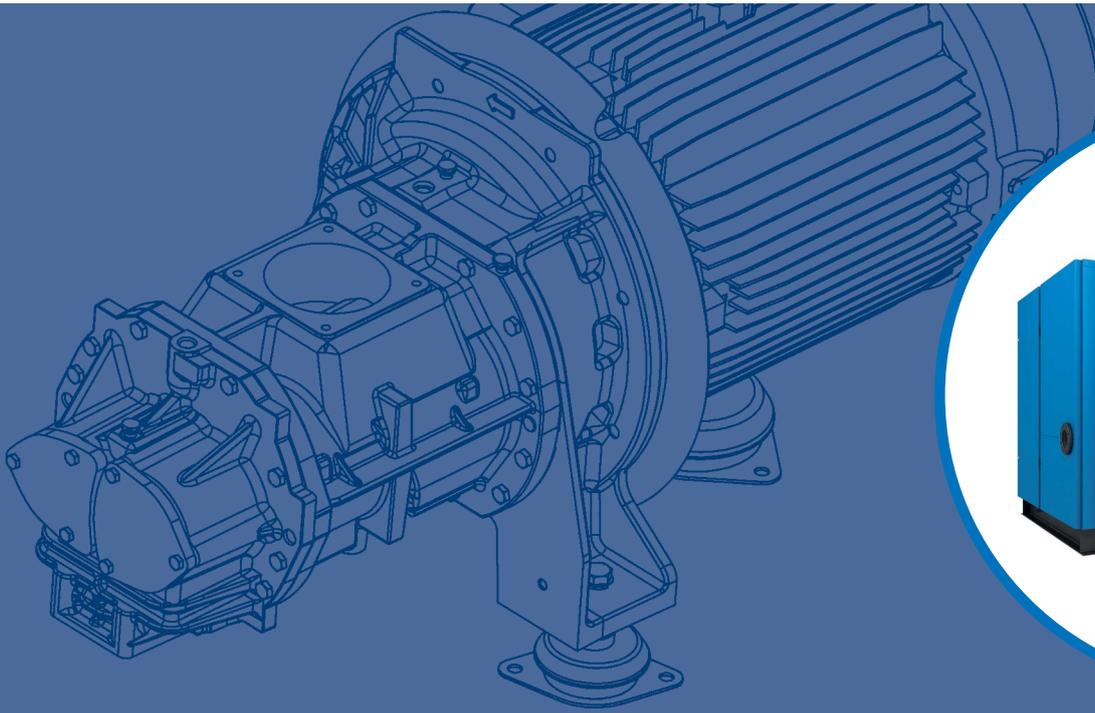


# Largo & Allegro

## Rotary Screw Compressors



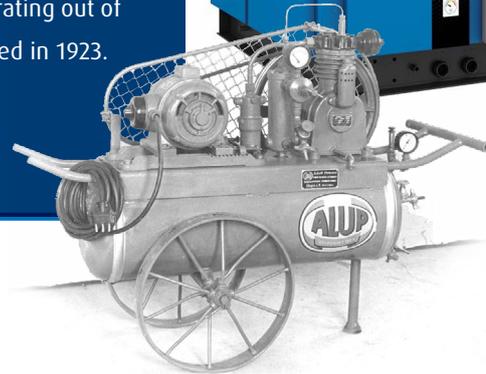
LARGO & ALLEGRO 200-315

**ALUP**  
Kompressoren

## ALUP's heritage

Founded in Germany in 1923, the company derives its name of the automotive products that were manufactured in the Köngen' mechanical workshop where ALUP came into existence: Auto-LUft-Pumpen. Only two years later, the first range of piston compressors was being developed, whilst in 1980 rotary screw compressors were added to the product offer.

Over time, experience grew and innovation prospered, leading to today's high quality product portfolio. As such, the name ALUP Kompressoren has become synonymous with innovative technology blended with a strong sense of tradition. Today, ALUP Kompressoren is still operating out of its home town Köngen, where everything started in 1923.



## Driven by technology Designed by experience

Discover what happens when a passion for technology is fused with hands-on industrial experience. Designs evolve towards more practical installation and maintenance, giving you the freedom to focus on your job. Product ranges include the exact machine you need, with the right options for your performance needs. Return on investment is ensured, while your carbon footprint shrinks. And, because we stay close to our customers, we're one step ahead when your needs change.

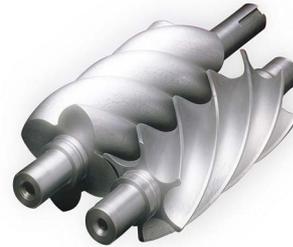
**INNOVATION  
HANDS-ON  
EXPERIENCE  
PEACE OF MIND  
TOTAL COST  
OF OWNERSHIP  
PARTNERSHIP**

## The power of the Largo & Allegro range

*The Largo & Allegro 200-315 screw compressors provide high-quality compressed air for a wide range of industrial applications.*

### Ultimate reliability

- Developed and designed by our global engineering team, assembled in multiple production sites.
- Top quality key components from renowned global suppliers.
- Separate oil and air coolers resulting in less thermal shocks and a longer lifetime.
- Designed for harsh conditions and ambient temperatures up to 46°C.



### Superior efficiency and low life cycle cost

- In-house design compression elements.
- Gear drive transmission.
- IE4 Super Premium Efficiency motor (up to 200kw).
- Integrated inverter option for up to 35% energy savings.
- 75% of energy consumption recoverable with energy recovery option.



### Intelligent control

- Intelligent unload cycle control.
- Precise pressure control.
- Warning indications.
- Graphical indication service plan.
- Additional communication possibilities.

### Great serviceability and high uptime

- Long service intervals for lower maintenance costs and higher uptime.
- Excellent accessibility to service components thanks to multiple service doors.
- Extensive service support.

[www.alup.com](http://www.alup.com)

# 10 reasons to choose Alup

Check out these innovative features and see how they provide you with a compressor that is highly efficient, quiet and easy to maintain.

## 1. Element and drive train

- In-house design compression elements
- Gearbox technology ensuring outstanding efficiency and continued reliability
- Spider coupling reduces vibrations and stress and extends lifetime of compression elements and motor

## 2. High efficiency motors

- IE4 Super Premium Efficiency motor as standard for fixed- and variable speed units
- TEFC IP55 motor (Class F insulation)

## 3. Cooling module

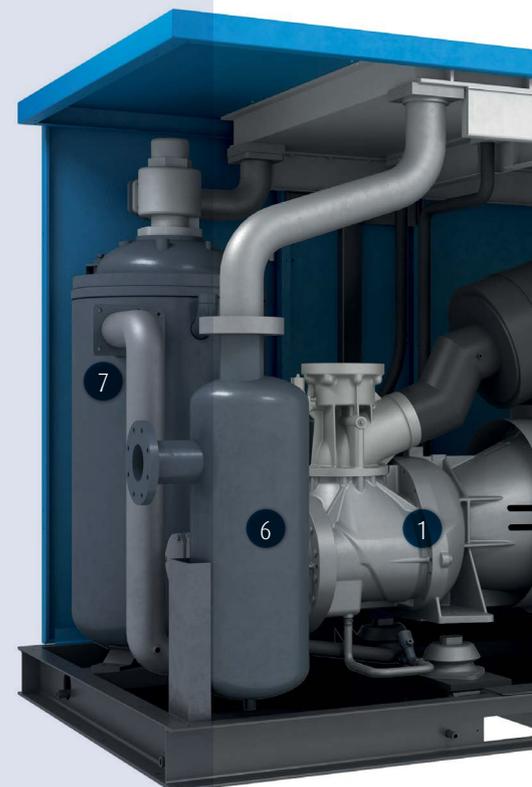
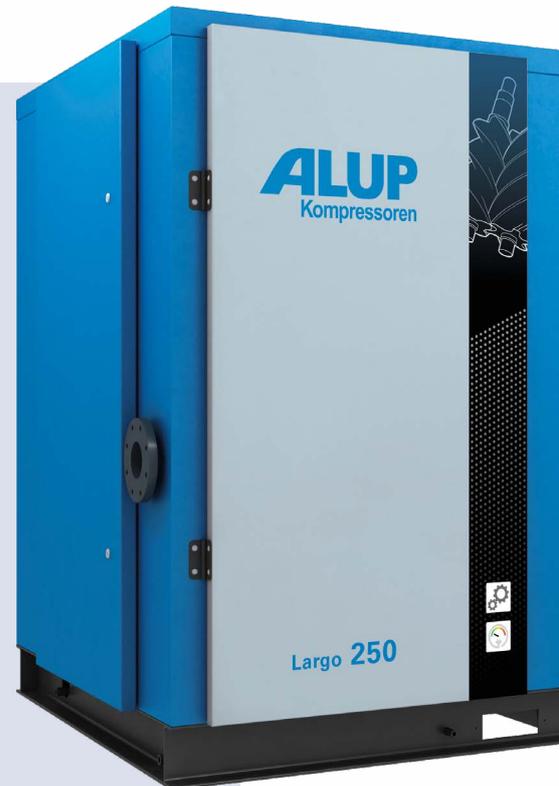
- Separate oil and air cooler for high quality cooling, high reliability and longer lifetime.
- Separate cooling fan enables energy efficiency, low long-term vibrations on the coolers as well as easy cleaning of the coolers.

## 4. Standard enclosed intake filter

- Improved FAD due to air intake positioning.
- High-quality filtration to maximize oil quality and protect your compression element.
- Low noise levels thanks to design and position of filter.

## 5. Intelligent controller

- The full-colour graphic control of the Mk5 Airlogic<sup>1</sup> offers a user-friendly interface to access all the compressor parameters, service notifications and events.
- The various control modes and intelligent algorithms allow the compressor to automatically adapt to demand changes.





## 6. Water separator drain

- Water separator drain as standard to remove excess water and protect downstream equipment.

## 7. In-house designed oil separator vessel

- Integrated minimum pressure valve (MPV) eliminates risk of leakage.
- Long lifetime thanks to cast iron parts.
- Designed for optimal oil separation.

## 8. Separate inverter cubicle

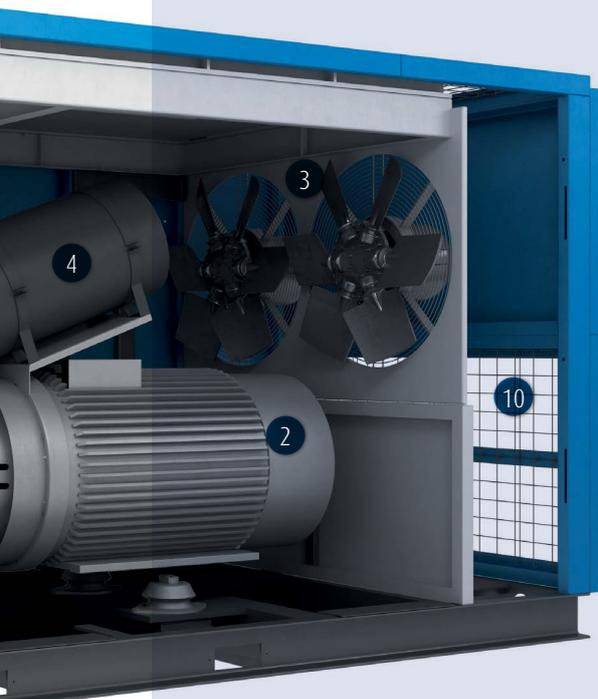
- Optimal cooling ensures a longer lifetime.
- Easy access for maintenance and cleaning.

## 9. Service friendly

- Long lifetime consumables as standard.
- Multiple service doors and easy to reach service components results in quick maintenance, low operating cost and high productivity.

## 10. Improved motor cooling

- Separate cooling flow.
- Suitable for harsh conditions and temperatures up to 46°C.



## Optimize your energy consumption

*Did you know that energy costs represent about 70% of the total operating cost of your compressor over a 5-year period? That's why reducing the energy consumption of your compressed air installation should be a major focus.*

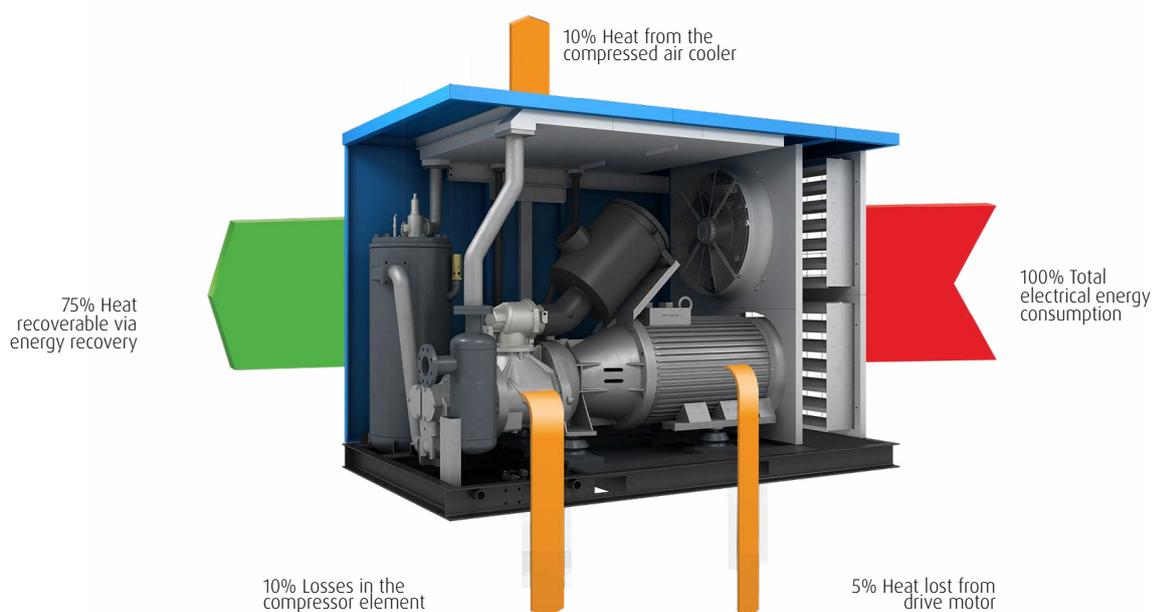
### Variable speed technology

For the right application, variable speed technology, such as on the Allegro variable frequency drive compressor, can cut the energy bill of your compressor by up to 35%. The Allegro reduces energy consumption in the following ways:

- The variable frequency drive compressor matches air supply with demand therefore reducing energy consumption when the demand is lower. If the demand is stable then the Air Control 5.1 guarantees a fixed set pressure.
- No unload cycles above 20% load.
- No peak current due to soft start.

### Energy recovery

*When air is compressed, heat is formed. The excess heat can be captured with an energy recovery option and channeled to other applications allowing you to save energy and cut costs. The energy recovery option integrates a heat exchanger on the oil circuit, which heats up the continuously pressurized water flow. The system is regulated automatically, and in case of limited water cooling capacity, the standard cooling system of the compressor will operate and back up the energy recovery device.*



# Technical data

| Fixed speed version | Max working pressure | Reference working pressure | Free air delivery @ reference conditions* |            |            | Motor power |           | Noise level ** | Weight    | Compressed air output diameter | Dimensions LxWxH   |
|---------------------|----------------------|----------------------------|---|------------|------------|-------------|-----------|----------------|-----------|--------------------------------|--------------------|
|                     |                      |                            | m <sup>3</sup> /h                         | l/s        | cfm        | kW          | hp        |                |           |                                |                    |
| <b>Model</b>        | <b>bar</b>           | <b>bar</b>                 | <b>m<sup>3</sup>/h</b>                    | <b>l/s</b> | <b>cfm</b> | <b>kW</b>   | <b>hp</b> | <b>dB(A)</b>   | <b>kg</b> | <b>"</b>                       | <b>mm</b>          |
| <b>LARGO 200</b>    | 7                    | 7                          | 2056                                      | 571        | 1210       | 200         | 270       | 79             | 3950      | DN100                          | 3525 x 1755 x 2005 |
|                     | 8                    | 8                          | 1987                                      | 552        | 1170       |             |           |                |           |                                |                    |
|                     | 10                   | 10                         | 1818                                      | 505        | 1070       |             |           |                |           |                                |                    |
|                     | 13                   | 13                         | 1616                                      | 449        | 951        |             |           |                |           |                                |                    |
| <b>LARGO 250</b>    | 7                    | 7                          | 2491                                      | 692        | 1466       | 250         | 340       | 80             | 4170      | DN100                          | 3525 x 1755 x 2005 |
|                     | 8                    | 8                          | 2358                                      | 655        | 1388       |             |           |                |           |                                |                    |
|                     | 10                   | 10                         | 2250                                      | 625        | 1324       |             |           |                |           |                                |                    |
|                     | 13                   | 13                         | 1966                                      | 546        | 1157       |             |           |                |           |                                |                    |
| <b>LARGO 201</b>    | 7                    | 7                          | 2351                                      | 653        | 1384       | 200         | 270       | 77             | 5200      | DN125                          | 4800 x 2155 x 2275 |
|                     | 8                    | 8                          | 2203                                      | 612        | 1297       |             |           |                |           |                                |                    |
|                     | 10                   | 10                         | 1998                                      | 555        | 1176       |             |           |                |           |                                |                    |
| <b>LARGO 251</b>    | 7                    | 7                          | 2765                                      | 768        | 1627       | 250         | 340       | 77             | 5350      | DN125                          | 4800 x 2155 x 2275 |
|                     | 8                    | 8                          | 2538                                      | 705        | 1494       |             |           |                |           |                                |                    |
|                     | 10                   | 10                         | 2362                                      | 656        | 1390       |             |           |                |           |                                |                    |
| <b>LARGO 315</b>    | 7                    | 7                          | 3139                                      | 872        | 1848       | 315         | 420       | 78             | 6380      | DN125                          | 5100 x 2155 x 2275 |
|                     | 8                    | 8                          | 3136                                      | 871        | 1845       |             |           |                |           |                                |                    |
|                     | 10                   | 10                         | 2894                                      | 804        | 1704       |             |           |                |           |                                |                    |

| Inverter driven version | Max working pressure | Reference working pressure | Free air delivery @ reference conditions* |            |            | Motor power |           | Noise level ** | Weight    | Compressed air output diameter | Dimensions LxWxH   |
|-------------------------|----------------------|----------------------------|---|------------|------------|-------------|-----------|----------------|-----------|--------------------------------|--------------------|
|                         |                      |                            | m <sup>3</sup> /h                         | l/s        | cfm        | kW          | hp        |                |           |                                |                    |
| <b>Model</b>            | <b>bar</b>           | <b>bar</b>                 | <b>m<sup>3</sup>/h</b>                    | <b>l/s</b> | <b>cfm</b> | <b>kW</b>   | <b>hp</b> | <b>dB(A)</b>   | <b>kg</b> | <b>"</b>                       | <b>mm</b>          |
| <b>ALLEGRO 200</b>      | 7                    | 7                          | 616-2056                                  | 171-571    | 362-1210   | 200         | 270       | 79             | 4320      | DN100                          | 3605 x 2105 x 2020 |
|                         | 8                    | 8                          | 598-1987                                  | 166-552    | 352-1170   |             |           |                |           |                                |                    |
|                         | 10                   | 10                         | 547-1818                                  | 152-505    | 322-1070   |             |           |                |           |                                |                    |
|                         | 13                   | 13                         | 486-1616                                  | 135-449    | 286-951    |             |           |                |           |                                |                    |
| <b>ALLEGRO 250</b>      | 7                    | 7                          | 749-2491                                  | 208-692    | 441-1466   | 250         | 340       | 80             | 4530      | DN100                          | 3605 x 2105 x 2020 |
|                         | 8                    | 8                          | 709-2358                                  | 197-655    | 417-1388   |             |           |                |           |                                |                    |
|                         | 10                   | 10                         | 677-2250                                  | 188-625    | 398-1324   |             |           |                |           |                                |                    |
|                         | 13                   | 13                         | 601-1966                                  | 167-546    | 354-1157   |             |           |                |           |                                |                    |
| <b>ALLEGRO 201</b>      | 7                    | 7                          | 706-2351                                  | 196-653    | 415-1384   | 200         | 270       | 77             | 5550      | DN125                          | 4800 x 2155 x 2275 |
|                         | 8                    | 8                          | 659-2203                                  | 183-612    | 388-1297   |             |           |                |           |                                |                    |
|                         | 10                   | 10                         | 601-1998                                  | 167-555    | 354-1176   |             |           |                |           |                                |                    |
| <b>ALLEGRO 251</b>      | 7                    | 7                          | 828-2765                                  | 230-768    | 487-1627   | 250         | 340       | 77             | 5750      | DN125                          | 4800 x 2155 x 2275 |
|                         | 8                    | 8                          | 763-2538                                  | 212-705    | 449-1494   |             |           |                |           |                                |                    |
|                         | 10                   | 10                         | 709-2362                                  | 197-656    | 417-1390   |             |           |                |           |                                |                    |
| <b>ALLEGRO 315</b>      | 7                    | 7                          | 943-3139                                  | 262-872    | 555-1848   | 315         | 420       | 78             | 6900      | DN125                          | 5100 x 2155 x 2275 |
|                         | 8                    | 8                          | 940-3136                                  | 261-871    | 553-1845   |             |           |                |           |                                |                    |
|                         | 10                   | 10                         | 868-2894                                  | 241-804    | 511-1704   |             |           |                |           |                                |                    |

\*Unit performance measured according to ISO 1217, Annex C, latest edition.

\*\*Noise level measured according to ISO 2151.

All technical data for air-cooled machines, 50hz. For technical data of water-cooled machines, please contact your local salesforce.



# ALUP

Kompressoren

DRIVEN BY TECHNOLOGY DESIGNED BY EXPERIENCE



CONTACT YOUR LOCAL  
ALUP REPRESENTATIVE



Care. Trust. Efficiency.

**Care.**

Care is what service is all about: professional service by knowledgeable people, using high-quality original parts.

**Trust.**

Trust is earned by delivering on our promises of reliable, uninterrupted performance and long equipment lifetime.

**Efficiency.**

Equipment efficiency is ensured by regular maintenance. Efficiency of the service organization is how Original Parts and Service make the difference.

