

BECAUSE  
IMPROVEMENT  
NEVER  
STOPS



OF SERIES  
OIL-FREE AIR COMPRESSORS  
20-75 HP

# OF 20-75 HP SERIES

ALUP Compressor's OF 20-75 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.

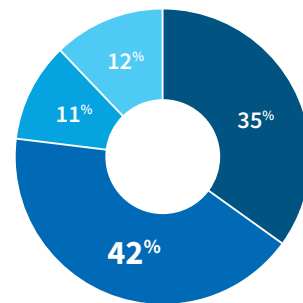
CLASS	Concentration total oil (aerosol, liquid, vapor) mg/m <sup>3</sup>
0	As specified by the equipment user or supplier and more stringent than class 1
1	< 0.01
2	< 0.1
3	< 1
4	< 5

## 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 intelligently 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 20-60	Working Pressure			Capacity FAD			Installed Motor		Weight	
		bar (e)	psig	l/s	m³/min	cfm	kW	hp	kg	lb
OF20-7.5	-	7.5	109	38	2.3	81	15	20	984	2169
OF20-8.6	-	8.6	125	35	2.1	74	15	20	984	2169
OF20-10	-	10	145	30	1.8	64	15	20	984	2169
OF25-7.5	-	7.5	109	48	2.9	102	18.5	25	1014	2235
OF25-8.6	-	8.6	125	46	2.8	98	18.5	25	1014	2235
OF25-10	-	10	145	36	2.2	76	18.5	25	1014	2235
OF30-7.5	-	7.5	109	59	3.5	125	22	30	1024	2257
OF30-8.6	-	8.6	125	53	3.2	112	22	30	1024	2257
OF30-10	-	10	145	45	2.7	95	22	30	1024	2257
OF40-7.5	-	7.5	109	79	4.7	167	30	40	1251	2758
OF40-8.6	-	8.6	125	74	4.4	157	30	40	1251	2758
OF50-7.5	-	7.5	109	96	5.8	204	37	50	1321	2912
OF50-8.6	-	8.6	125	92	5.5	195	37	50	1321	2912
OF60-7.5	-	7.5	109	114	6.8	242	45	60	1341	2956
OF60-8.6	-	8.6	125	109	6.5	231	45	60	1341	2956

OF 30-75V	Working Pressure			Capacity FAD			Installed Motor		Weight	
		bar (e)	psig	l/s	m³/min	cfm	kW	hp	kg	lb
OF30V-10	Minimum	4	58	21-57	1.3-3.4	45-121	22	30	1091	2405
	Effective	7	102	20-56	1.2-3.4	42-119				
	Maximum	10	145	19-47	1.1-2.8	40-100				
OF50V-8.6	Minimum	4	58	42-102	2.5-6.1	89-216	37	50	1386	3056
	Effective	7	102	41-101	2.5-6.1	87-214				
	Maximum	8.6	125	41-95	2.5-5.7	87-201				
OF75V-8.6	Minimum	4	58	42-144	2.5-8.6	89-305	55	75	1386	3056
	Effective	7	102	41-143	2.5-8.6	87-303				
	Maximum	8.6	125	41-139	2.5-8.3	87-295				

Model No.	Standard		
	A	B	C
	Length (mm/in)	Width (mm/in)	Height (mm/in)
OF20-30	1760	1026	1621
OF40-60	2005	1026	1880
OF30V	2195	1026	1621
OF50-75V	2440	1026	1880





# 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

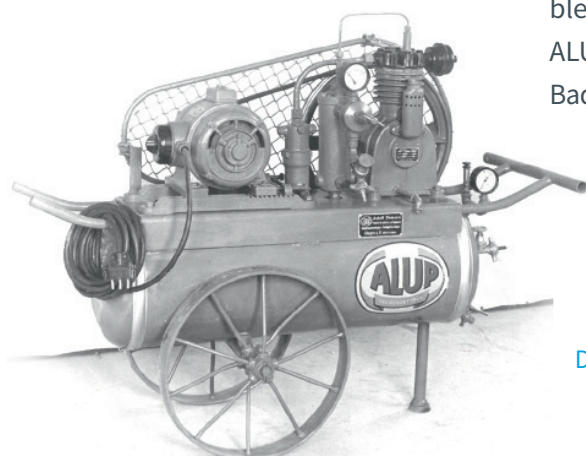
# INCREASED UPTIME, POWERED BY ICONS

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 CO<sub>2</sub> 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.



[www.alup.com](http://www.alup.com)

**ALUP**  
Kompressoren