

V-DRIVE SCREW COMPRESSOR







QUALITY AND INNOVATIONS MADE IN GERMANY.

Decades of experience and excellent performance

ALMiG is one of the leading compressed air technology system providers and has decades of experience delivering premium products in the compressed air sector. Companies all around the world trust in our customer focused solutions, our quality, innovation and flexibility. Our advanced compressor technologies combine excellence with the quietest possible running performance, optimal energy efficiency and particularly careful conservation of resources.

Ongoing development and comprehensive industry knowledge

Constant research and development form the essential foundation for the efficiency of every system manufactured by ALMiG. Only these constant enhancements and improvements enable us to react quickly and flexibly to individual customer wishes. This attitude is complemented by a comprehensive understanding of the sector: we understand the challenges that our customers are faced with and the requirements that arise as a consequence. ALMiG offers effective solutions for a wide range of applications – from small craft workshops to medium-sized companies to big industry.

Complete service and maximum availability

The highest quality technological solutions deserve an equally high level of service. The ALMiG service provisions offer our customers a complete service programme: from providing comprehensive advice to ensuring availability, improving cost-effectiveness and developing energy-saving potential. As an expert partner, ALMiG offers its customers advice and support on all issues. Our goal is to contribute to your economic success with our service offerings.

ALMiG: Compressor Systems Made in Germany

Piston compressors

Screw compressors

Turbo compressors

Scroll compressors

Special installations

Controllers

Compressed air treatment

Services

V-DRIVE

Compressor output with high endurance

The V-DRIVE series offer consistently high performance as well as numerous features for particularly reliable, energy-efficient operation and convenient maintenance. There are various useful extensions available for the latest generation of ALMiG screw compressors: an efficient heat recovery system with a constant temperature, an integrated refrigeration dryer which is precisely designed for the delivery volume of the system, as well as the latest controllers to network your entire compressed air station. The system extensions do not affect the footprint of the compressor at all.

Optional integrated refrigeration dryer

In this version, the refrigeration dryer is integrated in the system to save space. The compressor is used to supply the dryer with power, control it and protect it against freezing if operated at "underload". The parameters of the refrigeration dryer are exactly tailored to the respective kW class and the dryer cannot be "bypassed".

Energy-saving speed control

All variants are equipped with energy-saving speed control.

This is where the highly efficient direct drive comes into play: the high-frequency drive motor operates with outstanding efficiency over the entire speed range.

The operating pressure can be adjusted steplessly from 5 to 13 bar. The high-quality frequency inverter is easy to access in the control cubicle – an optimised cooling air guide provides optimum ventilation. Inverters and cables are electro-magnetically shielded.

Heat recovery system

All our systems are designed so that an integrated heat recovery system can be fitted into them – either directly at the factory or as a subsequent retrofit. With this system, the energy consumed for the generation of compressed air can be converted almost entirely to usable heat; for example, as hot water for feeding into heating systems or for heating process water or industrial water. The constant temperature of the heat recovery system ensures reliability.

Reduced service costs

The V-DRIVE screw compressors are very easy to maintain: all components are easily accessible from one side and the large sound-insulating doors are easy to remove. This reduces the maintenance and downtimes to a minimum, and ensures that the service costs are completely manageable.

Application

Industry

Power output

30 kW - 75 kW

Volume flow acc. to ISO 1217
(Annex C-2009)

1.77 - 13.00 m³/min

Operating pressure

5 - 13 bar; stepless settable

Cooling

Air-cooled (standard)
Water-cooled (option)

Drive

Direct and speed-controlled

Motor

Energy efficiency class IE 3; IP 55
protection, protection class F



- + The latest controllers are used to network the entire compressed air station
- + Modular system concept developed for maximum energy efficiency
- + An efficient heat recovery system with a constant temperature
- + An integrated refrigeration dryer which is precisely designed for the delivery volume of the system



Optional heat recovery system

Maintenance-friendly design

Air Control

Smart controller that monitors, visualises and documents

Highly efficient motor-compressor unit

Energy efficiency class IE 3

Base frame

Torsion-resistant

Suitable controllers:

AIR CONTROL B



Standard

AIR CONTROL P



Optional

AIR CONTROL HE



Optional

V-DRIVE



V-DRIVE 30/37

50 Hz

| V-DRIVE | Volume flow acc. to ISO 1217 (Annex C-2009) | | | Rated motor power | Length | Width | Height | Weight |
|---------|--|---------------------|---------------------|----------------------|--------|-------|--------|--------|
| | 8 bar | 10 bar | 13 bar | | | | | |
| Model | m ³ /min | m ³ /min | m ³ /min | kW | mm | mm | mm | kg |
| 30 | 1.84 - 5.16 | 1.81 - 4.62 | 1.77 - 3.88 | 30 | 1702 | 959 | 1635 | 720 |
| 37 | 1.84 - 6.21 | 1.81 - 5.58 | 1.77 - 4.74 | 37 | 1702 | 959 | 1635 | 740 |



V-DRIVE 38-75

| 50 Hz | | | | | | | | |
|---------|--|---------------------|---------------------|-------------------|--------|-------|--------|--------|
| V-DRIVE | Volume flow acc. to ISO 1217 (Annex C-2009) | | | Rated motor power | Length | Width | Height | Weight |
| | 8 bar | 10 bar | 13 bar | | | | | |
| Model | m ³ /min | m ³ /min | m ³ /min | kW | mm | mm | mm | kg |
| 38 | 2.42 - 6.76 | 2.37 - 5.89 | 2.30 - 4.94 | 37 | 1900 | 1100 | 1725 | 1050 |
| 45 | 2.43 - 7.90 | 2.39 - 6.98 | 2.32 - 5.91 | 45 | 1900 | 1100 | 1725 | 1200 |
| 56 | 3.99 - 10.02 | 3.91 - 8.95 | 3.80 - 7.75 | 55 | 2300 | 1380 | 1950 | 1941 |
| 75 | 3.96 - 13.00 | 3.89 - 11.58 | 3.77 - 9.62 | 75 | 2300 | 1380 | 1950 | 2041 |

ALMiG Kompressoren GmbH
Adolf-Ehmann-Straße 2
73257 Köngen, Germany
Tel: +49 (0)7024 9614-0
info@almig.de

www.almig.com

