

100% Oil-Free Screw Compressors

NXGW-series Screw Compressor

ISO Class 0 oil-free air via non-contact dry screw structure. Energy-saving, low-noise and low upkeep, specially engineered for high-purity demanding industries.



* F = Fixed Speed | V = Variable Speed Drive (VSD). Parameters are for reference only.

We partner with global industry leaders to ensure that every component meets the highest reliability standards.

35%

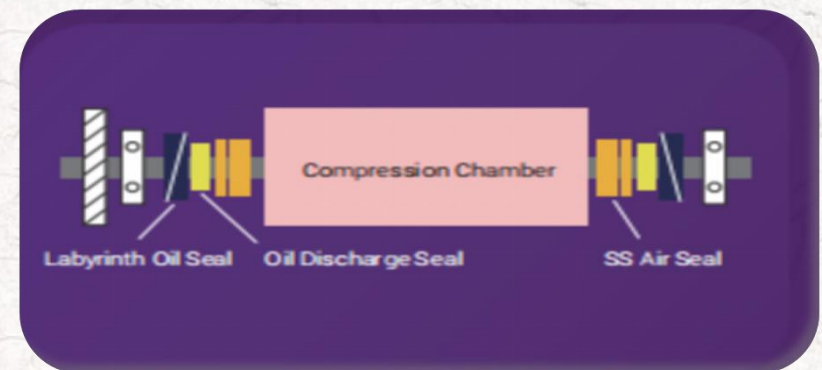
**AVERAGE
ENERGY SAVING**

IE4

**MOTOR
EFFICIENCY**

24/7

**REMOTE
MONITORING**

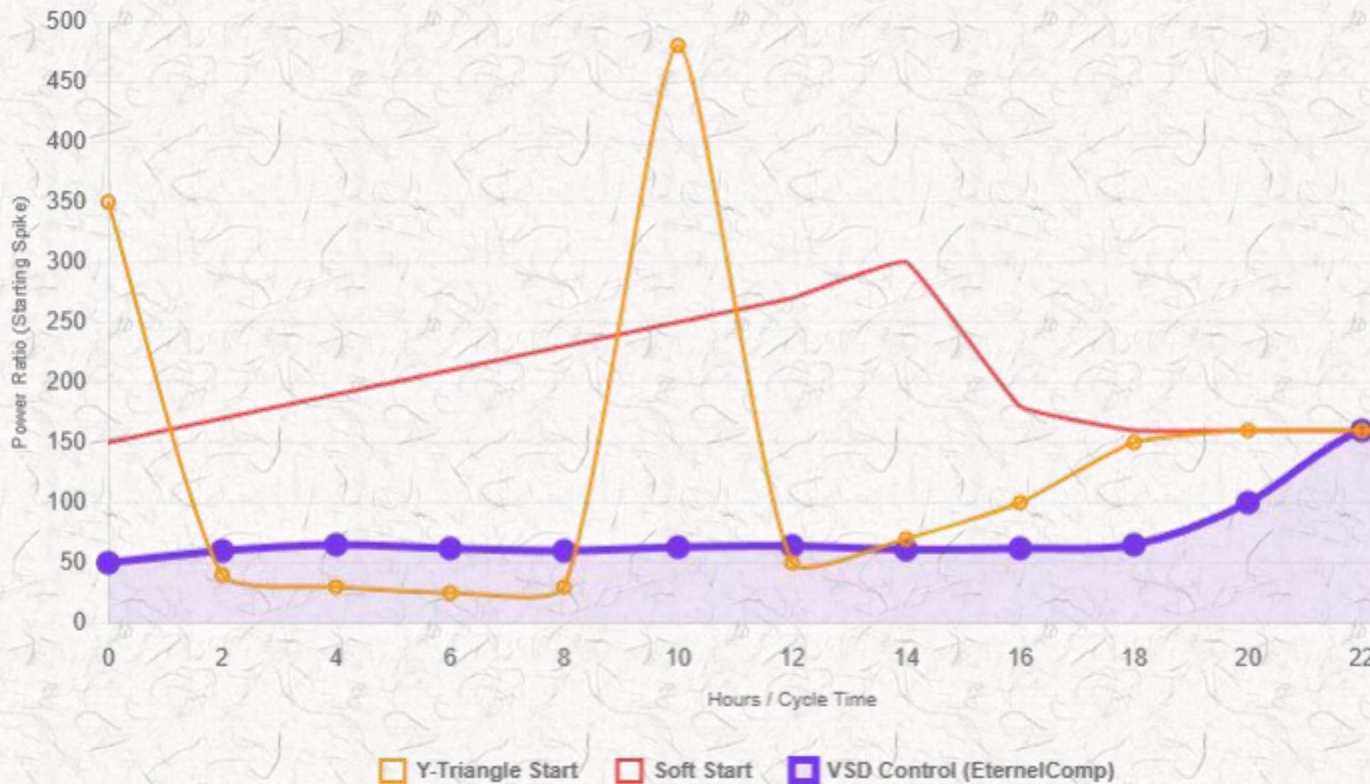


Ensures the Oil-Free Operation of the
Air Compression Chamber

Driving Down Your Energy Cost

Energy consumed by a compressor represents over 80% of its lifecycle cost. Our upgraded Variable Speed Drive (VSD) technology precisely tracks air demand to eliminate wasted power.

Full Workload Power Ratio Comparison



Lifetime Cost Reduction

Compared to traditional fixed-speed units, our VSD systems significantly flatten the cost curve.

Energy seveining **35% ↑**

Lifetime Cost Reduction **22% ↓**

** Based on standard operating cycles in manufacturing environments using NXGW-eries permanent magnet motors.*

Digital Smart Cloud Control System

Our dry oil-free compressors support unit linkage control via IoT, with full monitoring, fault alerts and maintenance reminders to ensure zero 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

BEIDOU SYSTEM

Security

DATA ENCRYPTION

Network

5 G / NB-IOT

Custom

API ACCESS

1

Air End

Boasting reliable zero-failure performance and low upkeep costs, this air end cuts multi-stage heat load. Its secondary rotors adopt stainless steel for anti-moisture corrosion.

2

Stainless-steel Rotors

Stainless steel rotors avoid steam corrosion and breakdowns. Optimized 3:4/4:6 tooth profile with only 0.01mm clearance cuts power use, noise and boosts efficiency.

3

Synchronous Gear

AGMA13 precision helical gears deliver long service life, low transmission loss, noise and vibration. They lessen bearing axial load to safeguard bearings and prolong lifespan.

* F = Fixed Speed | V = Variable Speed Drive (VSD). Parameters are for reference only.

Technical Specifications

NXGW — Series Screw Air Compressor (Power 37 - 315 Kw)

Model	Power (kW/HP)	Pressure (bar)	Air Delivery (m ³ /min)	Dimension (mm)	Weight (kg)
NXGW-37F/V	37/45	7-10	5.10~7.70	2500*1600*2080 (A)	2550
NXGW-45F/V	45/60	7-10	7.78~9.60	2500*1600*2080 (A)	2600
NXGW-75F/V	75/100	7-10	11.1~12.12	2300*1600*1790 (W)	2800
NXGW-90F/V	90/120	7-10	13.0~13.13	2300*1600*1790 (W)	2800
NXGW-110F/V	110/150	7-10	16.0~19.50	2800*1800*1860 (A)	3000
NXGW-132F/V	132/175	7-10	19.44~23.0	2800*1800*1860 (A)	3300
NXGW-160F/V	160/215	7-10	23.0~26.30	2800*1800*1860 (A)	3400
NXGW-200F/V	200/270	7-10	29.05~35.0	3100*1900*2200 (W)	4400
NXGW-315F/V	315/420	7-10	45.37~50.09	3400*2200*2200 (W)	5100



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

CONTACT US

Nanxiang Sales Service Center

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