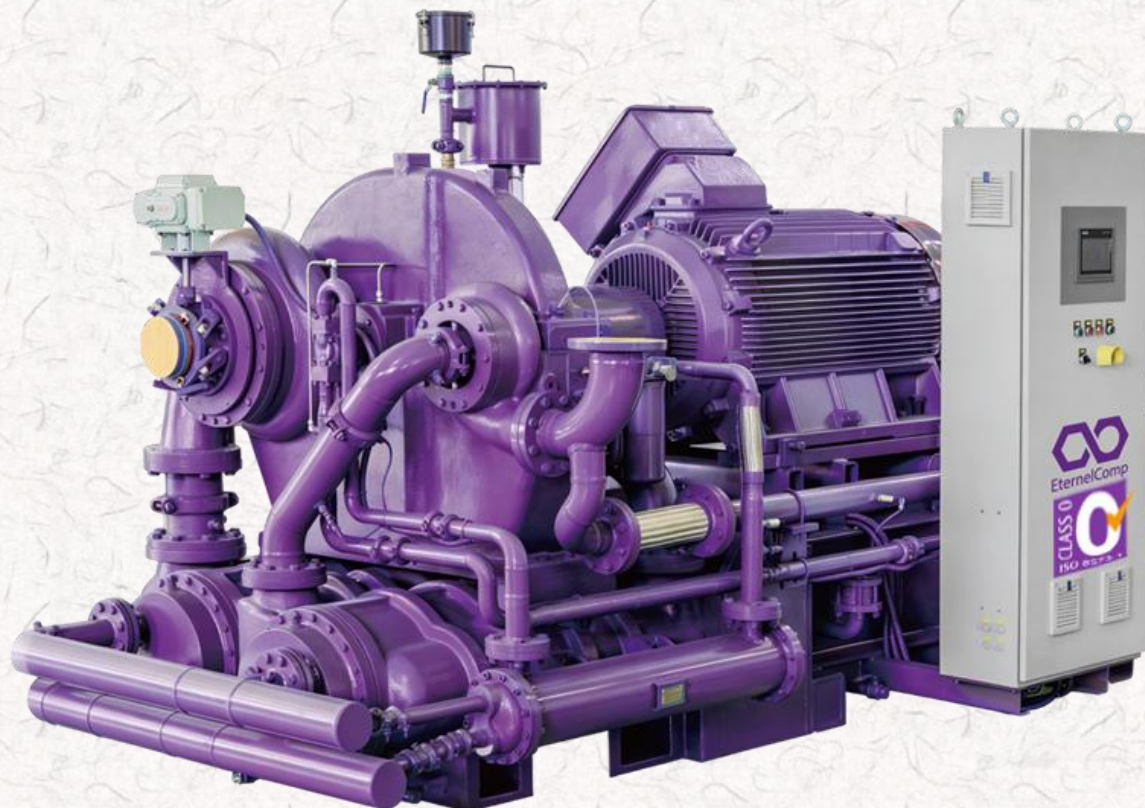


100% Oil-Free Centrifugal Compressors

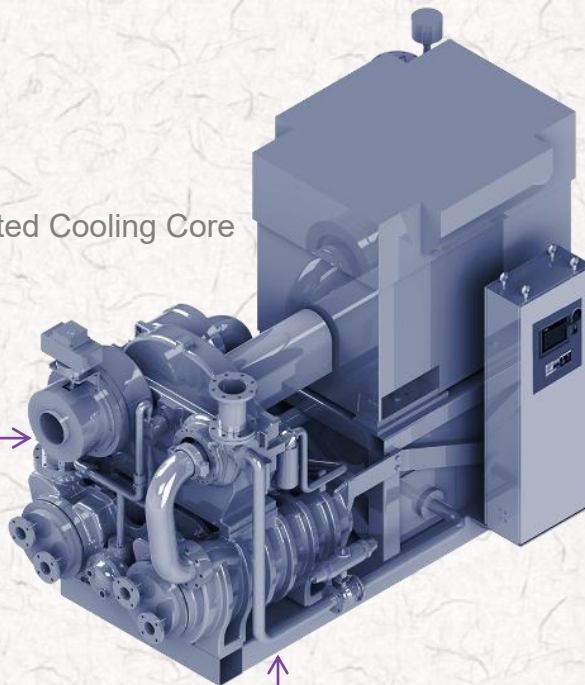
2/3/4-Stage Centrifugal Compressors

2/3/4-stage compression with intercooling delivers high efficiency and oil-free compressed air.

Precision impeller & smart control ensure stable running and low upkeep cost.



EternalComp Integrated Cooling Core

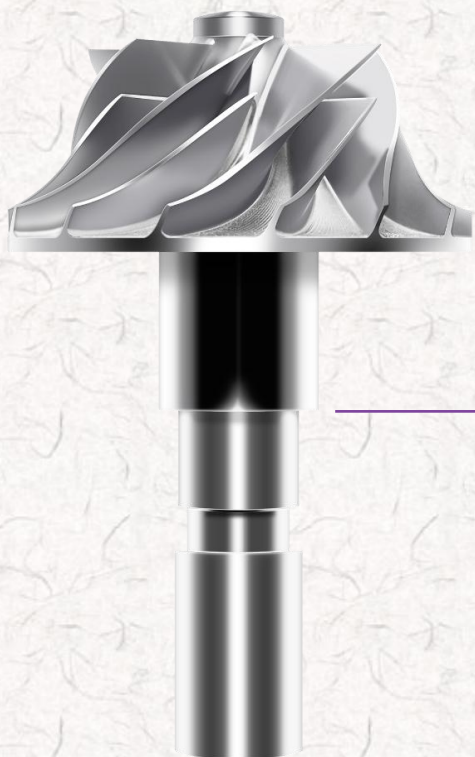


EternalComp Unique Advantages

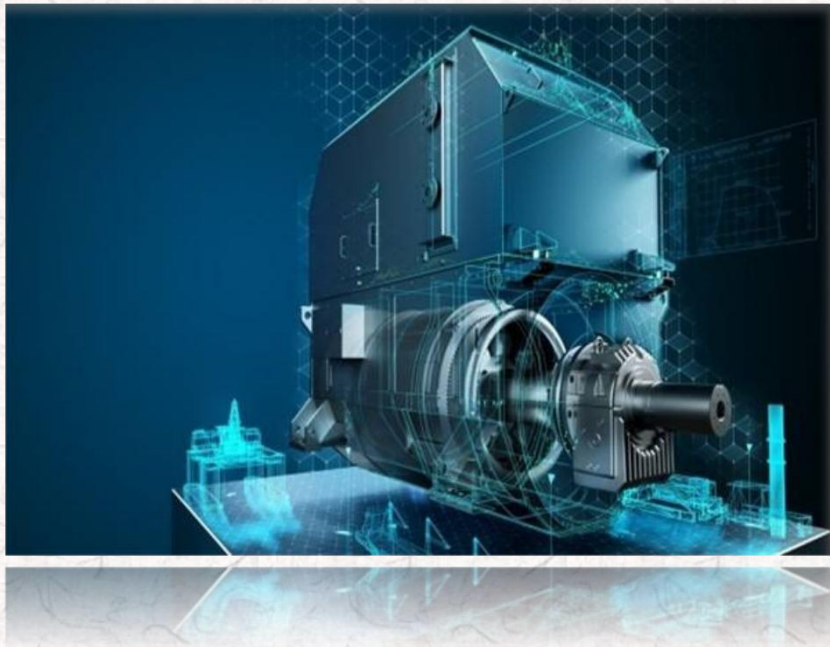
- Seventh-Generation Impeller Technology
- Forging and 5-Axis Machining
- Three-way, rear-inclined design
- Special anti-corrosion coating

Increase overall efficiency by approximately **2%**.

EternalComp Patented 3D Flow Channel



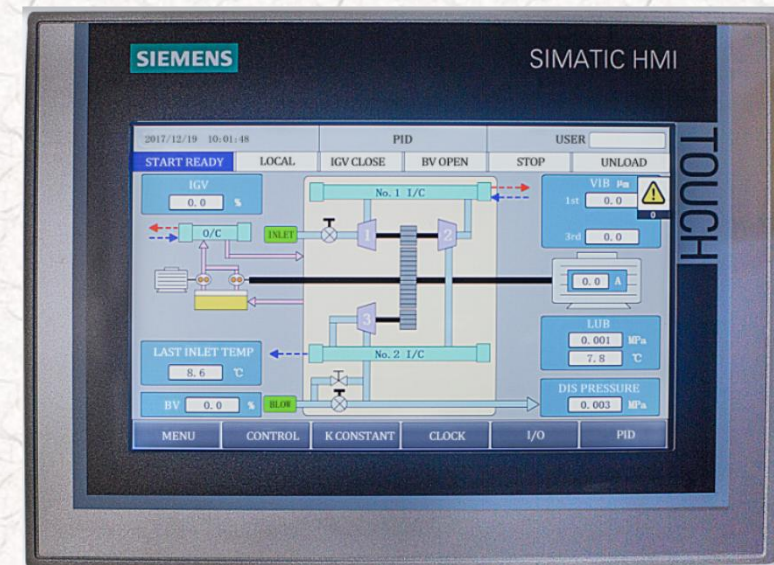
Overall efficiency has increased by at least 4%



Custom-made motors from Germany: VEM, ABB, SIEMENS, SEC.

Motor options are configured with a power margin that meets the most stringent API 672 standards.

The industry's most advanced, highly reliable Siemens S7-1200 PLC controller.



Digital Smart Cloud Control System

Our centrifugal compressors support coordinated unit control via the Internet of Things (IoT) and feature comprehensive operational monitoring, automatic fault alerts, and scheduled maintenance reminders to minimize unplanned downtime.

- 01 24/7 Real-time Status Monitoring
- 02 Remote Diagnostic & Fault Warning
- 03 Mobile App & PC Integration
- 04 Data Analysis for Efficiency Optimization

Satellite

BEI DOU SYSTEM

Security

DATA ENCRYPTION

Network

5 G / NB-IOT

Custom

API ACCESS

1

Rotor radial bearing

- Supports only radial forces; does not support axial thrust
- Damping performance and self-aligning function
- The horizontal split design facilitates inspection and maintenance

2

Deflector

- Stainless steel has no lifespan limit
- Corrosion-resistant and consistently efficient
- Risks Associated with Frictionless Impellers

3

Cooler drain valve

- Zero gas consumption
- Stainless steel valve core with drain port
- Mechanical cylinder type

Technical Specifications

2-Stage/3-Stage/4-Stage Centrifugal Compressors(Power 1600-2000Kw, 215–2680HP)

Model	Power (kW/HP)	Pressure (bar)	Air Delivery (m ³ /min)	Dimension (mm)	Weight (kg)
LC300-2	160-315	2~10	45-82	3280*1850*2200	2500
LC450-2	250-450	2~10	76-122	3800*2000*2250	3300
LC600-2	400-560	2~10	118-150	4200*2150*2350	3400
LC900-2	500-900	2~10	142-225	4200*2150*2350	3500
LC1200-2	630-1200	2~10	186-310	4600*2200*2500	3600
SC500-3/4	250-450	2~16	45-82	3280*1850*2200	6000
SC700-3/4	400-630	2~16	76-122	3800*2000*2250	7800
TC800-3/4	630-800	2~16	118-150	4200*2150*2350	11000
TC1400-3/4	710-1400	2~16	142-225	4200*2150*2350	11500



PRODUCTS

Pursuing Exceptional Quality and High-Caliber Innovation. Dedicated to driving down your energy cost globally.

Oil-Lubricated Compressors
Oil-Free Screw Compressors
Nitrogen/Oxygen Generator
Blower
Strategic Products
Treatment Equipments

SUPPORT

Customization
Global Network
Lifecycle Service
Original Spare Parts

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Available across USA, Canada, Germany, India, and more.