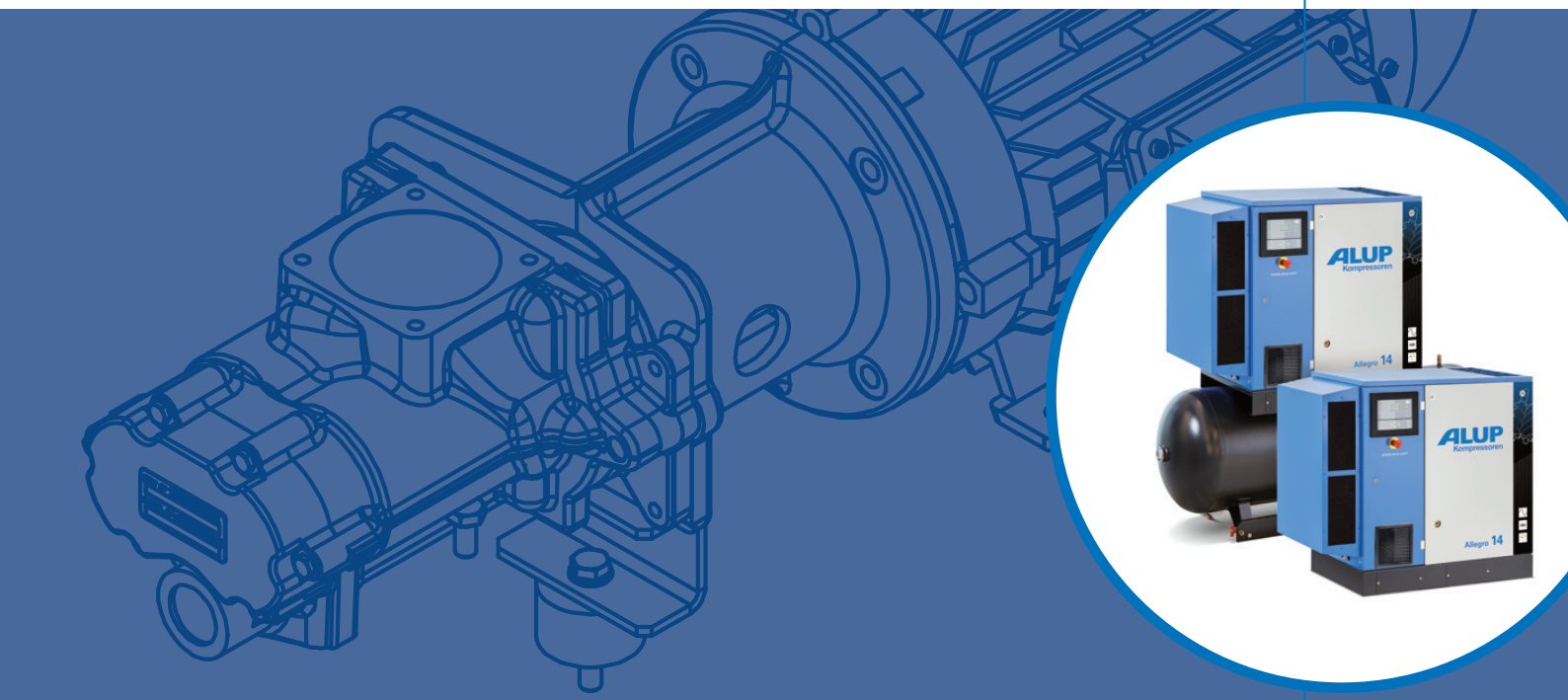
Allegro

Rotary Screw Compressors



ALLEGRO 8-14

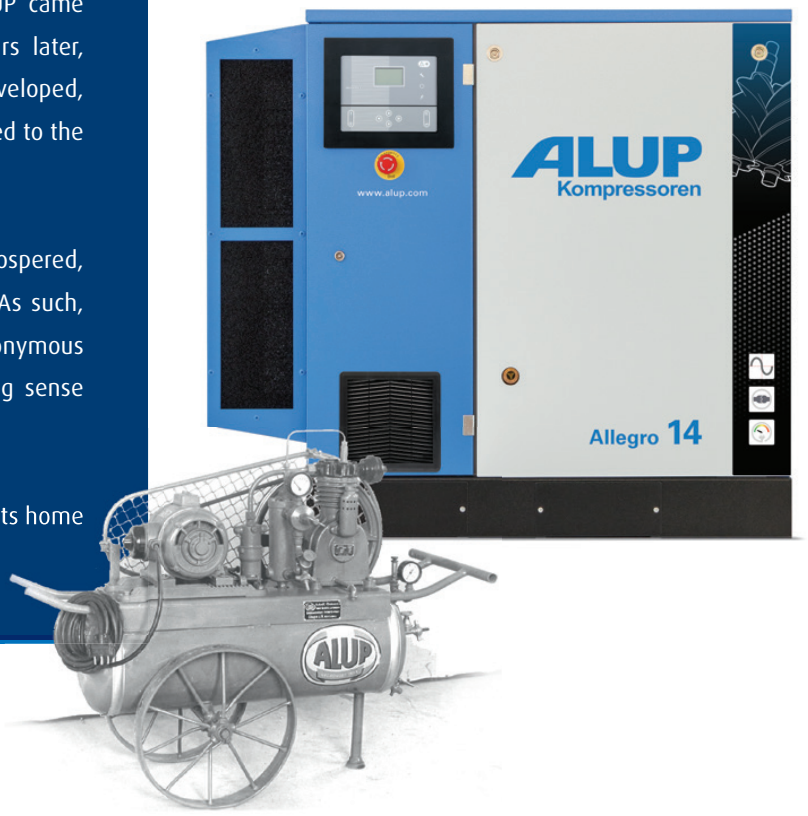
ALUP Kompressoren

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.

The range that meets all your requirements

With the Allegro 8-14 range you obtain an efficient, reliable and complete solution which fits a wide range of compressed air requirements.

A wide offer for you

- Available from 8 to 15 kW.
- Every model can cover a pressure range between 5,5 to 12,5 bar.
- Floor- or tank-mounted with or without integrated dryer.

Direct drive air end

- Up to 15% lower SER, FAD increase of up to 20% compared to previous version.
- Lower energy losses compared to belt or gear applications.
- High efficiency fan motor.

Improved sound installation

- As low as 61 dB(A).
- Compressor can be installed in the workshop.

Easy to install and maintain

- Easy to install thanks to a high variety of configurations and scope of supply.
- Easy to service thanks to the large removable panels.
- Low maintenance costs.

The options you need

- Graphic and integrated central controller.
- Compressed air filter to improve the air quality.
- WSD to protect your dryer from moisture.
- ...and much more to customize your machine!

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The highest standards

The Allegro 8-14 sets a new standard for operational power, quality, operation safety, service life and user comfort.

Improved efficiency

- Highly efficient and well tested air ends (1) combined with direct transmission (2) and the new converter (3) grant SER and FAD improvement up to 20 % versus previous generation.
- Oil separation (4) designed to ensure minimal pressure drop and oil carry over of less than 3 ppm.

Compact design

- Tank-mounted solution to save space (5).
- Oversized integrated refrigerant dryer (6) simplifies your installation and ensures high quality compressed air.
- The WSD (7) combined with floating zero loss drain allows the removal of condensate without wasting compressed air resulting in significant energy savings.

User comfort

- Very low noise level allows installation of the machine close to the workplace.
- Easy oil level check (8) via external oil level sight glass.
- Smooth serviceability possible due to easily removable panels.
- Easy to move and position thanks to forklift lifting points (9).

At your service, also in very harsh conditions

- Efficient filtration (10).
- Generous electric fan (11).
- Very big vertical cooler (12) ensuring the best cooling flow to work up to 46°C ambient temperature.

Personalised for you

The Allegro 8-14 is available floor-mounted, tank-mounted and tank-mounted with dryer. Air receiver capacities are 270 and 500 lt. A wide range of options enables you to get the most out of your Allegro compressor.

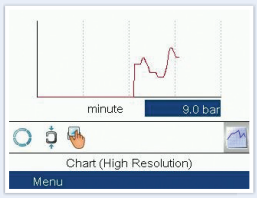
Air quality

Internal water separator with automatic drain (7) removes up to 90% of the compressed air moisture (standard with dryers).

Line filter for oil and dust removal down to 0.1 ppm (optional for units with integrated dryer).

Connectivity

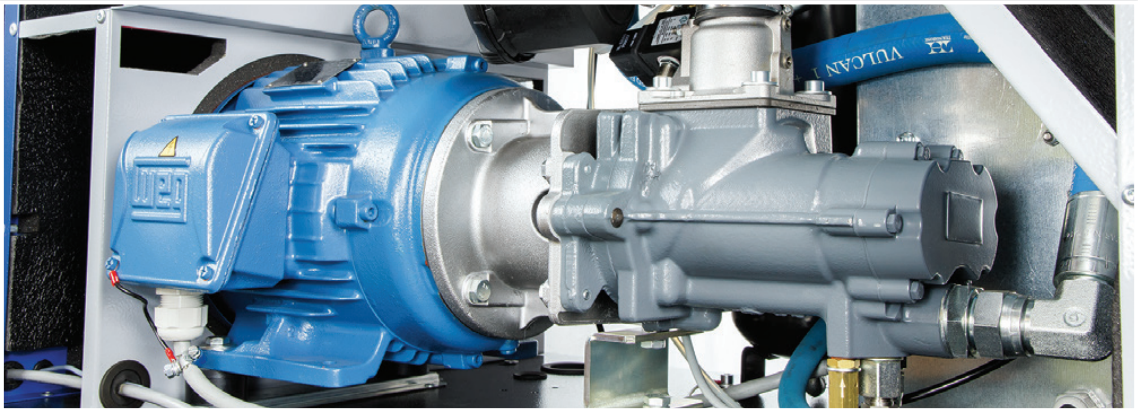
Econtrol 4/6 i, available for Aircontrol 5.1 (see next page): for compressor room management, hours equalization and further energy saving thanks to working pressure reduction.



For further information on how our options can optimize your operations, please contact your local representative.

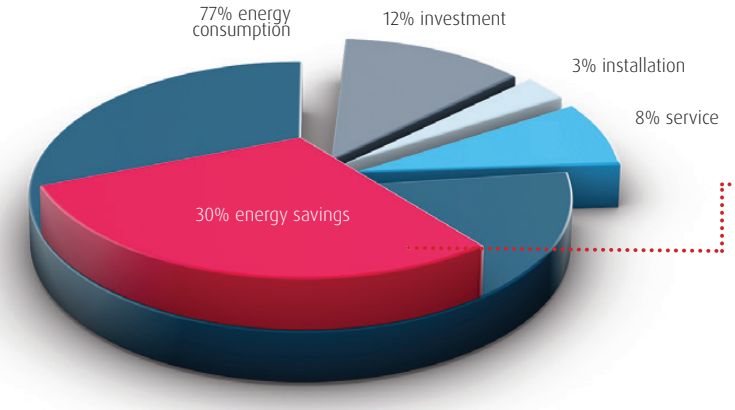
How to optimize your energy consumption

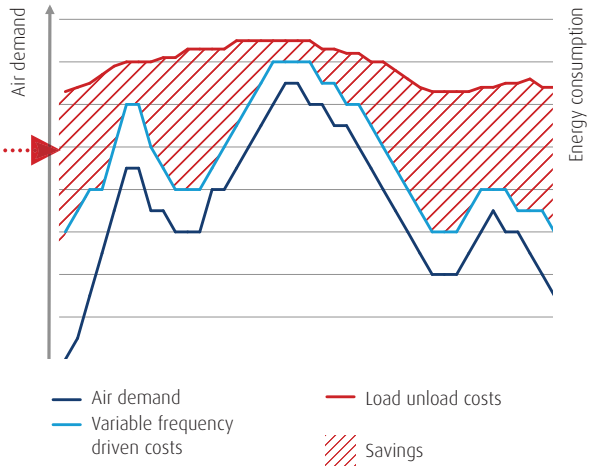
Energy costs represent about 70% of the total operating cost of your compressor over a 5-year period. That is why reducing the operating cost of a compressed air solution is a major focus. For the right application, variable speed technology can cut the energy bill of your compressor by up to 30%.

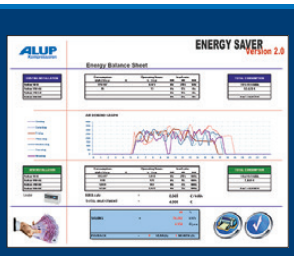


Variable speed technology reduces energy consumption in the following ways:

- 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 controller guarantees a fixed set pressure.
- No unload cycles above 20% load.
- No peak current due to soft start.







Energy audit

To optimize your energy efficiency, you need to select the right compressor. Contact your local ALUP Kompressoren representative and we will perform a simulation based on your parameters to help you get the perfect compressed air solution.

Always in control with Air Control 5.0 and 5.1

Air Control 5.0 (standard)

- Icon based display action
- Led status visualization.
- Digital I/O.
- Remote start stop, load-unload, emergency stop.
- Automatic restart after a power failure.
- Service indicator and fault management provide comprehensive messages to ease service diagnostics.
- Visualization through web browser using a simple Ethernet connection.

Air Control 5.1 (optional)

The Air Control 5.1 takes your control to the next level, offering additional functionalities:

- User-friendly graphic screens, data logging and storage on a memory card.
- Stop/start timers do not rely on the operator's action to save energy, but program the Air Control 5.1 controller to operate as your factory operates.
- Dual pressure band time scheduling for operation with different pressure bands, leading to energy savings.

Technical specifications

VARIABLE SPEED VERSION	Min. working pressure		Max. working pressure		Free Air Delivery at reference conditions										Motor power		Noise level
					Min FAD		Max FAD										
					m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm			
Model	bar	psi	bar	psi	7 bar		5 bar		7 bar		9,5 bar		12,5 bar		kW	hp	dB (A)
Allegro 8	5,5	80	12,5	181	16,6	9,6	77	44,7	75	43,5	64,8	37,6	51	29,6	8	10	62
Allegro 11	5,5	80	12,5	181	16,6	9,4	114	66,2	111,6	64,8	90	52,3	73,8	42,9	11	15	63
Allegro 14	5,5	80	12,5	181	16,6	9,2	140	81,3	135,7	78,8	113,8	66,1	85,3	49,5	15	20	64

	Dimensions [mm]			Weight [kg]		
	Length	Width	Height	Allegro 8	Allegro 11	Allegro 14
FM	1165	655	1045	257	271	290
FM + dryer	1585	655	1045	292	321	340
TM 270 l	1535	655	1535	317	331	350
TM 270 l + dryer	1655	655	1550	352	381	400
TM 500 l	1935	655	1665	417	431	450
TM 500 l + dryer	1935	655	1680	452	481	500

ALUP Kompressoren

DRIVEN BY TECHNOLOGY DESIGNED BY EXPERIENCE

CONTACT YOUR LOCAL ALUP KOMPRESSOREN REPRESENTATIVE

ORIGINAL PART

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.

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