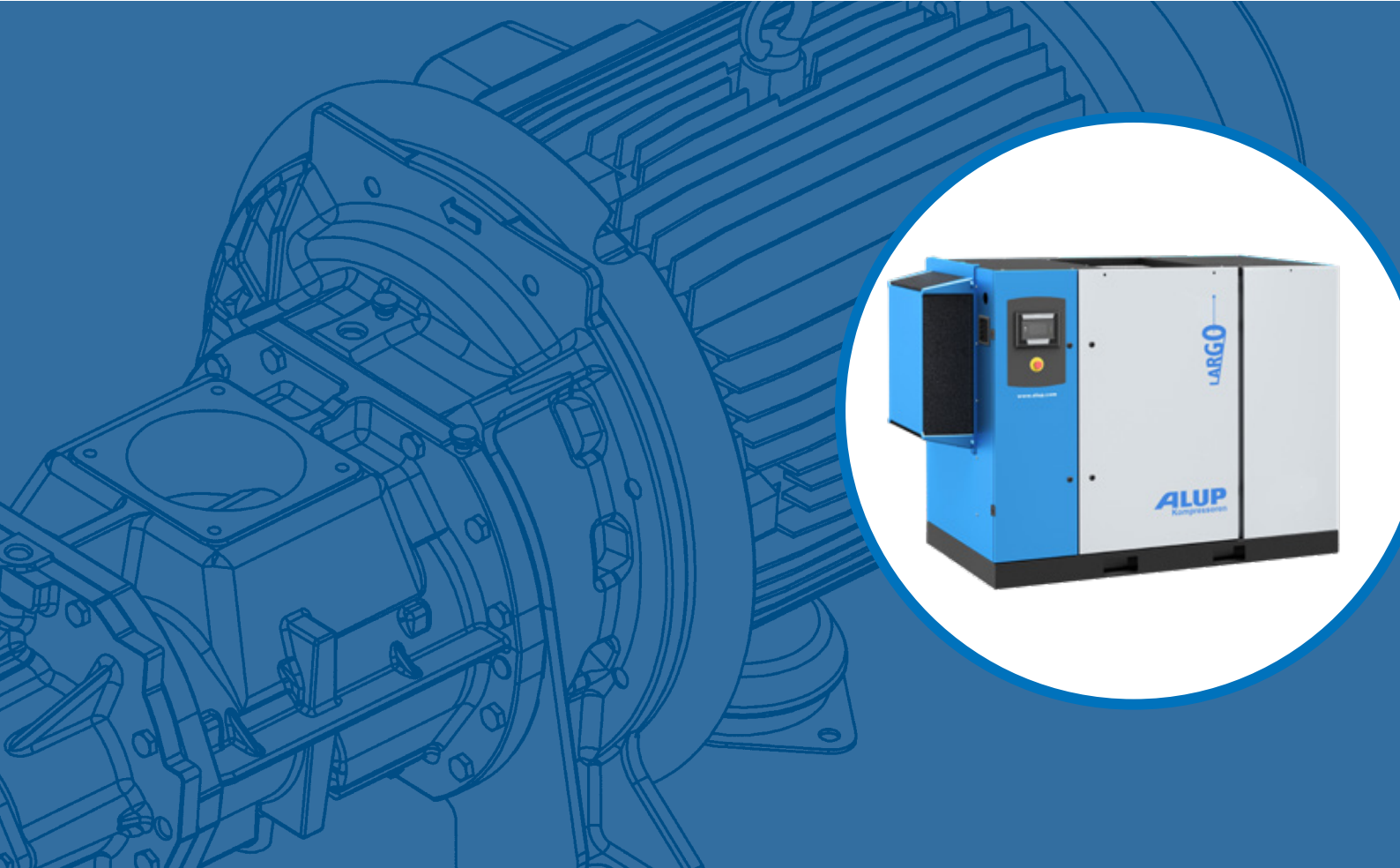


# Screw Compressors



**LARGO 45-75**



At Ash Air, it isn't just about the products. We're passionate about performance and service, with more than 40 qualified engineers working throughout the country providing unsurpassed compressed air solutions.







Broad product portfolio of robust compressors & tools

Decades of experience & innovation since 1979

24/7 service support with back up and hire equipment

"We are committed to being the easiest company to deal with in the air compressor and vacuum industry. Anywhere, Anytime. 24/7."

### Energy Saving Solution

-  10,200 serviceable units
-  3.4 MWh potential yearly energy savings identified by leak detection
-  6015 kW combined power of VSD compressors installed
-  54.5 km AIRnet piping installed
-  6 MWh saved with AIRnet and VSD each year
-  4.2 Mton CO2 emissions eliminated each year



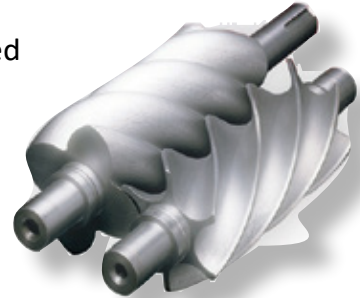
## Driven by technology Designed by experience

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. 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 power of the ALUP Largo range

Largo 45-75 screw compressors provide high-quality compressed air for a wide range of industrial applications. The result of continuous investment in product development, and Largo compressors are built around three innovative features which make them stand out.



### Ultimate reliability and serviceability

- Proven designs
- Reputed brands
- Modular design
- Extensive service support
- Designed for harsh conditions and ambient temperatures up to 46°C



### Superior efficiency

- In-house design compression elements
- Direct drive transmission
- High-efficiency radial cooling fan
- Optional IE3 / NEMA Premium Efficiency motor

## Airlogic<sup>2</sup> T touchscreen controller

The new Airlogic<sup>2</sup> T controller is truly state-of-the-art, maximising user-friendliness, efficiency and reliability.

With a large 4,3" full-colour touchscreen display and 30+ languages, smooth control is at your fingertips.

The integrated connectivity with remote monitoring possibilities enables full insight into your compressed air network and helps you to optimize and save energy.



### Control and monitoring features

- Warning indications
- Graphical indication service plan
- Integrated ECO6i available as option to central control up to 6 compressors limiting the energy consumption and equalizing running hours across your whole system
- Online visualization of running conditions

# 10 reasons to choose ALUP

Check out these innovative features and see how they provide you with high efficiency, ease of maintenance, low noise levels and outstanding cooling.



## 1. Element and drive train

- Gearbox technology ensuring outstanding efficiency and continued reliability.
- Innovative design resulting in a smaller footprint.

## 2. High efficiency motors

- IE3 / NEMA Premium efficiency motor (standard on fixed speed machines, optional on variable speed ones).

## 4. Standard enclosed intake filter

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



## 3. Radial fan

- Low power consumption & reduced noise levels.
- Optimal cooling flow.
- Increased lifetime of oil, consumables and compressor.



## 5. Separate coolers

- Separate oil and air cooler for high-quality cooling and long lifetime of the coolers.
- Gliding rails for easy and safe removal.
- Easy access for cleaning.



## 6. Solid inlet baffle

- Small installation footprint: the unit can be placed against a wall.
- Fitted with insulation foam to reduce noise.
- Optimised air flow for improved cooling.



## 7. In-house designed oil separator vessel

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

## 8. In-house designed inverter

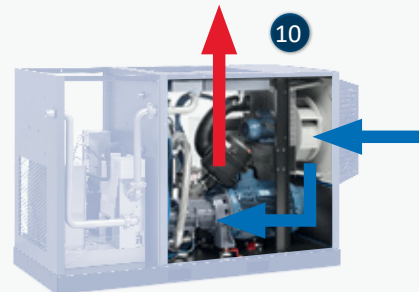
- Integrated Imperium inverter for VSD models.
- Robust industrial design with IP5X protection rating.
- Compact, smart and user-friendly, controlled by Air Control 5.1 controller.
- Installed in a separate cubicle to ensure optimal cooling and easy maintenance.

## 9. Intelligent controller

- The full-color graphic control of the Air Control 5.1 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.

## 10. Improved motor cooling

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



## Options to optimise your operations



Available for Largo 45:

### Extended lifetime oil & filters

- “Plus” option including 4000 hours oil combined with an air and oil filter with the same lifetime.
- “Extended” option including 8000 hours oil with a long lifetime oil filter. This will guarantee optimal performance at all times.

Every installation is different, therefore we offer you a wide range of options to enable you to personalise your Largo 45-75 compressor to your needs.

### Air quality

- Internal water separator - reduces up to 90% of the condensate in the compressed air. (standard on Largo 45)
- Automatic drain - ensures no air loss during condensate removal (only in combination with internal water separator).
- Tropical thermostatic valve - for use in humid and hot conditions.
- High-efficiency air intake pre-filtration panel - avoids dust entering the compression element, protecting internal components and extending the compressor lifetime.

### Energy saving

- Energy recovery pack - recovers up to 75% of the energy formed during the compressor process heat, which can be used to heat up water for boilers, showers etc.

### Safety

- Wrong rotation direction control - protects the compressor from possible damage when the power supplied by the energy provider is unreliable.
- Water shut-off valve outside the canopy - for water-cooled machines.
- The oil pre-heater - guarantees a certain oil temperature in the oil vessel to avoid condensation.

### Control and monitoring

- ECO 4/6i - integrated multiple compressor control for 4/6 compressors.
- Remote monitoring - for additional convenience.

## Technical data

Fixed speed version	Max. working pressure	Reference working pressure	Free Air Delivery @ reference conditions*		Motor power		Noise level**	Cooling air volume	Weight		Compressed air output diameter
			m3/min	cfm	kW	hp			std	plus	
Model	bar	bar					dB(A)	m <sup>3</sup> /h	kg	kg	"
LARGO 45	7.5	7	8.2	290	45	60	68	6660	692	900	1"1/2
	8.5	8	7.8	273	45	60	68	6660			
	10	9.5	7.1	252	45	60	68	6660			
	13	12.5	6.3	221	45	60	68	6660			
LARGO 55	7.5	7	10.0	354	55	75	70	9000	1130	1403	2"
	8.5	8	9.5	337	55	75	70	9000			
	10	9.5	9.0	318	55	75	69	9000			
	13	12.5	7.5	263	55	75	69	9000			
LARGO 75	7.5	7	12.9	456	75	100	71	12600	1317	1590	2"
	8.5	8	12.6	445	75	100	71	12600			
	10	9.5	11.3	399	75	100	70	12600			
	13	12.5	9.7	343	75	100	70	12600			

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



## Dimensions

	Length std	Length plus	Width	Height
Model	mm	mm	mm	mm
LARGO 45	1555	2055	890	1790
LARGO 55	1923	2773	1060	1630
LARGO 75				

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. 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.



Piston Compressors



Screw Compressors



Nitrogen & Dryers



Portable Compressors & Generators



Air Tools



Vacuum Pumps

### Ash Air: Compressed Air Solutions Specialists

The team at Ash Air is passionate about the performance of their products and services, with more than 40 qualified engineers working throughout the country providing unsurpassed compressed air solutions. We look after New Zealand's air compressors and vacuum pumps, from the smallest to largest companies. 9,500+ businesses have trust us to set-up, upgrade, and look after their compressed air systems.

We are available 24/7 when and where you need us, with 13 strategically located service centres in New Zealand, so you'll never be caught without the back up you need.

