

Water-lubricated Oil-Free Screw Compressors

NXVW-Series Screw Compressor

The unit features an integrated design with no complex piping, resulting in fewer potential failure points and more stable operation.

This equipment utilizes fifth-generation oil-free screw compressor core technology to achieve a technological breakthrough, transitioning from a copper compressor core to a stainless steel compressor core.



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

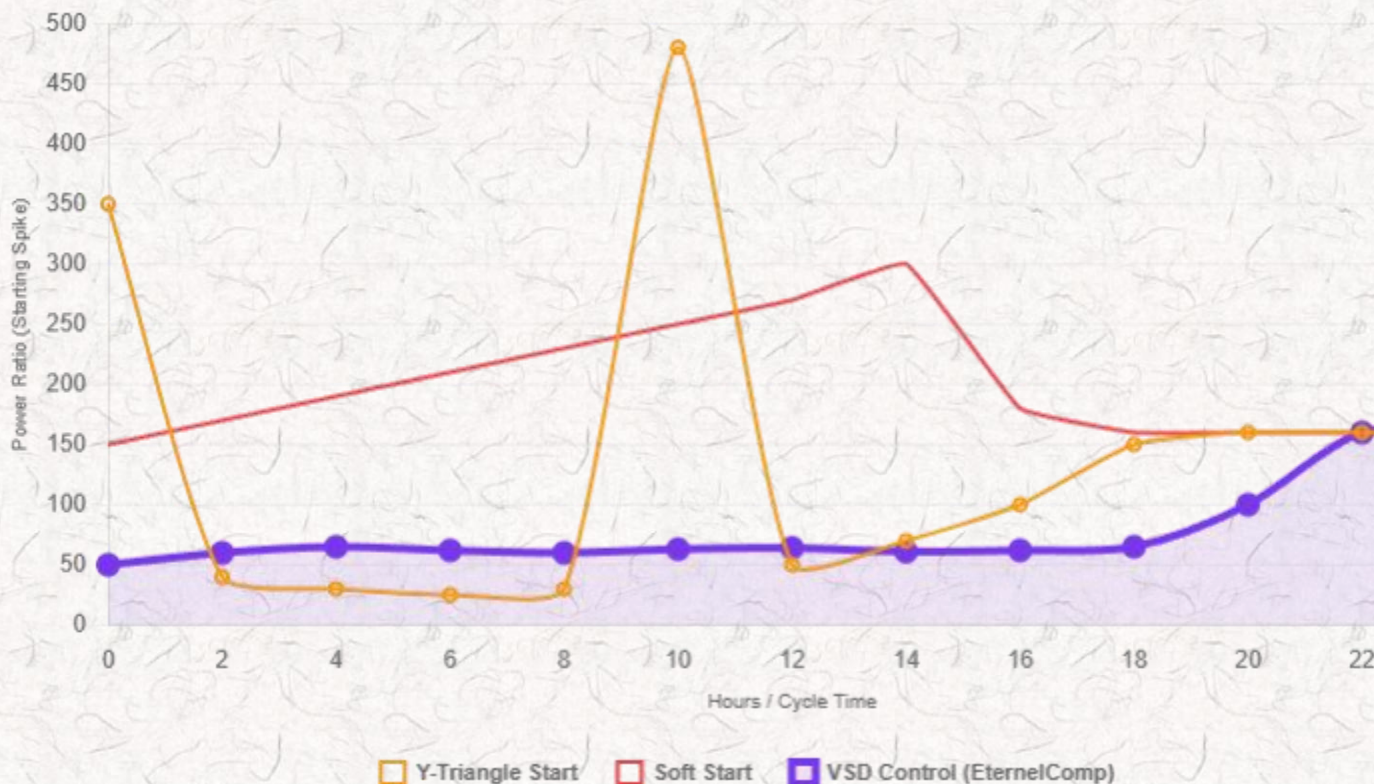


**emission
eco-friendly**

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

The pure, oil-free airflow prevents oil contamination and fully meets the requirements of the medical, food, and precision manufacturing industries.

Energy Saving **35% ↑**

Life time Cost Reduction **22% ↓**

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

Digital Smart Cloud Control System

Our moist-balanced oil-free compressors support unit linkage control via IoT, with full monitoring, fault alerts and maintenance reminders to ensure stable clean air supply.

- 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

Intelligent Control System

It shows running status, data and fault alerts, tracks pressure, power and temperature online, and supports customizable multilingual UI for easy operation

2

Efficient Frequency Inverter

Built-in PM variable frequency tech, fast pressure adjustment within $\pm 0.01\text{MPa}$; soft start enables accurate speed control and saves up to 40% power.

3

Stainless Steel Oil-free Air End

Equipped with 5th-generation screw airend made of stainless steel alloy, realizing an upgrade from conventional copper rotors.

Technical Specifications

NXVW — Series Screw Air Compressor (Power 7.5 - 200Kw 10-270 HP)

(Fixed Speed for only 7.5-45kw)

Model	Power (kW/HP)	Pressure (bar)	Air Delivery (m³/min)	Dimension (mm)	Weight (kg)
NXVW-7.5F/V	7.5/10	8-10	0.80~1.17	800*800*1200	320
NXVW-15F/V	15/20		1.92~2.43	1200*755*1130	440
NXVW-22F/V	22/30		3.0-3.70	1400*900*1285	640
NXVW-37F/V	37/50		5.33~6.50	1580*1000*1485	880
NXVW-55V	55/75		7.9~10.3	2050*1300*1690	1100
NXVW-75V	75/100		11.50-13.0	2180*1350*1705	1230
NXVW-110V	110/150		16.66-20.2	2550*1550*1825	2230
NXVW-132V	132/175		17.97-23.5	2800*2128*1860	2360
NXVW-160V	160/215		25.45-28.11	2700*1800*1970	3900
NXVW-185V	185/250		29.00-31.32	2700*1800*1970	4050
NXVW-200V	200/270		31.80-36.75	2700*1800*1970	4200

* 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
Original Spare parts
Lifecycle Servicearts

CONTACT US

Nanxiang Sales Service Center

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