

BECAUSE
IMPROVEMENT
NEVER
STOPS



OF SERIES
OIL-FREE AIR COMPRESSORS
75-220 HP

OF 75-220 HP SERIES

ALUP Compressor's OF 75-220Hp line of oil-free rotary compressors brings you outstanding sustainability, reliability and performance, while minimizing the total cost of ownership. Built to perform even in the harshest environments, these compressors keep your production running efficiently.



① LOW COST OF OWNERSHIP

- Efficient inlet filter minimizes intake losses.
- World-class oil-free compression rotors deliver premium efficiency and energy savings.

③ MAXIMIZE YOUR SYSTEM PERFORMANCE

- Advanced (Airlogic) controller allows you to monitor your OF and optimize its performance.

② RELIABILITY YOU CAN COUNT ON

- Precision gears ensure a long lifetime and low transmission losses.
- Superior air end bearings offer stability without the need for pre-lubrication or stabilization.
- Completely enclosed fan-cooled motor is insulated against environmental contaminants.
- Water separator protects your downstream equipment from moisture.



CERTIFIED 100% OIL-FREE AIR

ALUP Compressor is renowned for designing and manufacturing the most durable oil-free rotary compressors.

The OF series extends this strong tradition. Ideal for industries where high-quality oil-free air is key, the OF delivers the quality air that protects the safety and quality of your production.



CLASS ZERO OIL-FREE

Some applications require absolutely, unquestionably clean air. That is why the ALUP OF delivers air that is certified to be 100% free of any traces of oil, aerosols or other contaminants.

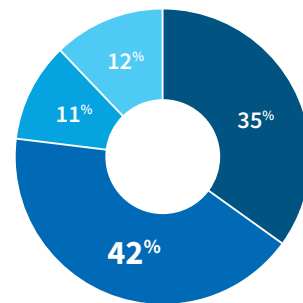
CLASS	Concentration total oil (aerosol, liquid, vapor) mg/m ³
0	As specified by the equipment user or supplier and more stringent than class 1
1	< 0.01
2	< 0.1
3	< 1
4	< 5

WHY EFFICIENCY MATTERS?

Energy costs represent about 70% of the total operating cost of your compressor over a 5-year period. Therefore, reducing the energy consumption of your compressed air installation should be a major focus to ensure the lowest cost of ownership.

HOW VSD HELPS YOU SAVE?

As a majority of customers have a fluctuating demand for compressed air, variable speed compressors have proven to be superior to fixed speed compressors when it comes to reducing the energy costs. By matching the air supply to the air demand, unload losses are avoided, and energy costs decrease on average by 35%.



ALUP Compressor Total Life Cycle Cost

- Energy savings with VSD
- Energy
- Investment
- Maintenance

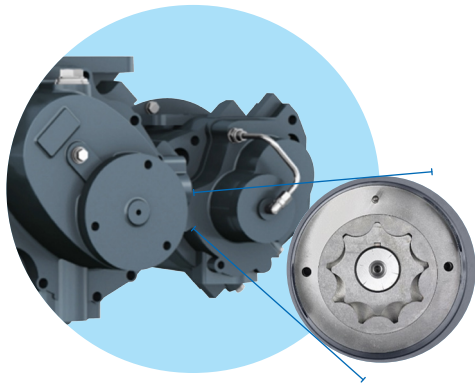
CORE TECHNOLOGIES

EXCLUSIVE INVERTER DESIGN

The imperium* inverter is designed specifically for compressed air applications, eliminating the usual sensitivity to dust and heat. The electronics are protected by an IP5X enclosure which dissipates heat via a fan-cooled heat sink.

The imperium operates in high ambient temperatures with operation at full power between -20°C/-4°F and 50°C/122°F.

*Available on OF50-75V/ **Siemens on OF30V



INTEGRATED DIRECT-DRIVEN OIL PUMP

All ALUP oil-free rotary compressors feature a gear rotor type oil pump mounted on the main shaft. When the motor is running, the required oil pressure is delivered to the bearings. Even in a power loss situation, the oil pump operates while the motor slows its rotation.

*Gear rotor type pump mounted on main shaft

NETWORKING & REMOTE MONITORING

The latest Airlogic controller offers you the monitoring and control capabilities to maximize the reliability and performance of your OF compressor. Cloud analysis of the Airlogic data helps schedule optimum service intervention, predicts failure and measures overall machine health.



SERVICES

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 lifespan of your installation

Service packages can be customized and tailored according to your needs! Discuss with your local authorized service provider.



OF

TECHNICAL DATA

OF 75-200	Working Pressure			Capacity FAD			Installed Motor		Weight	
		bar (e)	psig	l/s	m³/min	cfm	kW	hp	kg	lb
OF75-7.5	-	7.5	109	139	8.3	295	55	75	1980	4365
OF75-8.6	-	8.6	125	137	8.2	290	55	75	1980	4365
OF100-7.5	-	7.5	109	201	12.1	426	75	100	2165	4773
OF100-8.6	-	8.6	125	182	10.9	386	75	100	2165	4773
OF125-7.5	-	7.5	109	237	14.2	502	90	125	2205	4861
OF125-8.6	-	8.6	125	224	13.4	475	90	125	2205	4861
OF150-7.5	-	7.5	109	307	18.4	651	110	150	2875	6338
OF150-8.6	-	8.6	125	286	17.2	606	110	150	2875	6338
OF175-7.5	-	7.5	109	363	21.8	770	132	175	2965	6537
OF175-8.6	-	8.6	125	325	19.5	689	132	175	2965	6537
OF200-7.5	-	7.5	109	387	23.2	820	145	200	3050	6724
OF200-8.6	-	8.6	125	358	21.5	759	145	200	3050	6724

OF 100-220V	Working Pressure			Capacity FAD			Installed Motor		Weight	
		bar (e)	psig	l/s	m³/min	cfm	kW	hp	kg	lb
OF100V-8.6	Minimum	4	58	124-209	7.4-12.5	263-443	75	100	2145	4729
	Effective	7	102	126-210	7.6-12.6	267-445				
	Maximum	8.6	125	144-167	8,6-10,0	305-354				
OF125V-8.6	Minimum	4	58	124-254	7.4-15.2	263-538	90	125	2145	4729
	Effective	7	102	126-259	7.6-15.5	267-549				
	Maximum	8.6	125	144-186	8,6-11,2	305-394				
OF150V-8.6	Minimum	4	58	162-320	9.7-19.2	343-678	110	150	2925	6449
	Effective	7	102	161-319	9.7-19.1	341-676				
	Maximum	8.6	125	161-298	9.7-17.9	341-632				
OF175V-8.6	Minimum	4	58	184-370	11.0-22.2	390-784	132	175	3015	6647
	Effective	7	102	184-369	11.0-22.1	390-782				
	Maximum	8.6	125	183-346	11.0-20.8	388-734				
OF220V-8.6	Minimum	4	58	184-389	11.0-23.3	390-825	160	220	3100	6834
	Effective	7	102	184-389	11.0-23.3	390-825				
	Maximum	8.6	125	183-367	11.0-22.0	388-778				

Model No.	Standard		
	A	B	C
	Length (mm/in)	Width (mm/in)	Height (mm/in)
OF75-125V-8.6	2700	1600	1800
OF150-220V-8.6	3400	1660	2150





ONE RELIABLE SOURCE FOR ALL YOUR COMPRESSED AIR NEEDS

ALUP stands ready to meet all of your compressed air needs: From the compressor ①, itself and the dryer ②, to line filters ③, air receiver buffer storage ④, our own easy-to-install AIRnet piping system ⑤, and a central controller to manage the entire system ⑥. All of these products are available in the proven ALUP quality and each of them is built to last.

ICONS

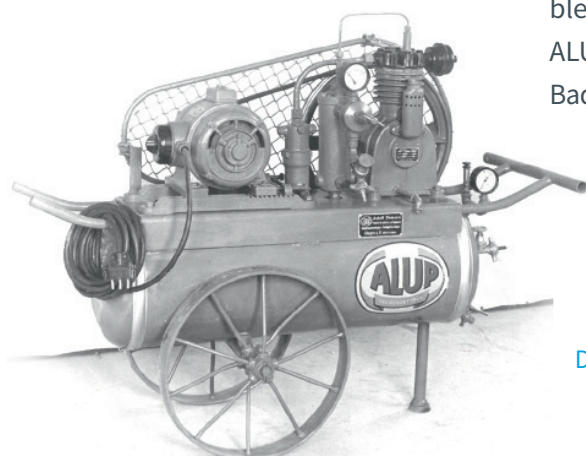
INCREASED UPTIME, POWERED BY ICONS

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 CO₂ emissions.
- Receive high-quality **energy reports** ensuring the ISO50001 compliance of your site.



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 1925

Founded in
Germany

First piston
compressor

1980

First rotary
screw compressors

today

Innovative technology





Contact your local ALUP Kompressoren representative



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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