

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.



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

35%

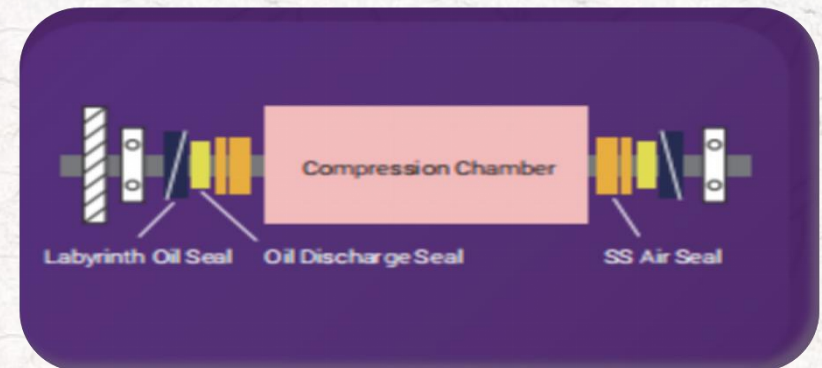
**AVERAGE
ENERGY SAVING**

IE4

**MOTOR
EFFICIENCY**

24/7

**REMOTE
MONITORING**

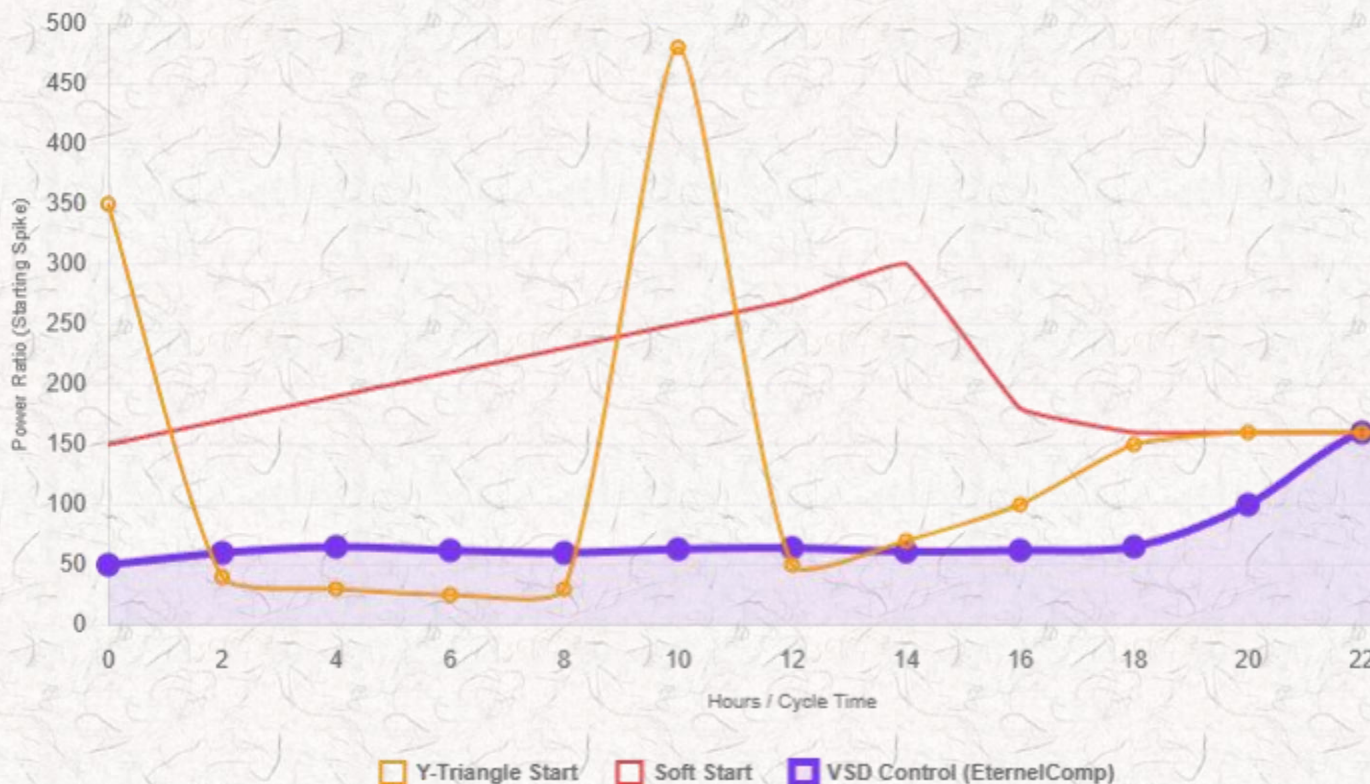


Ensures the Oil-Free Operation of the
Air Compression Chamber

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 equipment, our variable-frequency drive system significantly reduces the cost curve.

Energy Saving **35% ↑**

Life time Cost Reduction **22% ↓**

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

Digital Smart Cloud Control System

Our oil-free compressors support integrated unit control via the Internet of Things (IoT) and feature comprehensive 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, failure-free performance and low maintenance costs, this air end reduces the multi-stage heat load. Its secondary rotors are made of stainless steel to resist moisture-induced corrosion.

2

Stainless-steel Rotors

The stainless steel rotor prevents steam corrosion and malfunctions. The optimized 3:4/4:6 tooth profile, combined with a clearance of just 0.01 millimeters, reduces energy consumption and noise while improving efficiency.

3

Synchronous Gear

AGMA 13 precision helical gears are characterized by a long service life, low transmission losses, and low noise and vibration levels. They reduce axial loads on bearings, thereby protecting the bearings and extending their service life.

Technical Specifications

NXGW — Series Screw Air Compressor (Power 45 - 315 kW 60 – 420 HP)

Model	Power (kW/HP)	Pressure (bar)	Air Delivery (m³/min)	Dimension (mm)	Weight (kg)
NXGW-37F/V	37/45	7-8	6	2500*1600*2080(A)	2550
NXGW-45F/V	45/60		7.7 -5.10	2500*1600*2080(A)	2600
NXGW-55F/V	55/75		9.60-7.78	2500*1600*2080 (A)	2600
NXGW-75F/V	75/100		12.12-11.10	2500*1600*2080(A)	2800
NXGW-90F/V	90/120		13.13-13.00	2500*1600*2080(A)	2800
NXGW-110F/V	110/150	7-10	19.50-16.00	2800*1800*1860(A)	3000
NXGW-132F/V	132/175		23.0-19.44	2800*1800*1860(A)	3300
NXGW-160F/V	160/215		26.30-23.0	2800*1800*1860(A)	3400
NXGW-185F/V	185/250		29.17-26.23	2800*1800*1860(A)	3600
NXGW-200F/V	200/270		35.00-29.05	3100*1900*2200(W)	4400

Model	Power (kW/HP)	Pressure (bar)	Air Delivery (m³/min)	Dimension (mm)	Weight (kg)
NXGW-220F/V	220 / 300	7-10	37.63-32.39	3100*1900*2200 (W)	4600
NXGW-250F/V	250/335		45.20-37.32	3400*1900*2200 (W)	4700
NXGW-280F/V	280 / 335		45.50-41.56	3400*2200*2200 (W)	4900
NXGW-315F/V	315 / 420		50.09-45.37	3400*2200*2200 (W)	5100

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



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.