ALUP Kompressoren

BECAUSE IMPROVEMENT NEVER STOPS

LARGO 110-160
ALLEGRO 110-160
EVOLUTO 110-160
OIL-INJECTED SCREW COMPRESSORS

www.alup.com

Your production system is like a human body. Compressed air is the lifeblood that keeps everything moving. And the compressor is the heart that gets the air to where it is needed. The ALUP Largo, Allegro and Evoluto 110-160 kW never miss a beat, producing the quality air that keeps your production going with maximum efficiency.

OPTIMIZED TOTAL COST OF OWNERSHIP

- Lower energy costs thanks to in-house designed, high-efficiency screw element.
- Up to 45% energy savings with the Evoluto's IE4 iPM motor.
- The Evoluto comes with integrated direct drive transmission for minimal losses.
- Monitor and optimize your compressor remotely with ICONS.

INCREASED UPTIME

- Reliable operation, even when your compressor room reaches 46°C.
- The inverter's electrical cubicle can withstand up to 55°C.
- The IP66-enclosed drive train ensures dependable performance in dusty and humid conditions.
- Advanced Airlogic²T touchscreen controller maximizes performance and efficiency.
- Service packages can be customized to your needs and preferences.

A CHOICE OF 3 MODELS

LARGO FIXED-SPEED

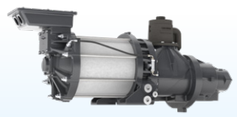
- Up to +5% Free Air Delivery compared to the previous fixed-speed model.
- Reliable performance, even in tough conditions.
- Save up to €55,000 in Total Cost of Ownership (versus market average).*

+ TCO SAVINGS
PERFORMANCE

ALLEGRO VARIABLE SPEED

- +5% Free Air Delivery compared to the previous VSD model.
- Energy savings of up to 30%.
- Improved Specific Energy Requirement.
- Save up to €60,000 in Total Cost of Ownership (versus fixed-speed).*

+ TCO SAVINGS
PERFORMANCE
SERVICEABILITY
LIFETIME



EVOLUTO iPM

- +10% Free Air Delivery compared to the previous VSD model.
- Energy savings of up to 45%.
- iPM motor equals IE4 standards.
- Save up to €80,000 in Total Cost of Ownership (versus fixed-speed).*

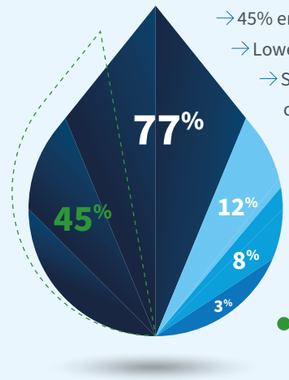
** Ask us to calculate your Total Cost of Ownership and how much you can save!*

EXPECT THE BEST

iPM FOR MAJOR ENERGY SAVINGS

Generating compressed air requires a lot of energy. In fact, energy takes up more than 70% of the cost of owning and operating a compressor. ALUP's iPM technology was developed to give you significant energy savings and contribute to a more sustainable production. While traditional compressors only have one speed (100% on), iPM compressors adjust their motor speed to follow the fluctuating air demand that most production environments have. As a result, the Evoluto delivers up to 45% energy savings.

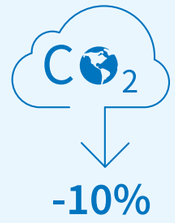
LOWEST TOTAL COST OF OWNERSHIP



→45% energy savings
→Lowest TCO on the market
→Save up to €35,000 over five years compared to VSD compressors currently on the market.

A GREENER PRODUCTION WITH LOWER EMISSIONS

The Evoluto 110-160's superior energy efficiency not only contributes to your bottom line, it also supports your transition to a green production. Compared to older fixed-speed models, the iPM compressor lowers CO_2 emissions by 10% to significantly reduce your carbon footprint.

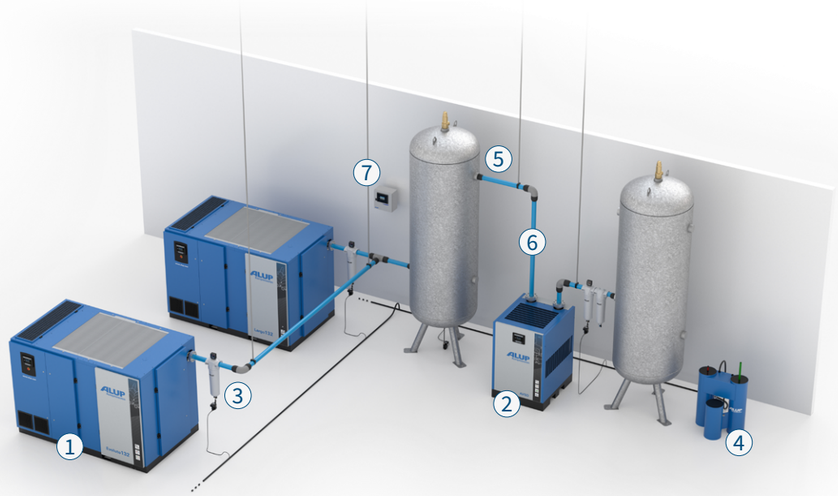


ECOntrol6

ENHANCE YOUR AIR SYSTEM PERFORMANCE WITH THE ECONTROL6

Are you operating multiple compressors? Ensure the lowest Total Cost of Ownership and synchronize your machines with the ECOntrol6 central controller solution:

- Generate energy savings by narrowing the operating pressure band.
- Save on maintenance costs and equalize the running hours of your compressors.
- Monitor and control all compressors from one single touchscreen display.
- Optimize your compressors' performance by operating different control schemes.
- Control compressors of all types and brands.



TIP: *Combine the iPM Evoluto with a VSD refrigerant dryer for maximum energy savings.*

ONE SOURCE FOR ALL YOUR AIR NEEDS

ALUP stands ready to meet all of your compressed air needs: From the ① compressor itself, to ② air dryers and ③ line filters, ④ oil-water separators, ⑤ air receiver buffer storage, ⑥ our own easy-to-install AIRnet piping system, ⑦ and a central controller to manage the entire system.

ICONS

INCREASED UPTIME, POWERED BY ICONS

With the Intelligent CONnectivity System (ICONS), you get data and insights from your machines delivered to your computer, tablet or smartphone.

- Increase the reliability of your machine by identifying problems before they become a threat to the continuity of your production.
- Analyze and optimize your energy consumption and CO_2 emissions.
- Receive high-quality energy reports ensuring the ISO50001 compliance of your site.

WARRANTY SERVICE PACKAGE

With a Warranty Service Package, all your maintenance needs are fully covered for up to 5 years. We take care of all routine and non-routine services, so you can focus 100% on your core business.

Enjoy **full warranty coverage** up to 5 years including expert on-time service or repairs, preventive maintenance, original parts and periodic upgrades.

With a **fixed Total Cost of Ownership**, you have complete control over your maintenance budget.

We protect your investment by using **high-quality original parts** that are specifically designed for your compressed air system and guarantee higher **energy efficiency** and a longer lifetime of your installation.

Service packages can be customized and tailored according to your needs. Your local authorized service provider will be happy to provide you with more information.

UNDER THE HOOD OF THE LARGO, ALLEGRO AND EVOLUTO

MORE ABOUT THE LARGO, ALLEGRO AND EVOLUTO!

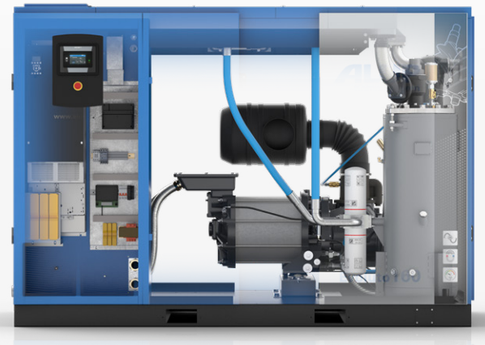
IN-HOUSE DESIGNED IE4 SUPER PREMIUM EFFICIENCY INTERIOR PERMANENT MAGNET (IPM) MOTOR: Maintenance free; includes innovative oil-cooling technology for optimal performance in up to 46°C.

INVERTER: Electrical cubicle can withstand up to 55°C.

ALL-NEW COMPRESSION ELEMENT: Gives you improved Free Air Delivery and Specific Energy Requirement.

DRIVE TRAIN: IP66-rated for complete protection from dust and moisture.

NEW UNLOADER & INLET VALVE: Optimizes inlet flow to the screw element and offers a 20% reduction in service time.



A RANGE OF OPTIONS

- → INTEGRATED ENERGY RECOVERY
- → ELECTRONIC WATER DRAIN
- → 8000-HOUR PREMIUM SYNTHETIC OIL
- → HEAVY DUTY PRE-FILTRATION
- → FOOD-GRADE OIL
- → WATER-COOLED VERSION
- → FREEZE PROTECTION

CONNECTED 24/7

The Airlogic²T controller features a large 4.3" color touchscreen display with 30+ languages, full control and system insights at your fingertips:

→ Warning indications → Service schedule indication

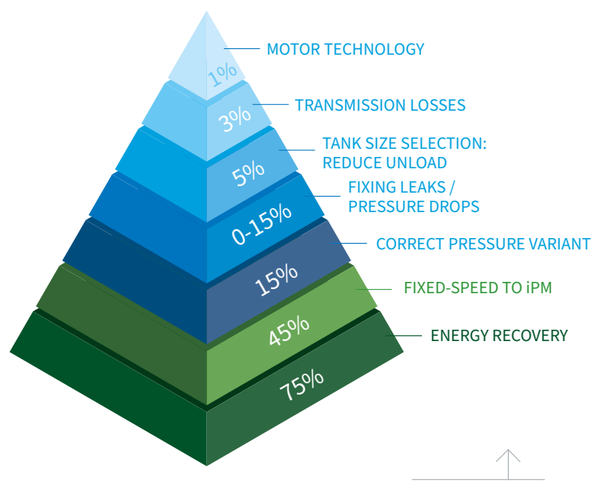
→ Online visualization of running conditions

MAXIMIZE YOUR ENERGY SAVINGS

When you take a comprehensive look at your compressed air system, opportunities for energy savings surface. Among these options, energy recovery will make the biggest impact.

When air is compressed, heat is formed. This excess heat is then dissipated to ensure that the compressor does not overheat and that the compressed air is cool enough when it reaches its destination. However, this heat can be captured with energy recovery technology and used for applications such as water or space heating, industrial cleaning and sanitary facilities.
As up to 75% of compression heat can be recovered, an energy recovery system will help you save big on energy and cut costs.

HEAT RECOVERY IS THE BEST WAY TO REDUCE YOUR ENERGY COSTS.



TECHNICAL SPECIFICATIONS

LARGO 110-160

		FAD			Motor Power		Noise	Weight	Dimensions		
Model	**Max Working Pressure**	m³/h	l/s	cfm	kw	hp	Db	kg	Length	Width	Height
LARGO 110	7	1299.6	361.0	764.9	110	150	77	3140	2874	1754	1982
	8.5	1161.3	322.6	683.5							
	10	1066.6	296.3	627.8							
	13	906.8	251.9	533.7							
LARGO 132	7	1546.1	429.5	909.9	132	180	77	3180			
	8.5	1425.6	396.0	839.0							
	10	1296.6	360.2	763.1							
	13	1087.2	302.0	639.9							
LARGO 160	7	1718.7	477.4	1011.6	160	220	78	3440			
	8.5	1628.3	452.3	958.3							
	10	1501.2	417.0	883.5							
	13	1257.1	349.2	739.9							

Unit performance measured according to ISO 1217, Annex C, latest edition.
Noise level measured according to ISO 2151 with optional baffle.

ALLEGRO 110-160

		7	7	7	8.5	8.5	8.5	10	10	10							
		Max FAD									Motor Power		Noise	Weight	Dimensions		
Model	**Working Pressure**	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm	kw	hp	Db	kg	Length	Width	Height
ALLEGRO 110	4-10 bar	1415	393.0	833	1270	352.8	748	1161	322.4	683	110	150	77	3320	2874	1754	1982
ALLEGRO 132		1529	424.8	900	1496	415.5	880	1376	382.2	810	132	180	77	3420			
ALLEGRO 160		1806	501.8	1063	1663	462.0	979	1528	424.5	900	160	220	78	3640			

EVOLUTO 110-160

EVOLUTO 110	4-10 bar	1415	393.0	833	1282	356.2	755	1194	331.5	702	110	150	77	2510	2874	1754	1982
EVOLUTO 132		1675	465.4	986	1534	426.2	903	1436	399.0	845	132	180	77	2560			
EVOLUTO 160		1987	551.8	1169	1832	509.0	1078	1737	482.6	1022	160	220	78	2650			

Unit performance measured according to ISO 1217, Annex E, latest edition.
Noise level measured according to ISO 2151 with optional baffle.

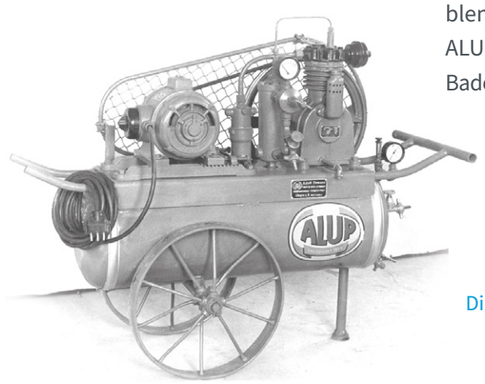
All technical data for air-cooled machines without integrated dryer.
For technical data of water-cooled machines or machines with integrated dryer, please contact your local salesforce.

REQUEST YOUR QUOTATION!

ALUP'S HERITAGE

Founded in Germany in 1923, ALUP derives its name from the automotive products that were manufactured in the mechanical workshop in Köngen where the company came into existence: Auto-Luft-Pumpen. ALUP developed its first piston compressor just two years later. In 1980, rotary screw compressors were added to its product range.

The experience and expertise the company gained each year, coupled with a spirit of innovation, has led to today's high-quality product offer. The name ALUP Kompressoren has become synonymous with innovative technology blended with a strong sense of tradition. To this day, ALUP Kompressoren is operating out of the heart of Baden-Württemberg, where it all began nearly a century ago.



DRIVEN BY TECHNOLOGY, DESIGNED BY EXPERIENCE

Discover what happens when passion for technology meets hands-on industrial experience: Designs that are easier to install and maintain, allowing you to focus on your job. Our extensive product range features the right machine for you – including the options that meet your performance requirements perfectly. High energy efficiency ensures return on investment and reduces your carbon footprint. And, because customer proximity is one of our hallmarks, you will always be one step ahead when your needs change.

1923 Founded in Germany

1925 First piston compressor

1980 First rotary screw compressors

today Innovative technology

Contact your local ALUP Kompressoren representative

6999640510

ORIGINAL PART

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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