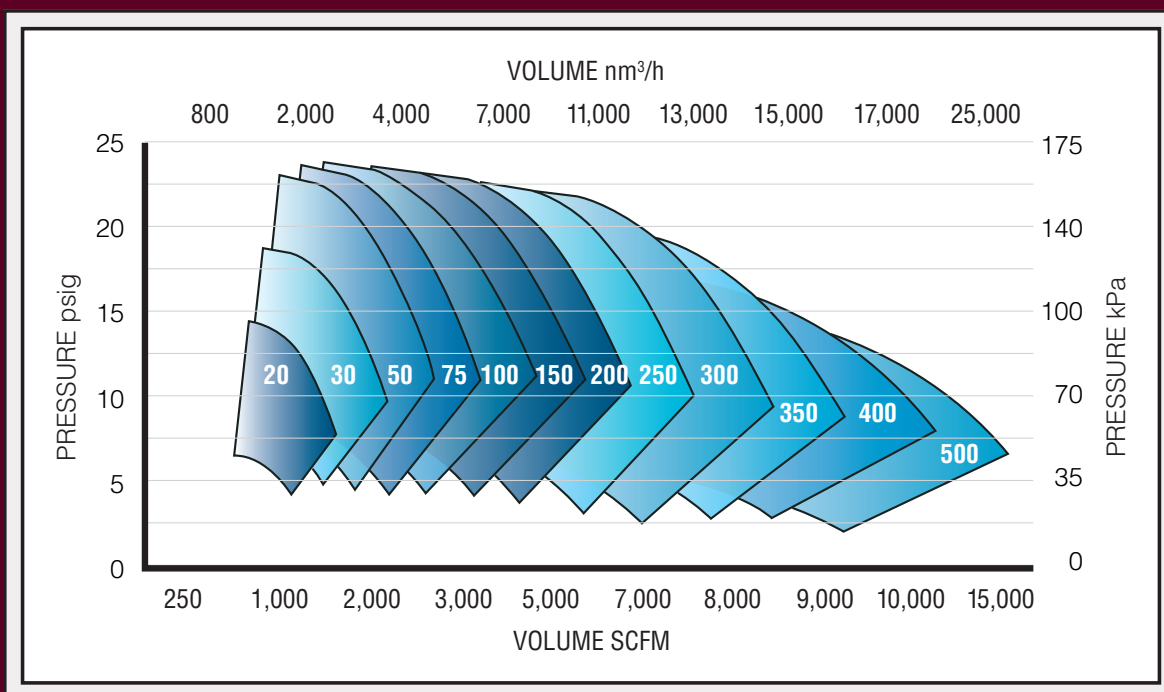
**Your ONE Solution for Blower Systems**

# DT Series Gearless Turbo Blower

With more than 5,000 installations since 2006, our gearless (high speed) turbo blower represents the most successful and largest installed base in the world. As the leader of this technology our product has proven reliability and performance in a market with many entries.

## Product Features

- High Efficiency
- Small Footprint
- No Lubrication
- Low Maintenance
- Self Cooled
- Completely Pre-Packaged
- Sound Levels Near 80 dBA



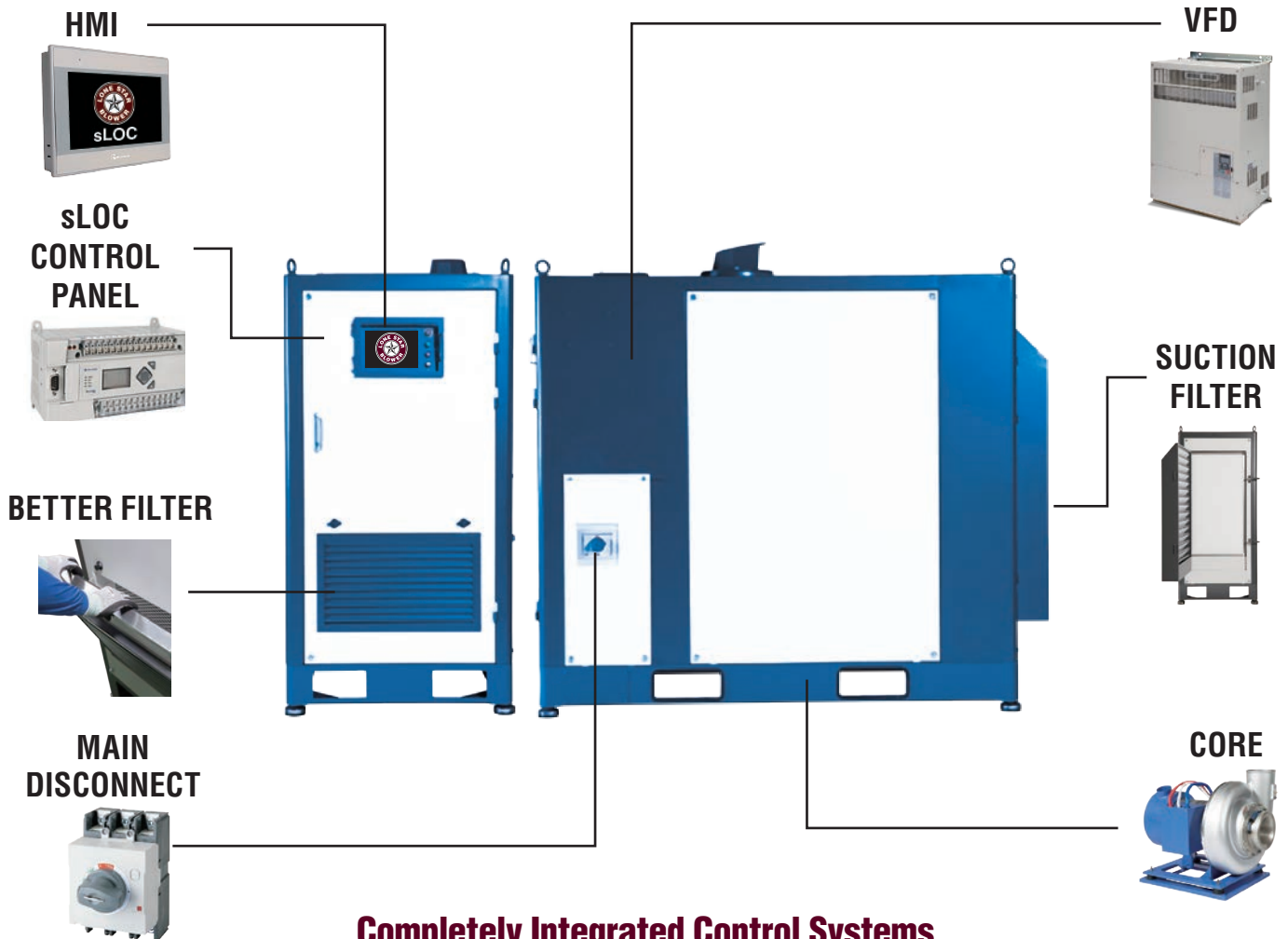
**Multi-core packages available to  
suit your application**

# DT Series Gearless Turbo Blower

Advanced technology with a high speed direct coupled motor and impeller that operates lubricant free.

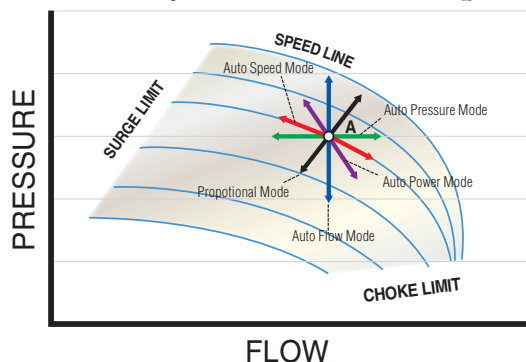
## Packaged System

Complete system is integrated in a single enclosure. Add power and piping and it is ready to get to work. Includes controller, variable frequency drive, filter, and preconstructed in a sound enclosure.



## Completely Integrated Control Systems

On board control safely operates the blower system and can integrate with any network. Easy to interface and operate.



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## Bearings: Air Bearing Technology

Nano Silver Coating on the bearing surface combined with triple stage heat treatment offers the longest start/stop guarantees in the world with over 100,000 stop/starts.

## Permanent Magnet High Speed Motor

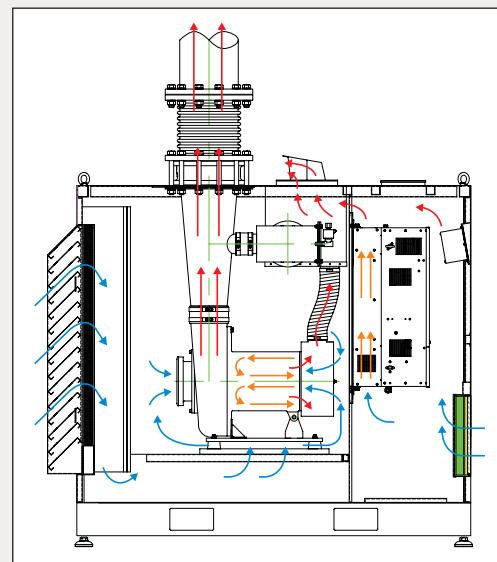
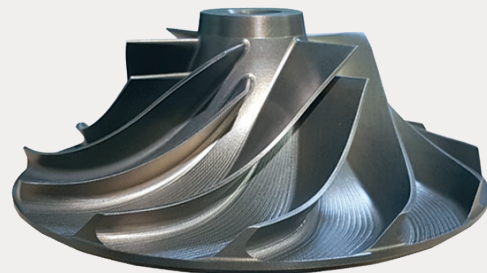
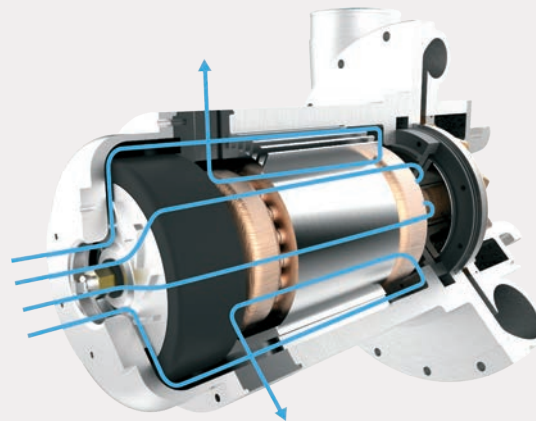
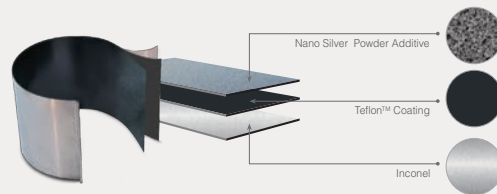
High speed permanent magnet motors offer superior efficiency at partial load as compared to traditional induction motors. The patented NO-0675821 forced cooling systems of our motors allow a longer life, even in the hottest environments.

## Aerodynamic Perfection

Impeller design achieves three targets. Wide turndown, stable rise to surge, and high efficiency. Five axis machining of forged aluminum with a final anodized coating for performance and hardness.

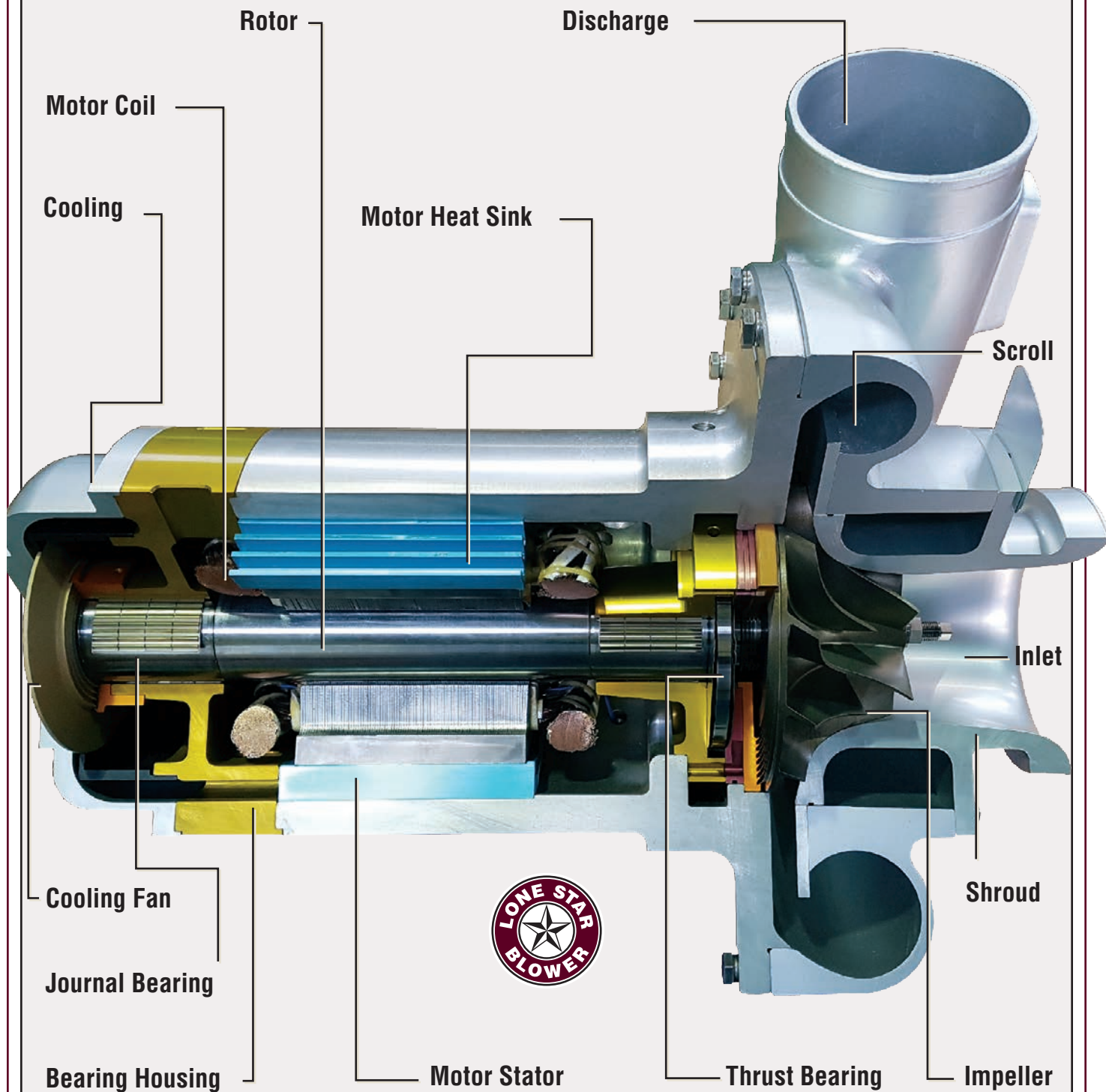
## Cooling System

Completely integrated and self cooling without the use of additional fans. Inlet air to the compressor drives all cooling air through the motor and VFD while heated air is discharged separately to improve overall efficiency. Patent No. 10-0675821





## Core Technology



## Applications



Water and Waste Water



Food and Beverage



Utility Power



Petro-chemical



Industrial

## LONE STAR GLOBAL NETWORK

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of turbo blowers in the world.**

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call us today regarding your next application.

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Geared Turbo



**LS**

Multistage Turbo



**DT**

Gearless Turbo



**CS**

Control Systems



**PS**

Packaged Systems



**AM**

Aftermarket



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