

KOHO COMPRESSORS

NON-LUBRICATED

Description:

KOHO's single-stage, double-acting process gas compressors are engineered for the compression of clean and technically demanding gases. The vertical, non-lubricated design eliminates the risk of oil contamination, making the compressor ideally suited for sensitive and hazardous gases.

The same compressor frame and shaft design can be used across multiple gas applications, while gas-specific components such as piston rings, valves, and sealing systems are adapted to the individual gas properties. This modular approach ensures flexibility, high efficiency, and long service life.

Specifications:

- **Compressor type:** Reciprocating process gas compressor
- **Design:** Vertical construction
- **Lubrication:** Non-lubricated
- **Operating principle:** Single-stage, double-acting
- **Suitable gases:** LNG, LPG, CO₂, and other process gases
- **Number of cylinders:** Depending on configuration
- **Pressure range:** Application-dependent
- **Drive:** Electric motor
- **Cooling:** Water-cooled (configuration dependent)

Codes & Standards:

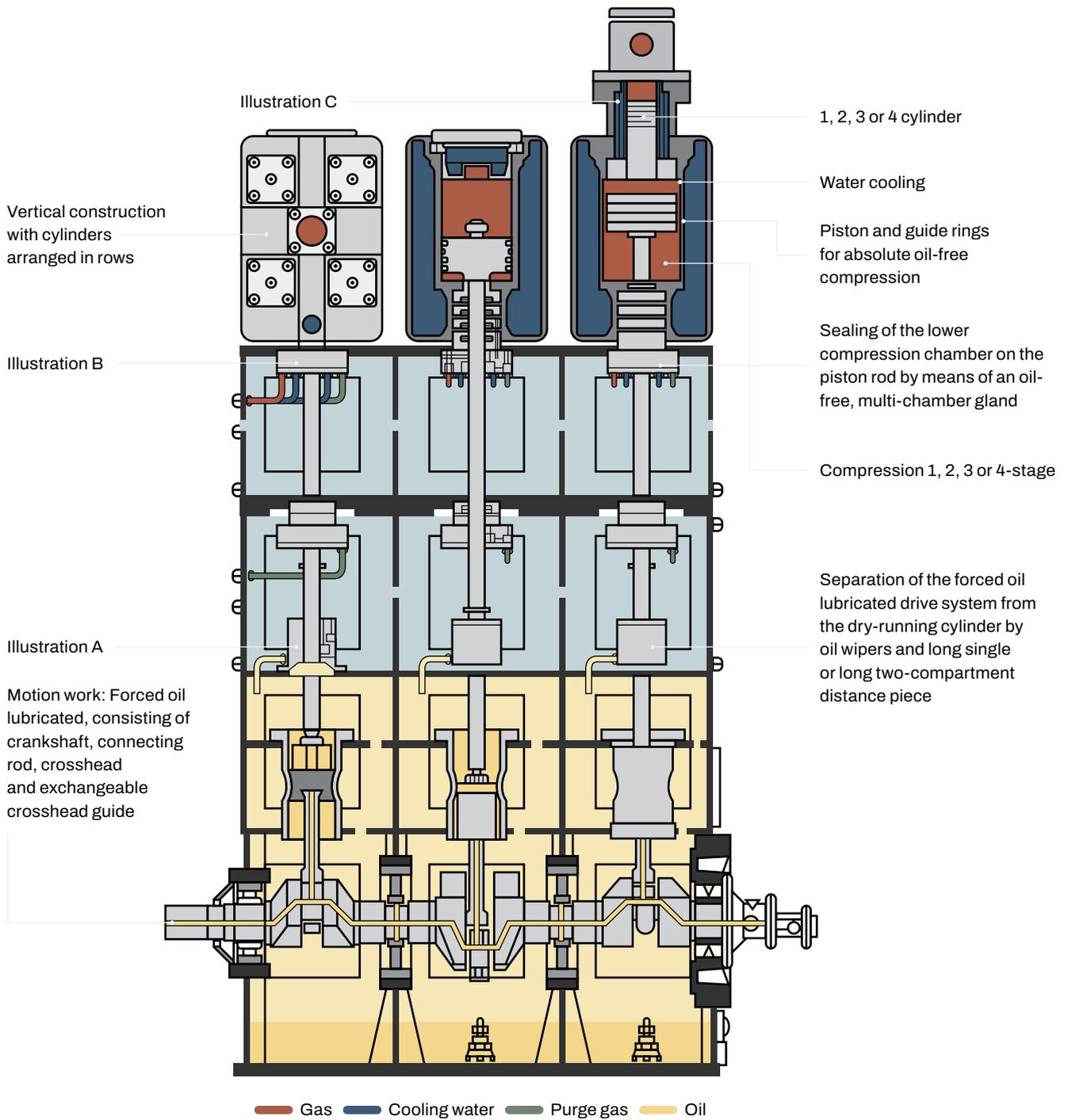
- API 618, ISO 8012, ASME, PED, other on request



TECHNICAL DATA	EXAMPLE
Gas	LNG, LPG, CO ₂ , other on request
Volume flow	430 m ³ Nh – 10.000 m ³ Nh
Inlet pressure	0,5 bar (g) – 18 bar (g)
Final pressure	up to 23 bar (g)
Motor power	90 kW – 132 kW



TECHNICAL DESCRIPTION



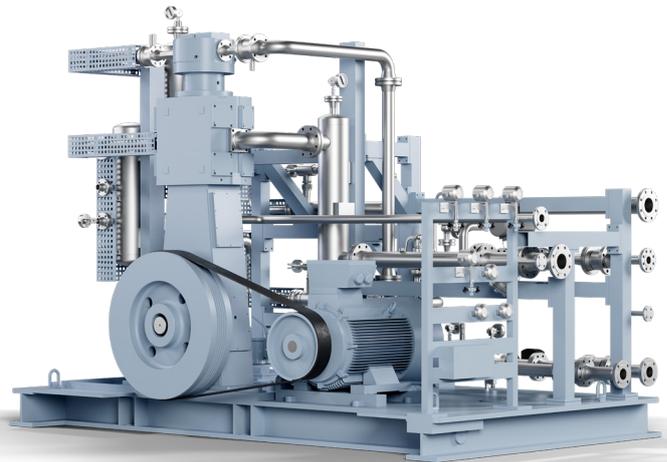
KOHO PACKAGES

LNG BOIL-OFF-GAS COMPRESSOR PACKAGE

Description:

KOHO's LNG boil-off gas compressors are engineered to provide reliable, high-performance compression under the most demanding cryogenic conditions. Designed for marine applications, these reciprocating piston compressors combine robust construction with advanced engineering to ensure safe, efficient, and uninterrupted operation.

The piston-type construction delivers high reliability and availability, while flexible configurations allow both skid-mounted package units and bare-shaft installations.



Specifications:

- **Compressor type:** Reciprocating process gas compressor
- **Design:** Vertical construction
- **Lubrication:** Non-lubricated
- **Compression stages:** Two-stage
- **Suitable gases:** LNG
- **Drive:** Electric motor
- **Cylinder configuration:** Single cylinder with step piston
- **Cooling:** Water-cooled
- **Installation:** Marine applications

Codes & Standards:

- Based on API 618.
- ASME Boiler & Pressure Vessel Code VIII/Div.1
- IEC60079-xx (International Electrical Commission)

Configurations:

Single compressor package

The Boil-Off Gas (BOG) compressor package is a fully assembled, skid-mounted system designed for a compact footprint. This plug-and-play solution ensures quick and seamless installation.

Twin compressor package

Consisting of two identical units mounted on a common skid. This design optimizes space and cost efficiency while providing maximum redundancy and operational reliability – essential for demanding marine applications.

TECHNICAL DATA	EXAMPLE
Gas	LNG Boil-off-Gas
Volume flow	500 - 1400 m ³ /h
Inlet pressure	0,5 – 2,5 bar (g)
Final pressure	14,6 – 18 bar (g)
Motor power	132 kW

