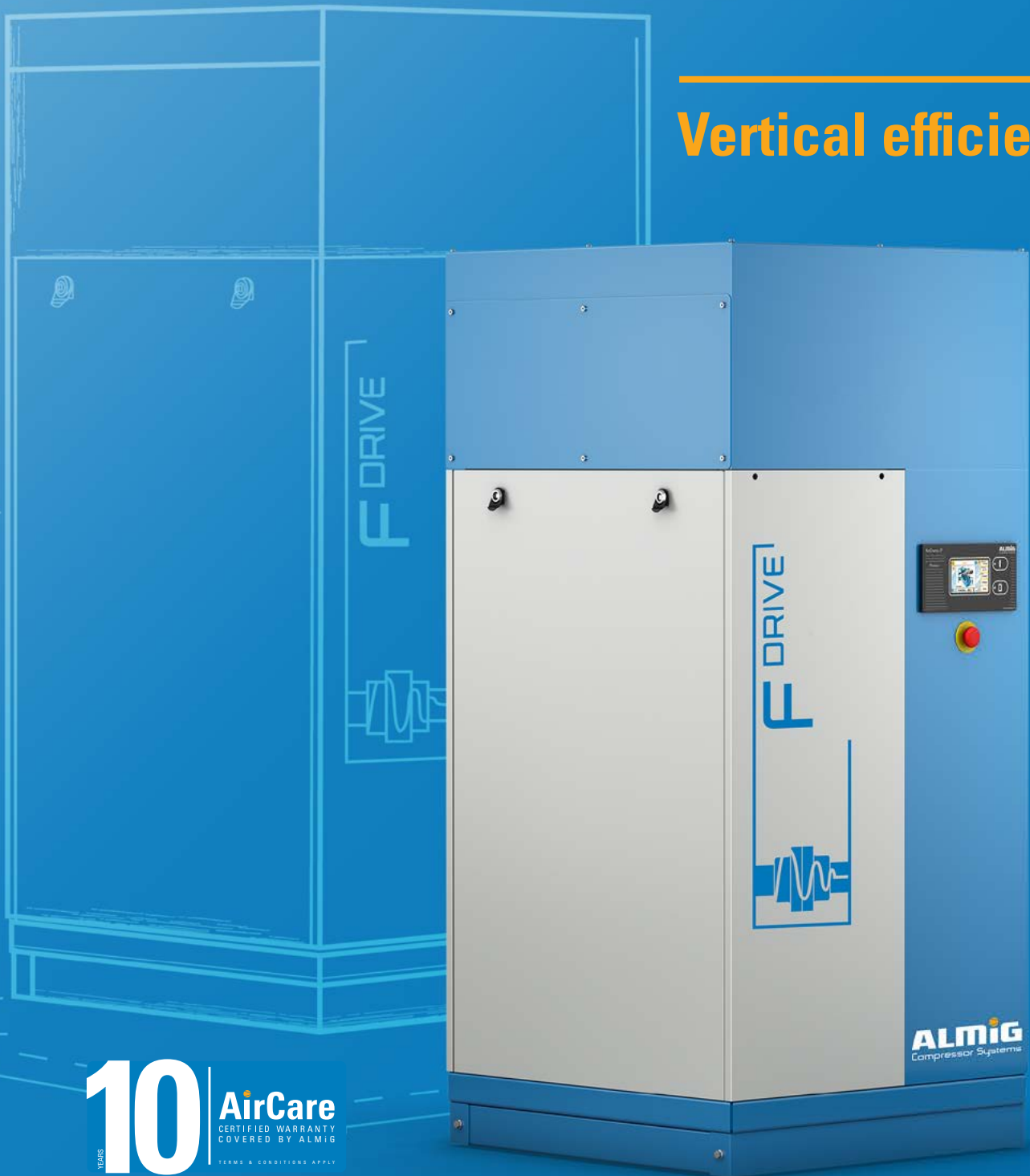


F-DRIVE

Screw Compressor

Vertical efficiency



10 YEARS
AirCare
CERTIFIED WARRANTY
COVERED BY ALMiG
TERMS & CONDITIONS APPLY

F-DRIVE

PRODUCT FACTS

Energy- and space-saving at the same time – that doesn't have to be a contradiction. Quite the opposite. At ALMiG, we have been proving for many years that the concept of the vertical arrangement of motor and compressor unit is the key to success – to efficiency. Energy-saving speed control through an oil-cooled permanent magnet motor, a highly efficient compression stage combined with the most intelligent control technology and minimal noise levels are our answer to the ever-increasing demands of the future.

Cutting-edge technology

The speed-controlled, direct-drive compressors of the F-Drive series are used wherever compressed air needs to be generated by a small, compact, and extremely quiet system.

- Direct drive with speed-controlled permanent magnet motor
- Motor cooling independent of speed – ensures consistent performance
- Equipped as standard with the intelligent AirControl A system
- Power range: 5.5–75 kW | Volume flow: 0.33–14.17 m³/min
- Operating pressure continuously adjustable from 5–13 bar
- Air-cooled system – robust and low-maintenance
- Motor with energy efficiency class IE5, protection rating IP66, insulation class F

Compact & Space-Saving

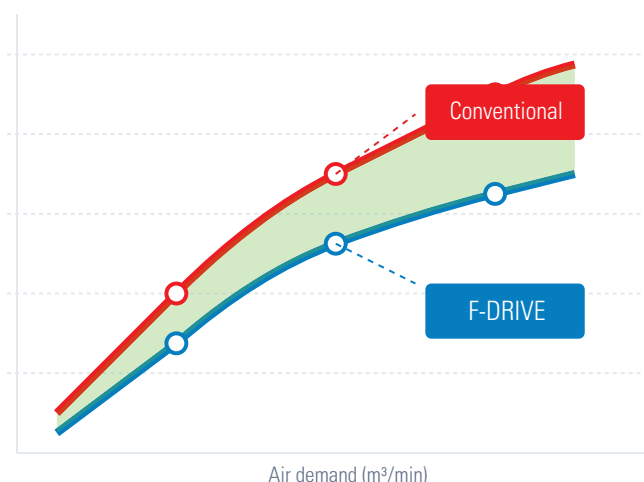
- Vertical arrangement of motor and compressor
- Compact design for easy integration into existing systems
- Low noise level – ideal for noise-sensitive environments
- Easily accessible – maintenance-friendly and service-optimized

With ALMiG SCD technology, you can achieve energy savings of up to 35% through:

- Speed control
- Constant network pressure, continuously adjustable from 5 to 13 bar
- High system efficiency
- No start-up switching power peaks
- No costly idle times

Energy cost comparison

Energy-costs €/Jahr



Annual savings potential

F-DRIVE

INTELLIGENT DESIGN

SCD frequency converter
for precise adjustment of the
delivery quantity

Direct drive
for loss-free power
transmission

AirControl Advanced
Intelligent control system that monitors,
visualises and documents

**Easily accessible
radiators**

Oil check valve
prevents
returned oil from
entering the filtered
compressed air when
switched off,
including sight glass

**Sight glass for
easy
level control**

**Space-saving
design**
for a small
footprint

**Additional internal
system pressure
gauge**

**Vibration damper
for decoupling the
engine/compressor unit**

**Highly efficient
permanent magnet motor**
Optimally cooled at any speed
thanks to oil cooling

 To the video

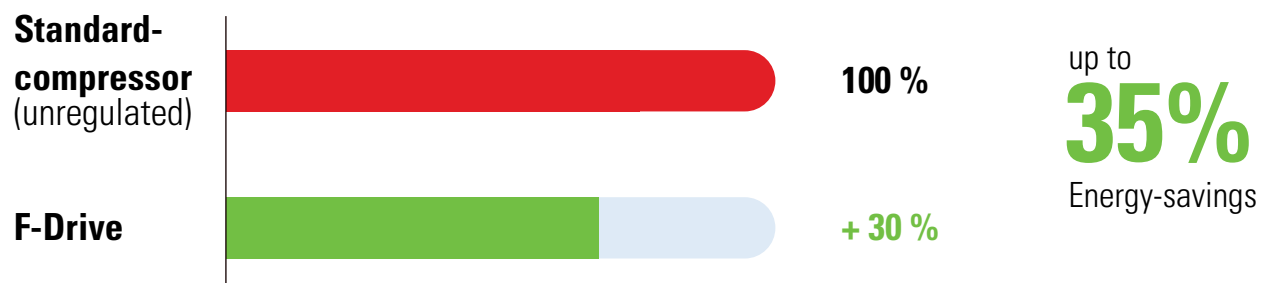


F-DRIVE

EFFICIENCY THAT PAYS OFF

The F DRIVE from ALMiG is a highly efficient, frequency-controlled compressor that delivers exactly the amount of air that is actually needed – no more and no less. Thanks to its intelligent control system and state-of-the-art drive technology, it reduces energy losses to a minimum. This saves you money with every operating hour – while also reducing your carbon footprint.

Energy savings in comparison



Sample calculation based on 8000 operating hours and 75 kW power output



Frequency-control

Saves energy through demand-based operation



IE5-permanent-magnetmotor

Highest efficiency in the drive class



Intelligent control

Optimises runtimes & reduces idle time



Soft start technology

No power surges - protects the mains & components

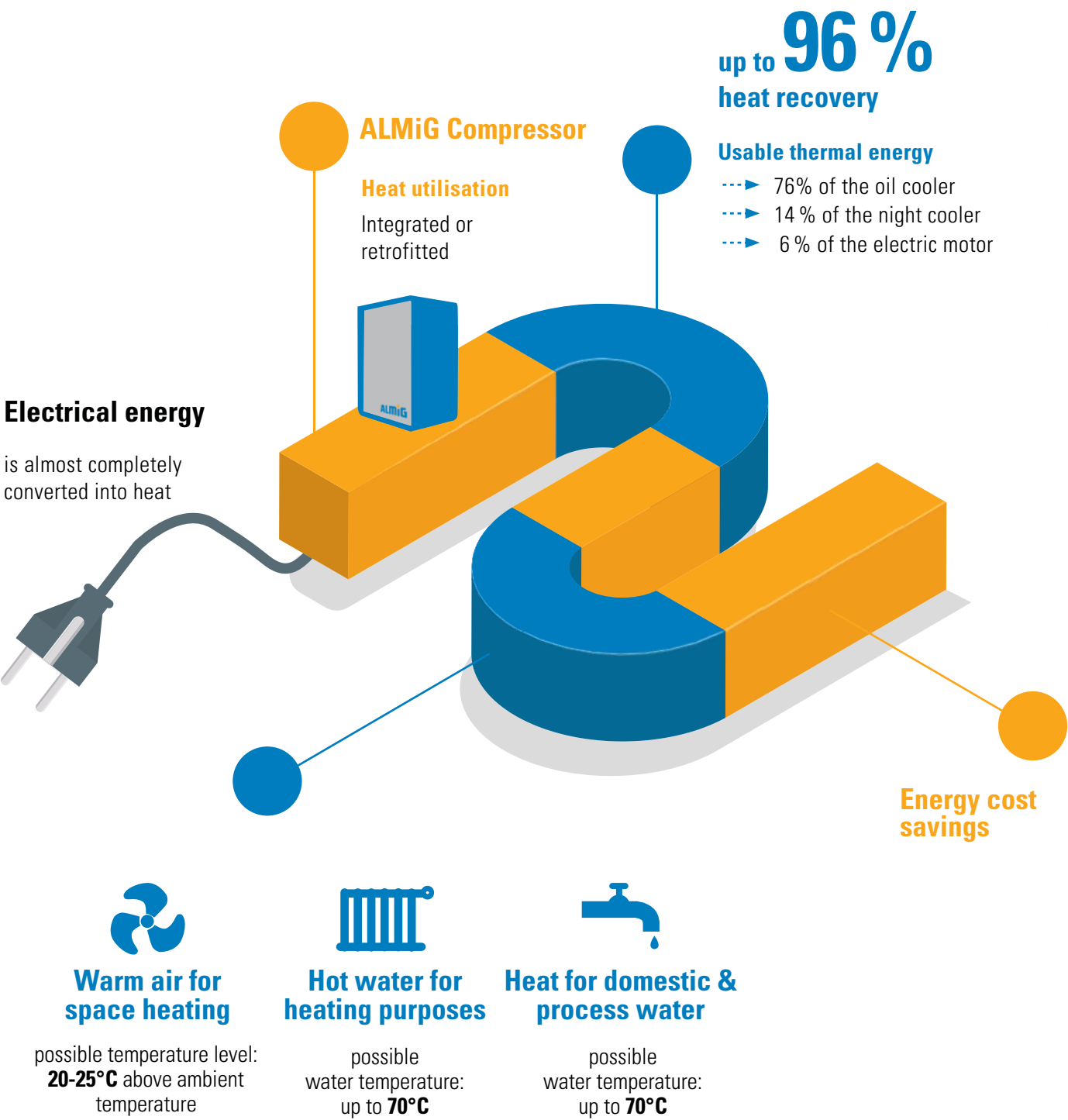


F-Drive supports your company in implementing environmental objectives in accordance with ISO 50001 and ISO 14001.

CO₂ 

F-DRIVE

HEAT RECOVERY



F-DRIVE

EFFICIENT AND WELL THOUGHT-OUT DOWN TO THE LAST DETAIL

Digital Service Management

ALMiG Kompressoren GmbH relies on future-oriented digital service management to ensure maximum system availability and predictable maintenance. With the intelligent IoT platform COMPASS, compressor operating data can be recorded, analysed and evaluated in real time. By continuously monitoring key performance indicators – such as operating hours, temperature, maintenance cycles and error messages – the system detects deviations at an early stage and automatically reports upcoming maintenance or malfunctions. This enables predictive maintenance, reduces downtime and lowers operating costs.



To Vodafone
Case Study



Intelligent control systems

The F-DRIVE comes standard with AiControl Advanced – a modern, user-friendly control system for precise regulation of compressor operation. AirControl HE is available as an option for more advanced requirements. It offers comprehensive connectivity functions, enables integration into higher level control systems and allows remote monitoring via web server or Modbus TCP. This gives you full control at all times – both locally and remotely.

Modbus Cloud Connect

Through its collaboration with Modbus Cloud Connect, ALMiG enables seamless integration of its compressors into digital platforms. Machine and operating data are transmitted in real time, analysed and made available centrally. This networking increases efficiency, enables precise remote monitoring and supports predictive maintenance, thereby reducing downtime and optimising operating costs.

more infos



ALMiG AirCare WARRANTY

Extend the warranty on your compressed air system to up to 10 years – so you're on the safe side.

The ALMiG AirCare package allows you to make claims for the rectification of defects even after the statutory warranty period has expired. Keep full track of your service costs and avoid any nasty surprises.

What makes the ALMiG AirCare is that this extension covers not only the newly purchased ALMiG compressors, but also associated components such as

- External heat recovery modules
- Refrigeration dryers
- Adsorption dryers
- Oil-water separation systems condensate drains

In addition to the supply of spare parts under warranty, AirCare also covers the following:

- Immediate repairs
- Necessary spare parts deliveries under warranty, delivered free of charge
- Labour costs for diagnosis and repair of the compressor
- Travel costs (a distance of up to 100 km and a journey time of up to 2 hours (one way) are included in AirCare)

Please do not hesitate to ask your ALMiG contact for the exact terms and conditions.

Further information can be found in our AirCare warranty terms and conditions.



F-DRIVE

PRODUCT VARIATIONS

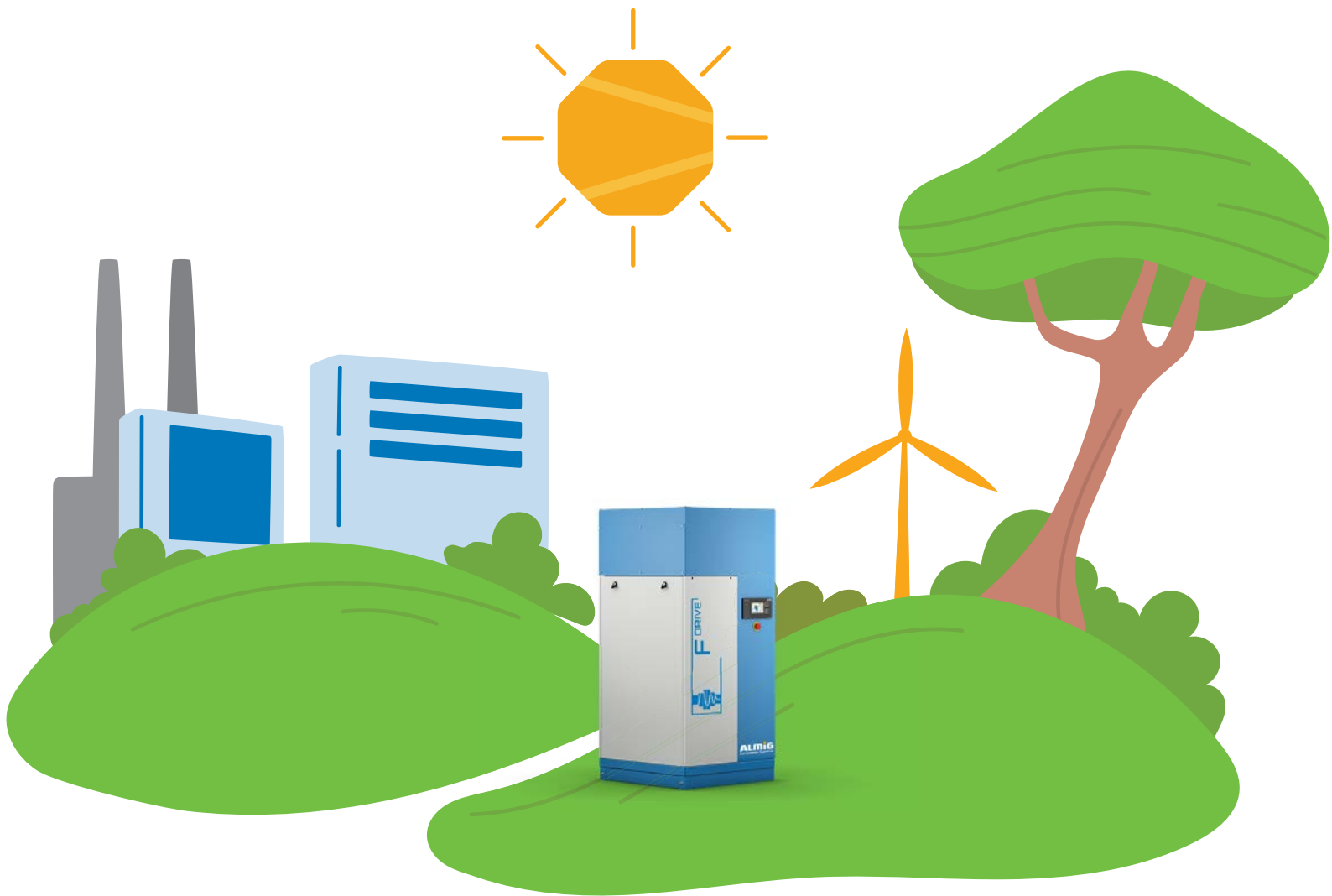


F-Drive 45-75

F-Drive 6 - 37

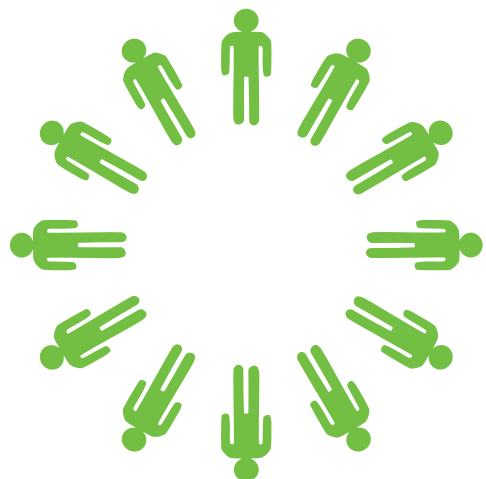
F-Drive	operating pressure	Volume flow rate* according to ISO 1217 (Annex C-2009)		Motor rated power	Length	Width	Height
		min.	max.				
Model	bar	m³/min	m³/min	kW	mm	mm	mm
6	5 - 13	0,33	0,94	5,5	660	690	1586
8	5 - 13	0,23	1,21	7,5	660	690	1586
11	5 - 13	0,23	1,84	11	660	690	1586
15	5 - 13	0,23	2,38	15	660	690	1586
18	5 - 13	0,42	3,52	18,5	790	800	1757
22	5 - 13	0,42	4,11	22	790	800	1757
30	5 - 13	0,62	6,15	30	940	850	1805
37	5 - 13	0,62	7,47	37	940	850	1805
45	5 - 13	0,88	8,34	45	1305	1105	1890
55	5 - 13	1,55	10,77	55	1395	1155	2000
75	5 - 13	1,56	14,17	75	1395	1155	2000

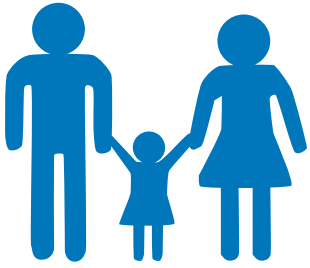
SUSTAINABILITY IN COMPRESSED AIR TECHNOLOGY



Social commitment

As a leading manufacturer of compressed air systems, we combine economic success with environmental responsibility. With innovative technologies and sustainable initiatives, the company sets new standards in the industry while consistently pursuing its environmental goals and strengthening its position as an innovation leader.



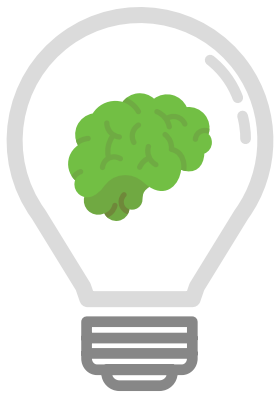
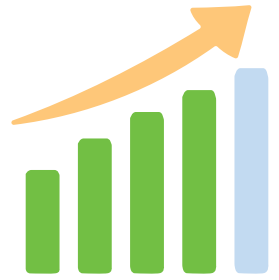


Social responsibility

We support our employees with training and health initiatives and place great importance on work-life balance as well as a positive work environment.

Future through Innovation

Innovation drives ALMiG's sustainable future. Through continuous investment in R&D, we develop energy-efficient, environmentally friendly technologies.



Efficiency and Environmental Awareness

Our products combine top performance with energy efficiency. Through innovative compressed air solutions, frequency-controlled compressors, and intelligent control systems, we minimize the energy consumption and CO2 emissions of our customers.

ISO 14001:2015 Certification

Our certification according to DIN EN ISO 14001:2015 confirms our commitment to environmental management and sustainability. It ensures that we systematically pursue and continuously improve our environmental goals.

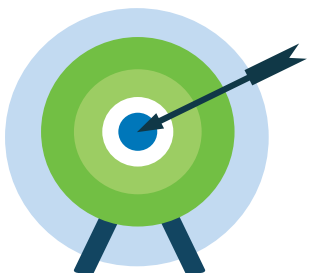
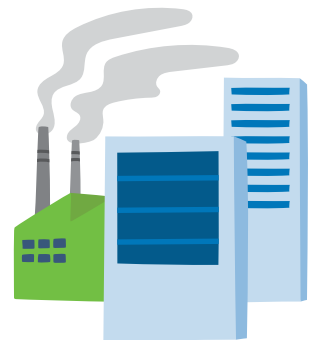


Water Resources Management

Water is one of our most valuable resources. At ALMiG, we place great importance on minimizing water consumption in our production processes.

Sustainability in Production

We rely on sustainable production processes and reduce the consumption of water and energy. Our manufacturing is continuously optimized to minimize waste and emissions.



People and Society in Focus

ALMiG is committed to fair working conditions, employee health, and social projects in the region to jointly promote sustainable change.

Sustainable Partnerships

ALMiG collaborates with partners to promote sustainable solutions and take ecological responsibility along the entire value chain.



Would you like to learn more about us?

**Then visit our website at
www.almig.com
or simply scan this QR code.**

