ALUP Kompressoren

BECAUSE IMPROVEMENT NEVER STOPS

LARGO, ALLEGRO & EVOLUTO 30-45
OIL-INJECTED SCREW COMPRESSORS

www.alup.com

Your compressor powers your entire production, or at least a significant part. You simply can't afford an air system that doesn't work for you. ALUP's 30-45 kW Largo, Allegro and brand-new Evoluto deliver the reliable and cost-efficient performance that will give you that necessary peace of mind. Thanks to the Evoluto's iPM technology, you even enjoy unrivaled energy savings. Compact and quiet, an ALUP 30-45 kW compressor will be the undemanding, yet powerful heart of your compressor room for years to come.

SUPERIOR BUILD

- Updated, small footprint to save space and reduce noise levels.
- Reliable operation, even in ambient temperatures of up to 46°C.
- The IP66-enclosed drive train provides dependable performance in dusty and humid conditions.
- Maintenance-free components ensure higher uptime and productivity.
- iPM direct drive guarantees premium reliability.

LOW COST OF OWNERSHIP

- On average 30% smaller footprint than most competitors.
- Up to 45% energy savings with the Evoluto's IE4 iPM motor.
- Integrated direct drive transmission allows for minimal losses.
- Advanced Airlogic²T touchscreen controller maximizes performance and efficiency.

A COMPLETE OFFER

LARGO 31-45 FIXED-SPEED

- On average 30% smaller footprint than most competitors
- Gear drive contributes to high reliability in tough conditions
- Ideal workhorse for compressor rooms with long duty cycle operation

+ TCO* SAVINGS

PERFORMANCE

ALLEGRO 31-45 VARIABLE SPEED

- Direct drive (30 kW) and gear drive (37-45 kW) ensure slip-free and reliable VSD operation
- Energy savings of up to 35%
- High IP cubicle rating for reliable operation in tough conditions
- Payback within 2 years for upgrade from fixed-speed to VSD

+ TCO* SAVINGS

PERFORMANCE

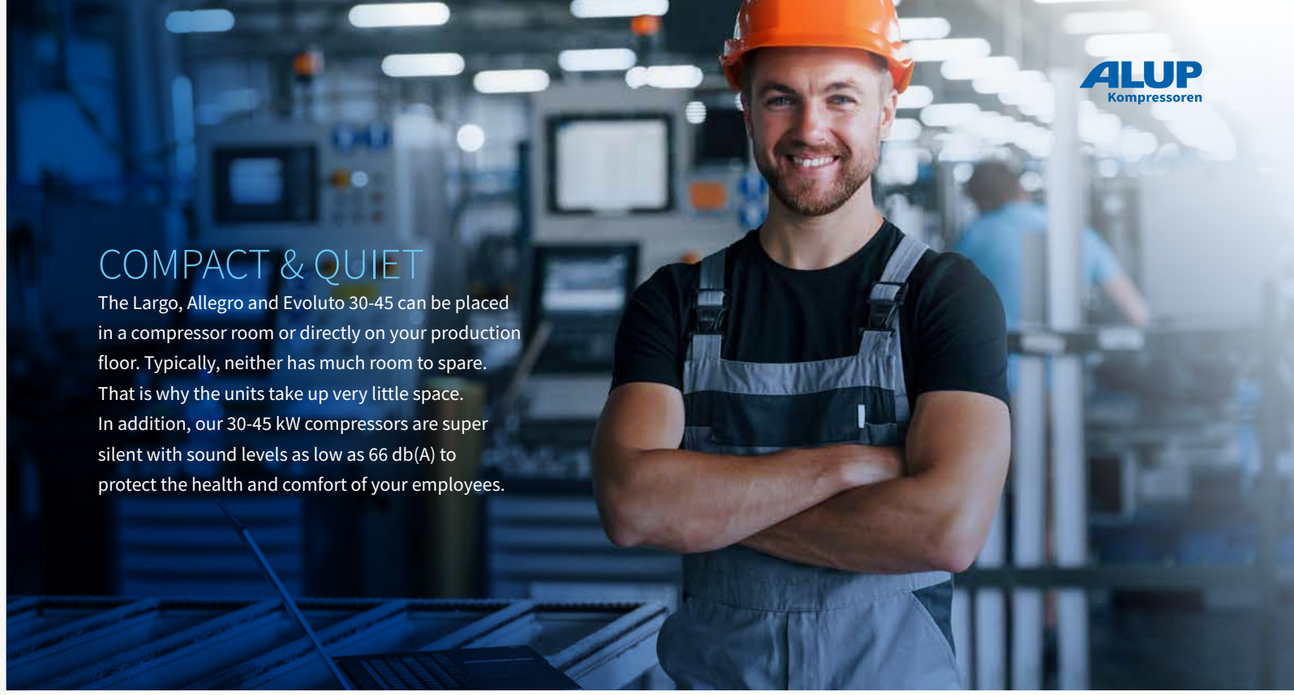
SERVICEABILITY

LIFETIME

EVOLUTO 30-37 iPM

- Oil-cooled iPM drive train for high performance cooling and best-in-class performance
- Energy savings of up to 45%
- iPM motor equals IE4 standards
- Payback within 1-2 years for upgrade from fixed-speed to iPM

** Total Cost of Ownership.*



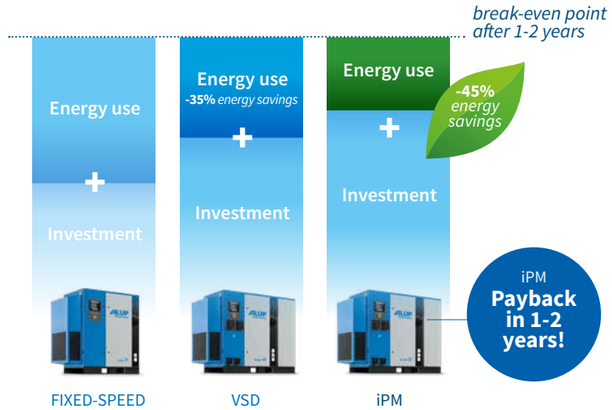
COMPACT & QUIET

The Largo, Allegro and Evoluto 30-45 can be placed in a compressor room or directly on your production floor. Typically, neither has much room to spare. That is why the units take up very little space. In addition, our 30-45 kW compressors are super silent with sound levels as low as 66 db(A) to protect the health and comfort of your employees.

iPM FOR MAJOR ENERGY SAVINGS

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. 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 30-37 delivers up to 45% energy savings. That means you can earn back your choice for the Evoluto in just one to two years. How's that for a financial no-brainer?

PAYBACK IN 1-2 YEARS



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.

ADVANCED TECHNOLOGY FOR BEST-IN-CLASS PERFORMANCE

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

IN-HOUSE DESIGNED COMPRESSION ELEMENT: Gives you best-in-class Free Air Delivery and Specific Energy Requirement.

IP54 ELECTRICAL CUBICLE: Can withstand up to 60°C and is IP54 protected.

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

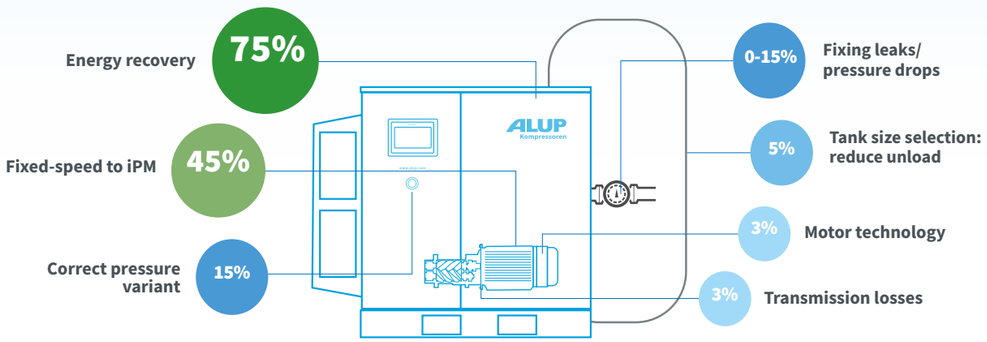
RADIAL FAN: Gives you improved pressure build-up and quiet operation.

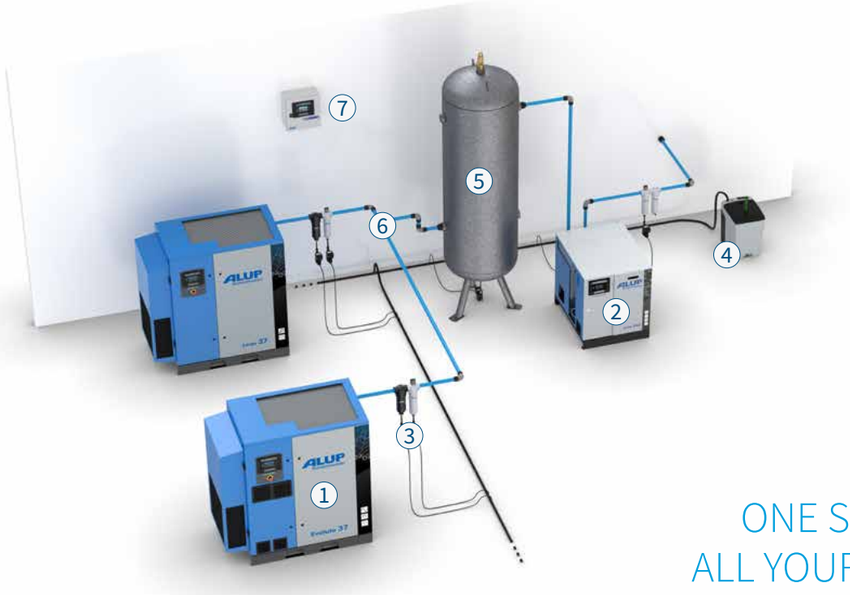
A RANGE OF OPTIONS

- INTEGRATED ENERGY RECOVERY
- IE4 FIXED-SPEED MOTOR
- 8000-HOUR PREMIUM SYNTHETIC OIL
- FOOD-GRADE OIL
- FREEZE PROTECTION
- WSD & ELECTRONIC WATER DRAIN
- HEAVY-DUTY PRE-FILTRATION
- ECO6i

MISSION POSSIBLE: ENERGY EFFICIENCY

Energy constitutes by far the biggest cost of owning and operating a compressor. Luckily, there are many options to minimize the energy consumption of your air system. Technologies such as energy recovery can have a huge impact on your bottom line and your environmental footprint, with energy savings of up to 75%. A holistic view of your compressed air system is key. It starts with the selection of efficient technologies when buying your compressor. But it doesn't end there. Monitoring and analyzing your air system as you use it will often reveal optimization opportunities. Your ALUP representative can help you find those 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, and ⑦ a central controller to manage the entire system.

STATE-OF-THE-ART MONITORING, CONTROL & CONNECTIVITY

How do you get the most out of your Largo, Allegro and Evoluto 30-45? It's all about monitoring, control and connectivity. The state-of-the-art Airlogic²T touchscreen controller gives you on-screen and remote insight into the performance of your compressor so you can optimize its efficiency, reliability and lifetime:

- LARGE 4.3" FULL-COLOR TOUCHSCREEN DISPLAY
- 30+ LANGUAGES
- WARNING INDICATIONS AND SHUTDOWN ALARMS
- SERVICE STATUS AND SCHEDULE INDICATION
- ONLINE VISUALIZATION OF RUNNING CONDITIONS
- COMPRESSOR DATA ANALYSIS

ENHANCE YOUR AIR SYSTEM PERFORMANCE WITH THE ECONTROL6i

Are you operating multiple compressors? The Largo, Allegro and Evoluto 30-45 can be optionally equipped with the **ECOntrol6i** central controller to synchronize your different units. The result: a smooth running air system with a low Total Cost of Ownership.

- 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.

TECHNICAL SPECIFICATIONS

REQUEST YOUR QUOTATION!

LARGO 31-45

Model	Max. working pressure	Reference working pressure	Free Air Delivery @ reference conditions*			Motor power		Noise level ***	Cooling air flow	Weight	
										PACK	FF
	bar	bar	m³/h	l/s	cfm	kW	hp	db(A)	m³/h	kg	
LARGO 31	7.5	7.0	350	97.1	206	30	40	66	4900	553	663
	8.5	8.0	321	89.3	189						
	10	9.5	296	82.1	174						
	13	12.5	265	73.7	156						
LARGO 37	7.5	7.0	421	117.0	248	37	50	68	5000	654	764
	8.5	8.0	405	112.6	239						
	10	9.5	365	101.5	215						
	13	12.5	320	88.9	188						
LARGO 45	7.5	7.0	491	136.3	289	45	60	70	7950	669	787
	8.5	8.0	455	126.5	268						
	10	9.5	419	116.4	246						
	13	12.5	377	104.8	222						

ALLEGRO 31-45

Model	Min. working pressure	Reference working pressure	Motor power		Min. FAD**		Free Air Delivery @ reference conditions**				Max. FAD**		Noise level ***	Cooling air flow	Weight	
					7 bar		7 bar		9.5 bar		12.5 bar				PACK	FF
	bar	bar	kW	hp	m³/h	l/s	m³/h	l/s	m³/h	l/s	m³/h	l/s	db(A)	m³/h	kg	
ALLEGRO 31	4	13	30	40	65	18	335	93	295	82	248	69	66	4900	528	638
ALLEGRO 37	4	13	37	50	115	32	410	114	364	101	281	78	68	5000	678	788
ALLEGRO 45	4	13	45	60	115	32	486	135	425	118	371	103	70	7950	708	815

EVOLUTO 30-37

Model	Min. working pressure	Reference working pressure	Motor power		Min. FAD**		Free Air Delivery @ reference conditions**				Max. FAD**		Noise level ***	Cooling air flow	Weight	
					7 bar		7 bar		9.5 bar		12.5 bar				PACK	FF
	bar	bar	kW	hp	m³/h	l/s	m³/h	l/s	m³/h	l/s	m³/h	l/s	db(A)	m³/h	kg	
EVOLUTO 30	4	13	30	40	51	14.1	356	98.9	305	84.8	251	69.6	66	4900	503	621
EVOLUTO 37	4	13	37	50	95	26.4	428	119	377	104.6	303	84.3	68	7750	537	655

* Unit performance measured according to ISO 1217, Annex C, latest edition
** Unit performance measured according to ISO 1217, Annex E, latest edition
*** Noise level measured according to ISO 2151 2004.

DIMENSIONS

	Length	Width	Height
	mm	mm	mm
Pack	1555	830	1555
FF	2030	830	1555

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

6999640570

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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