

firstAIR

Compressors! No compromises.

NEW

Higher efficiency
with a smaller
footprint at an
unbeatable price!

FASM SERIES

Energy-saving screw compressors
with maximum efficiency



firstAir FASM - Screw compressor for maximum energy savings

With our FASM series, we offer you screw compressors that meet the highest standards of energy efficiency, reliability and user-friendliness. Our products are designed to reduce your operating costs while maximizing your productivity.

- Power range: 7 to 37 kW
- Delivery rates: 0.31 - 7.45 m³/min
- Operating pressures: 5 to 13 bar(g)
- Noise level: 68 - 72 dBA

1 Advanced technology for your requirements
The FASM series from firstAir offers you a combination of efficiency, performance and compactness. With a permanent magnet motor and precise speed control, this series focuses on energy efficiency at an affordable price.

2 Compact and powerful
Thanks to their compact design, the compressors in the FASM series require less floor space and are also easy to install and maintain. The integrated frequency inverter enables precise adjustment of the output to the actual compressed air requirement, resulting in considerable energy savings.

3 Intelligent control for optimum maintenance
The FASM series is equipped with a 7-inch color touchscreen and an intelligent control system. These not only enable simple operation, but also the visualization of energy savings and the automatic adjustment of the volume flow. The control system also enables maintenance times to be recognized at an early stage. Causes of faults are displayed immediately and saved in the fault history. This ensures safe and reliable operation of the compressor and minimizes unplanned downtime.

4 High reliability and durability
With an optimized compressor stage and high-quality components, the FASM series ensures reliable operation and a long service life. High-precision bearings and top-quality shaft seals ensure optimal operation.

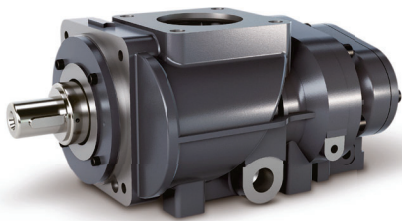
Remote control for maximum convenience

The remote on/off function gives you the flexibility to conveniently control your compressed air system remotely, giving you added convenience and control.





- **Energy efficiency:** Permanent magnet motor and frequency inverter for maximum energy savings.
- **Compact design:** Small footprint and easy installation.
- **Ease of use:** 7-inch color touch screen and intelligent control.
- **High reliability:** Durable components for trouble-free operation.
- **Remote control:** Convenient and flexible operation from a distance.

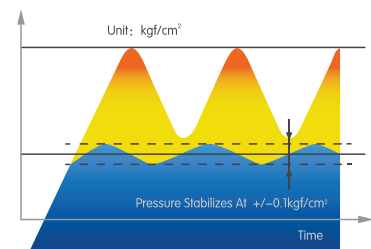


NEW GENERATION OF COMPRESSOR STAGES

The compressor stage with optimised rotor shape minimises the backflow of compressed air for higher overall efficiency. The large rotor and low speed ensure less vibration, less noise and a longer service life. High-precision bearings and high-quality shaft seals ensure reliable operation, a long service life and zero leakage. The service life of the bearings is up to 60,000 hours.

SPEED CONTROL FOR HIGH ENERGY SAVINGS

By varying the motor speed, the speed-controlled screw compressors only consume as much power as is actually required to generate the required amount of compressed air. By precisely adjusting the volume flow to the respective compressed air requirement, costly idle times are reduced to a minimum (idling means: approx. 25 - 30% total power consumption of the compressor without generating compressed air).



AIR-COOLED PERMANENT MAGNET MOTOR

Driven by a highly efficient, air-cooled IE4/IP65 permanent magnet motor. The frequency inverter control is more precise and the cooling fins ensure even cooling. No demagnetisation at the highest operating temperatures. Long service life and reliable energy savings.



5 YEARS OF WARRANTY

We trust in the quality of our products and therefore offer you more than the legal warranty requires - 5 years of carefreeness with firstCAir.



SUSTAINABILITY AND A FOCUS ON THE FUTURE

firstAir focuses on sustainable solutions that not only increase your productivity, but also protect the environment. Our FASM series compressors are designed to minimize your energy consumption while maximizing performance. This helps to reduce your operating costs and improve your environmental footprint.

firstAir FASM - Technical Data

Machine Model FASM			7	11	15	18	22	30	37
FAD	5 bar	m ³ /min	0.49 - 1.23	0.78 - 1.96	1.14 - 2.86	1.48 - 3.70	1.76 - 4.40	2.40 - 6.00	2.98 - 7.45
	7 bar	m ³ /min	0.44 - 1.10	0.70 - 1.75	1.02 - 2.55	1.32 - 3.30	1.60 - 4.00	2.16 - 5.40	2.68 - 6.70
	8 bar	m ³ /min	0.41 - 1.02	0.66 - 1.65	0.96 - 2.40	1.20 - 3.00	1.52 - 3.80	2.08 - 5.20	2.52 - 6.30
	10 bar	m ³ /min	0.38 - 0.95	0.60 - 1.50	0.82 - 2.05	1.02 - 2.55	1.36 - 3.40	1.84 - 4.60	2.30 - 5.75
	12 bar	m ³ /min	0.33 - 0.83	0.56 - 1.40	0.74 - 1.85	0.92 - 2.30	1.20 - 3.00	1.62 - 4.05	2.02 - 5.05
	13 bar	m ³ /min	0.31 - 0.77	0.52 - 1.30	0.69 - 1.72	0.86 - 2.14	1.12 - 2.79	1.15 - 3.77	1.88 - 4.70
Drive type			Direct Drive						
Electrical motor	Power	kW	7.5	11	15	18.5	22	30	37
	Voltage / Frequency	V/Hz	380/400/415V, 50Hz						
Noise level	dBA		68 ± 3	68 ± 3	68 ± 3	70 ± 3	70 ± 3	72 ± 3	72 ± 3
Discharge temperature	°C		≤ Ambient temperature + 15						
Connection outlet			G3/4"	G3/4"	G3/4"	G1"	G1"	G1-1/4"	G1-1/4"
Dimensions	Length	mm	680	680	680	780	780	920	920
	Width	mm	680	680	680	780	780	840	840
	Height	mm	1220	1240	1240	1300	1300	1422	1422
	Weight	kg	245	260	270	300	320	425	450

The data and performance were recorded in accordance with standard ISO 1217 Annex C.

FASM: MAXIMUM EFFICIENCY AT AN UNBEATABLE PRICE

Speed controlled, belt driven
screw compressor



Speed controlled, direct driven
screw compressor



VS

Nominal Motor Power

30 kW

Effective volume flow at 13 bar

1.51 - 3.78 m³/min

Total package power compressor

36.43 kW

Pspec.

9.63 kW/(m³/min)

Air demand/Year*

800.000 m³

„Load“ h/Year

3.527

Energy Costs

0.35 €/kWh

Load Costs/Year

44.971 €

Effective volume flow at 13 bar

1.51 - 3.77 m³/min

Total package power compressor

33.92 kW

Pspec.

8.99 kW/(m³/min)

Air demand/Year*

800.000 m³

„Load“ h/Year

3.537

Energy Costs

0.35 €/kWh

Load Costs/Year

41.991 €

„Load“ savings / Year

2.980 €

+

lower maintenance costs &
longer service life

*based on the air requirement of 800,000 m³/year



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