

DIRECT 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

DIRECT

High performance with direct drive

ALMiG's DIRECT series is setting standards in the world of compressed air systems with direct drives: the motor's output is transferred directly to the compressor stage, i.e. without the loss experienced with a V-belt or gear drive.

This type of drive is around 99.9% efficient and is therefore much more efficient than standard drives.

The unique design concept of the DIRECT series makes it incredibly cost-effective in every kW class and therefore highly versatile. It ensures that your company benefits from compressed air generation at minimum operating costs around the clock.

When these compressors with direct drive are combined with the VARIABLE and V-Drive series, they form an unbeatable energy-saving duo.

Advantages when combined with VARIABLE:

- Same system design
- Same components
- Same supply of spare parts
- Same handling
- Outstanding cost-effectiveness

Application

Industry

Power output

90 - 315 kW

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

11.47 - 48.30 m³/min

Operating pressure

5 - 13 bar

Cooling

Air (standard)

Water (option)

DIRECT 315 only water-cooled

Drive

Direct

Motor

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



- + Loss-free transmission of the drive power to the compressor stage – nearly 100% efficient
- + Highly versatile due to unique design concept
- + High performance and reliability at minimum operating costs
- + Unbeatable energy efficiency in combination with VARIABLE and V-Drive

Separation system

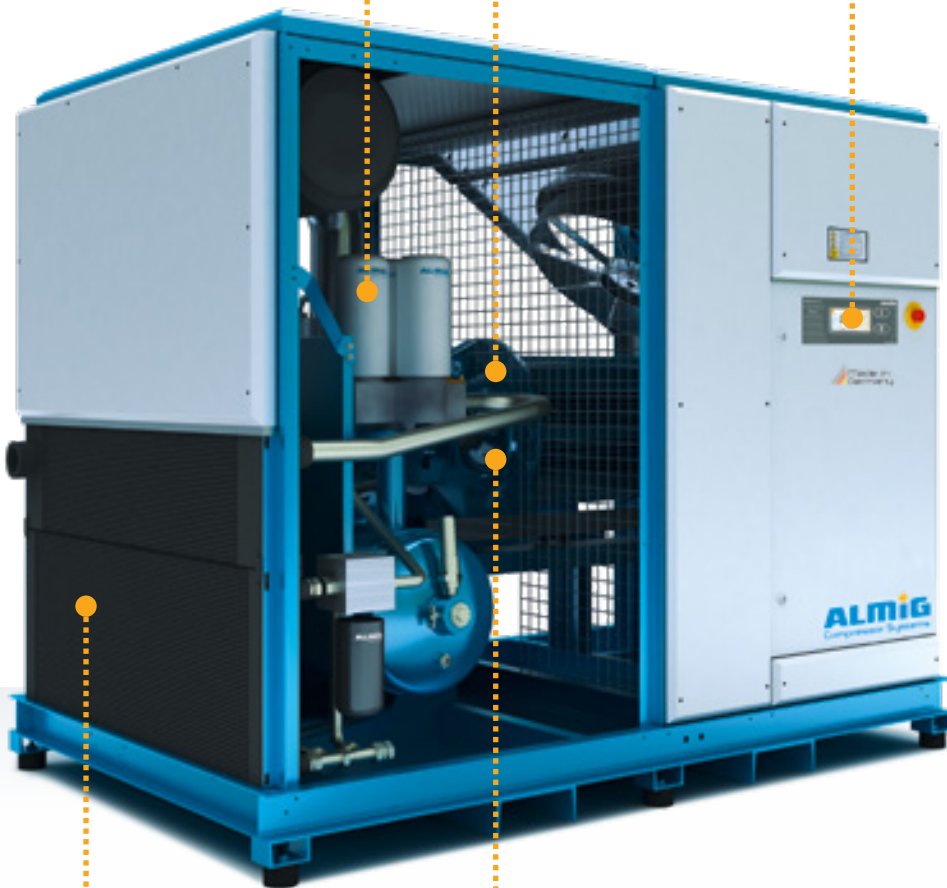
Outstanding compressed air quality from proven multi-stage separation

Drive system

Highly efficient, loss-free direct drive

Air Control

Smart controller that monitors, visualises and documents



Cooling unit

Large cooler for minimum compressed air outlet temperatures and optimum coolant temperatures

Compressor

High-performance, excellent efficiency

Suitable controllers:

AIR CONTROL P



Standard

AIR CONTROL HE



Optional

DIRECT



DIRECT 280–315

50 Hz							
DIRECT	Operating overpressure	Volume flow acc. to ISO 1217 (Annex C-2009)	Rated motor power	Length	Width	Height	Weight
Model	bar	m ³ /min	kW	mm	mm	mm	kg
90	13	11.47	90	2300	1400	1860	2200
132	8	23.90	132	2700	1686	1888	3500
160	11.5	23.37	160	2700	1686	1888	3900
280	8	48.30	315	3400	1650	2025	4300
315	10	48	315	3400	1650	2025	4400

60 Hz							
DIRECT	Operating overpressure	Volume flow <small>acc. to ISO 1217 (Annex C-2009)</small>	Rated motor power	Length	Width	Height	Weight
Model	psig	acfm	HP	in	in	in	lbs
90/125	145	493	125	90.6	55.1	73.2	4519
160/215	125	1009	215	90.6	55.1	79.7	7606
315/425	110	2049	425	134	65	79.7	9700

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