

Screw Compressors



EVOLUTO 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

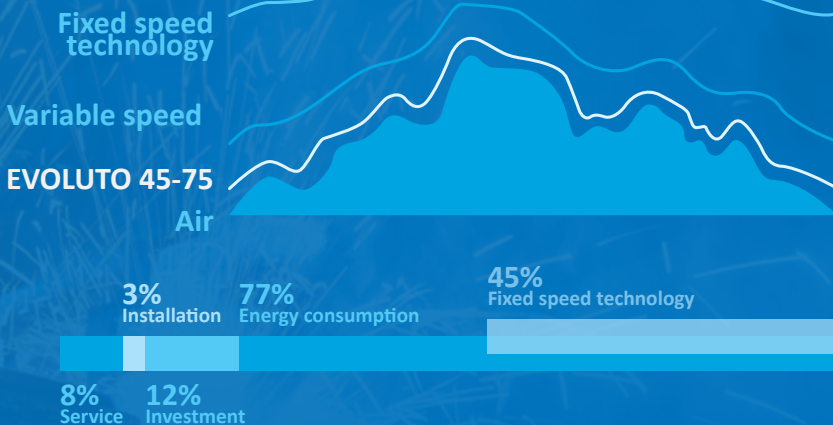
"We are committed to being the easiest company to deal with in the air compressor and vacuum industry. Anywhere, Anytime. 24/7."

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



ALUP Evoluto: A big leap in energy efficiency



Why invest in Evoluto?

Imperium variable speed technology combined with iPM motor technology and evolved the energy efficiency of variable speed compressors to a new level, resulting in energy savings of up to 45%.

Why variable speed compressors?

By matching the air supply to the air demand, unload losses are avoided, and energy costs reduced on average by 30%.

Evolving energy efficiency

Continuous investment in product development has resulted in our most innovative and energy efficient compressor to date. A brand new and groundbreaking drive train coupled with our Imperium inverter has pushed energy efficiency to the next level, bringing energy savings of up to 45%. Designed with the customer in mind, the Evoluto 45-75 range brings:



Premium performance at minimal energy costs

- New generation in-house designed screw elements, delivering more compressed air for less energy.
- IE4 Super Premium Efficiency motor, resulting in significant energy savings.
- Integrated direct drive transmission for minimal losses.
- Imperium variable speed technology, bringing instant savings vs. traditional fixed speed compressors.



Our newest innovations in one package

- In-house designed interior permanent magnet (IPM) motor with innovative oil-cooling technology for optimal cooling at all conditions.
- In-house designed Imperium inverter, tailor-made for screw compressor applications.
- In-house designed graphical controller with touchscreen for user-friendly operation.



Reliable Productivity

- Maintenance-free components enable higher uptime and increased productivity.
- Consumables with long lifetime ensure optimal reliability and low total cost of ownership.
- Packaged in a proven canopy design with already thousands of installations around the globe.

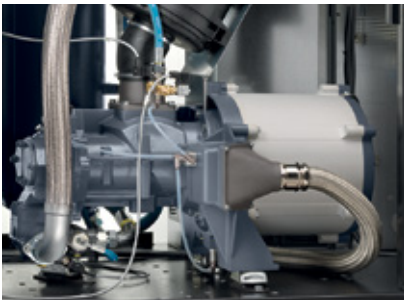
Airlogic² T touchscreen controller

The new Airlogic² T controller is truly state-of-the-art, maximizing 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 optimise and save energy.



10 reasons to choose Evoluto

The Evoluto range is the result of dedicated investments in R&D and in-house developed key components. By maximising performance, energy efficiency and reliability of each individual component we have ensured that the final result is our most innovative compressor to date.



1. Interior Permanent Magnet (iPM) motor

- IE4 Super Premium Efficiency.
- Oil-cooled, optimal cooling at all speeds.
- IP66, highest possible protection against dust ingress.
- In-house designed.

2. New generation screw elements

- Superior performance and efficiency.
- Improved rotor profile, reduced pressure losses.
- In-house designed and produced in Belgium.

3. Integrated direct drive transmission

- Coupling-free design, minimal transmission losses.
- Maintenance-free for low total cost of ownership.



4. Smart inlet valve

- Optimising the inlet flow to the screw element.
- Maintenance-free, low total cost of ownership.
- In-house designed.

5. Imperium - Variable Speed Technology

- Robust industrial design with IP5X protection.
- Tailor-made for screw compressor applications.
- In-house designed.



6. Airlogic² T touchscreen controller

- Easy-to-use full-colour graphical display with touchscreen.
- Integrated connectivity helps optimizing and save energy.
- In-house designed.

7. Solid inlet baffle with radial fan

- Small installation footprint, unit can be placed against a wall.
- Filters mats pre-filter incoming air, ensuring superior air quality.
- Highly efficient and low noise radial fan as standard.



8. Oil separator vessel

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



9. Quality filtration

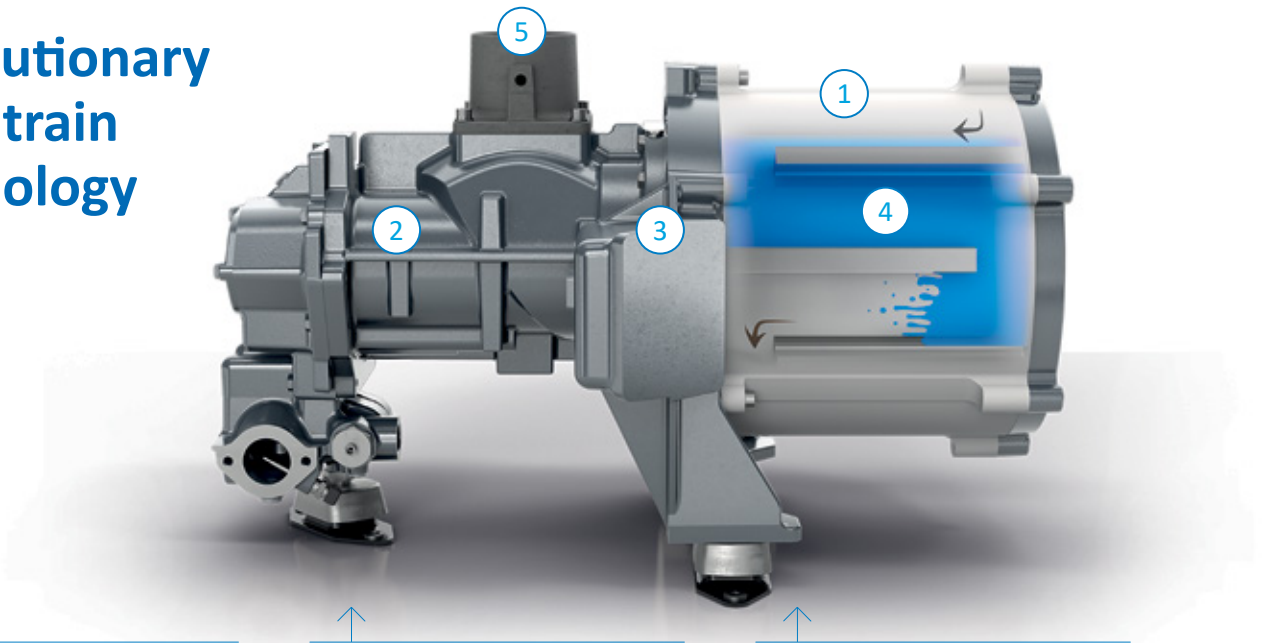
- Protecting internal components and increasing lifetime.
- Heavy duty air/oil/oil separator filters with long lifetime for low total cost of ownership.

10. 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.



Revolutionary drive train technology



Improved energy efficiency saves you money

- In-house designed iPM motor (1) with IE4 Super Premium Efficiency.
- New generation in-house designed screw elements (2), with improved efficiency.
- Integrated direct drive transmission (3) for minimal losses.
- Smart inlet valve (5) optimises the inlet flow and improves efficiency.

Increased reliability extends lifetime

- iPM motor (1) rated IP66, premium protection against dust and water ingress.
- Globally renowned screw elements (2), proven in thousands of installations.
- Optimal cooling at all speeds and conditions thanks to oil-cooling principle (4) of the iPM motor (1).

Maintenance-free design minimises downtime and improves your productivity

- No (re)grease(ing) of the motor (1) bearing needed.
- Coupling-free direct drive design (3), no maintenance needed.
- Smart inlet valve (5), no maintenance needed.

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.

75% of the heat recoverable via energy recovery



100% total electrical energy consumption

Technical data

Inverter driven version	Working pressure	Min. Free air delivery (7 bar)*			Max. free air delivery								
		7	7	7	7	7	7	9.5	9.5	9.5	12.5	12.5	12.5
Model	bar	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm
Evoluto 45	4-13	108	30	64	547	152	322	486	135	286	407	113	239
Evoluto 55	4-13	104	29	61	662	184	390	587	163	345	493	137	290
Evoluto 75	4-13	101	28	59	792	220	466	698	194	411	590	164	347

* 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.

Model	Motor power		Noise level**	Cooling Air volume	Weight		Compressed air output diameter
	kW	hp			7	7	
			dB(A)	m³/h	m³/h		"
Evoluto 45	45	60	69	6600	860	1060	1"1/2
Evoluto 55	55	75	71	11160	880	1150	2"
Evoluto 75	75	100	71	11160	900	1170	2"

Dimensions

	Length std	Length plus	Width	Height
Model	mm	mm	mm	mm
Evoluto 45	1923	2773	1060	1630
Evoluto 55				
Evoluto 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.

