

Industrial Reciprocating Gas Compressor

This reciprocating compressor regulates gas pressure using an outlet pressure sensor and reflux regulator to adapt to varying operational demands. An integrated storage tank stabilizes airflow, while a process bypass line ensures uninterrupted gas supply during shutdowns or specific conditions.



Overview

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This high-capacity industrial reciprocating gas compressor is engineered for demanding applications in oil, gas, and chemical processing sectors. Designed for stability and performance, the unit features an integrated multi-stage compression system mounted on a robust steel skid. It provides reliable operation for high-volume gas requirements with a 500KW power rating.

Performance Metrics

Key Operational Metrics

500 KW

Power Rating

6267 KPa

Discharge Pressure

Suction Pressure

2900-3400 KPa

Capacity

12665-18080 Nm²/h

Technical Specifications

Integrated Components

- Multi-stage compression cylinders
- Robust steel skid mounting
- Heat exchangers
- Control panels with monitoring gauges
- Pressure relief and emergency shutdown safety systems

Electrical Motor Model

Nanyang YBXn 5001-8