

GEAR SCREW COMPRESSOR







QUALITY AND INNOVATIONS MADE IN GERMANY.

Decades of experience and excellent performance

ALMiG is one of the leading compressed air technology system providers and has decades of experience delivering premium products in the compressed air sector. Companies all around the world trust in our customer focused solutions, our quality, innovation and flexibility. Our advanced compressor technologies combine excellence with the quietest possible running performance, optimal energy efficiency and particularly careful conservation of resources.

Ongoing development and comprehensive industry knowledge

Constant research and development form the essential foundation for the efficiency of every system manufactured by ALMiG. Only these constant enhancements and improvements enable us to react quickly and flexibly to individual customer wishes. This attitude is complemented by a comprehensive understanding of the sector: we understand the challenges that our customers are faced with and the requirements that arise as a consequence. ALMiG offers effective solutions for a wide range of applications – from small craft workshops to medium-sized companies to big industry.

Complete service and maximum availability

The highest quality technological solutions deserve an equally high level of service. The ALMiG service provisions offer our customers a complete service programme: from providing comprehensive advice to ensuring availability, improving cost-effectiveness and developing energy-saving potential. As an expert partner, ALMiG offers its customers advice and support on all issues. Our goal is to contribute to your economic success with our service offerings.

ALMiG: Compressor Systems Made in Germany

Piston compressors

Screw compressors

Turbo compressors

Scroll compressors

Special installations

Controllers

Compressed air treatment

Services

GEAR

High delivery volume that packs a punch

The screw compressors of the GEAR series are particularly suitable for very high compressed air requirements. The product range offers delivery volumes of 10.34 to 71.15 m³/min at operating pressures of 8, 10 and 13 bar.

The maintenance- and service-friendly drive concept of the GEAR compressors includes a robust drive motor with high power reserves.

The highly efficient gearbox delivers minimum slip, high reliability, is virtually free of losses with an efficiency of >98% and is gentle on the drive. What's more, highly efficient separation of the cooling medium enables a minimum residual oil content of just 2 - 3 mg/m³.

Due to the enclosed design of the gear set, these systems are suitable for use under the toughest operating conditions.

Application

Industry

Power output

90 - 500 kW

Volume flow acc. to ISO 1217
(Annex C-2009)

8 bar: 15.30 - 71.15 m³/min

10 bar: 13.25 - 64 m³/min

13 bar: 10.34 - 33.31 m³/min

Operating pressure

8 - 13 bar

Cooling

Air (standard);

Water (option);

GEAR 315 – 500 only water-cooled

Drive

Gearbox

Motor

Energy efficiency class IE 3; IP 55
protection, protection class F



- + Ideal for very high compressed air requirements
- + Robust drive unit with high power reserves
- + Virtually free of losses with an efficiency of >98%
- + Maintenance- and service-friendly drive concept

Drive system

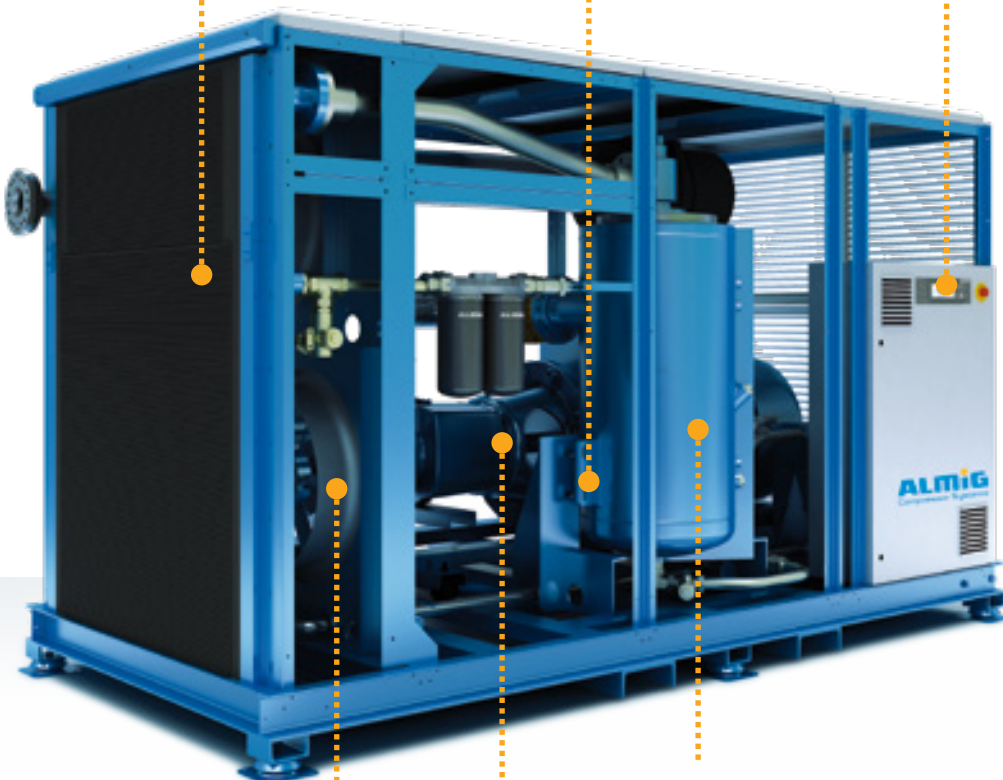
Driven by perfectly matched gearbox

Cooling unit

Large cooler for minimum compressed air outlet temperatures

Air Control

Smart controller that monitors, visualises and documents



Fan

Optimum cooling, high residual thrust

Separation system

Outstanding compressed air quality from proven multi-stage separation

Compressor stage

State-of-the-art stage technology, with integrated gear set

Suitable controllers:

AIR CONTROL P



Standard

AIR CONTROL HE



Optional

GEAR



GEAR 90–200

50 Hz								
GEAR	Volume flow <small>acc. to ISO 1217 (Annex C-2009)</small>			Rated motor power	Length	Width	Height	Weight
	8 bar	10 bar	13 bar					
Model	m ³ /min	m ³ /min	m ³ /min	kW	mm	mm	mm	kg
90	15.30	13.25	10.34	90	2600	1400	1860	2700
110	19.10	16.46	13.10	110	2600	1400	1860	2950
132	22.99	19.94	16.58	132	2800	1400	2025	3830
160	27.38	24.49	19.89	160	2800	1400	2025	3900
200	29.65	29.46	24	200	2800	1400	2025	4150



GEAR 201 – 500

50 Hz								
GEAR	Volume flow acc. to ISO 1217 (Annex C-2009)			Rated motor power	Length	Width	Height	Weight
	8 bar	10 bar	13 bar					
Model	m ³ /min	m ³ /min	m ³ /min	kW	mm	mm	mm	kg
201	36.41	32.44	25.60	200	3400	1650	2025	4200
250	44.15	39.24	33.31	250	3400	1650	2025	4300
315	53.21	45.71	on request	315	3400	1650	2025	5700
355	61.66	52.74	on request	355	3600	2100	2200	5750
400	65.94	58.41	on request	400	3600	2100	2200	5900
450	-	64.10	on request	450	3600	2100	2200	6200
500	71.15	64	on request	500	3600	2100	2200	6800

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