

Screw compressors

Series VARIO 5 – 22

Capacity:

0.40 – 3.32 m³/min



VARIO

Intelligence, Innovation, Reliability

Purely for a large number of versions

Low-cost, high quality compressed air

Modular design allows a wide range of models

Reliable technology, tested components

Ready for connection, compact and quiet

Intelligent microprocessor control system

Easy to maintain design



*Also available
as a packaged
compressed
air station*

Maximum benefits for our customers:

This premise holds true for everyone at ALMIG.

Our products benefit from the latest techniques in research and development and are manufactured according to ISO 9001: 2000 / ISO 14001: 2004 / IRIS.

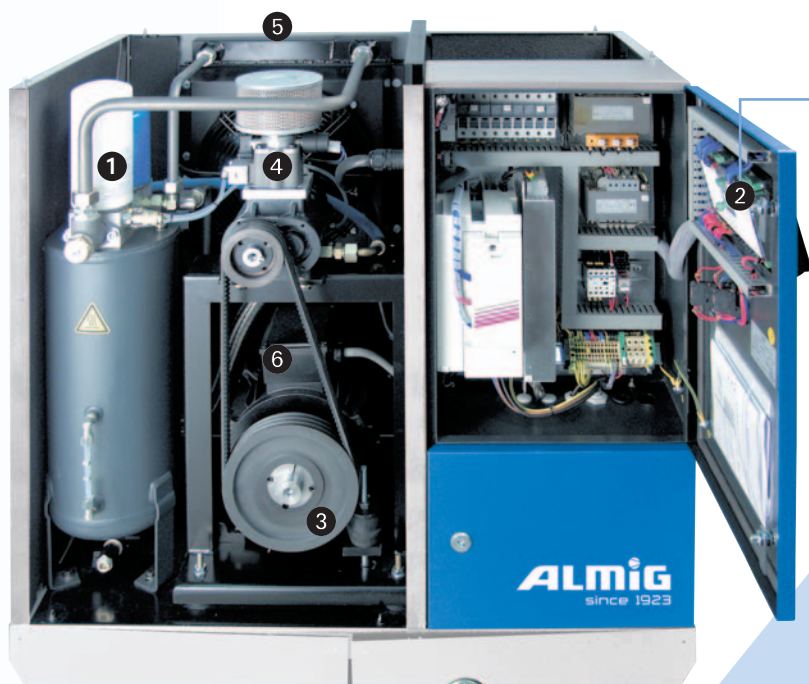
They fulfil all acceptance criteria according to ISO 1217 – 3 annex C – 1996 and conform to the CE-guidelines.

Even the most stringent conditions, such as DET NORSKE VERITAS, GERMANISCHER LLOYD, BUREAU VERITAS, LLOYD'S REGISTER OF SHIPPING, ABS among others, are for us at ALMIG a matter of course.



intelligent compressed air ... everywhere ■ ■ ■ intelligent compressed air ... everywhere ■ ■ ■ intelligent compressed air ... everywhere ■ ■ ■

Assembly, Technique, Highlights



1 Separator system

Very high quality compressed air with multistage separation

2 Air Control 1

The "brain" of the compressor: thinks, monitors, records

3 Drive system

Highly-efficient and safe belt drive with automatic tensioning

4 Compressor unit

Very efficient, specially developed, patented rotors

5 Cooler

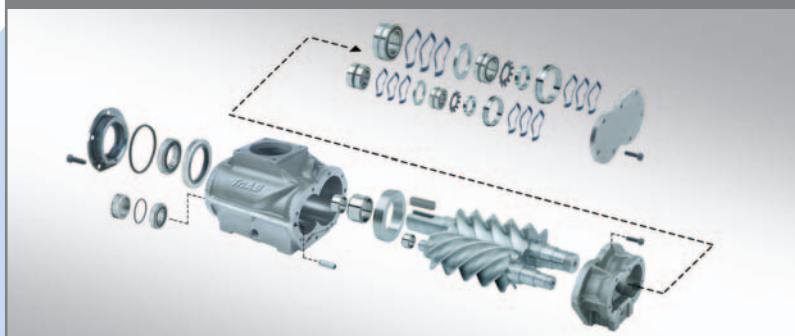
Large surface cooler provides very low discharge temperatures and optimum coolant temperatures

6 Drive motor

Highly efficient, robust drive motor with plenty of power in reserve

Processing: optional all-in-one compressed air production with integrated cold dryer and filtration functions

Benefits at a glance: Patented compressor unit, automatic belt tensioning, multistage separation



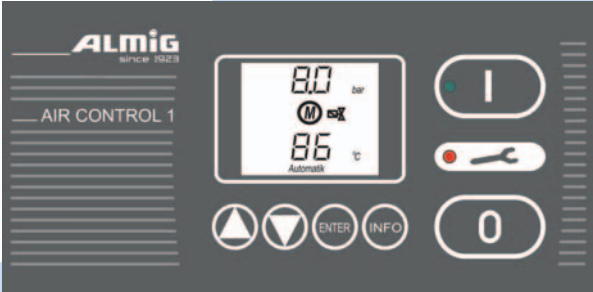
Type	Air flow according to ISO 1217 (annex C-1996)				Motor power	Length	Width	Height	Weight ¹⁾
	8 bar (m³/min)	10 bar (m³/min)	13 bar (m³/min)	15 bar (m³/min)	kW	mm	mm	mm	kg
VARIO 5*	0.78	0.69	0.54	0.40	5.5	1030	615	1045	270
VARIO 7*	1.20	1.04	0.80	0.64	7.5	1030	615	1045	275
VARIO 11*	1.65	1.40	1.17	0.95	11	1030	615	1045	280
VARIO 15*	2.01	1.72	1.49	1.16	15	1030	615	1045	285
VARIO 16*	2.32	1.93	1.62	1.30	15	1030	615	1045	295
VARIO 18**	2.82	2.50	2.10	1.64	18.5	1800	710	1170	480
VARIO 22**	3.32	2.95	2.50	1.93	22	1800	710	1170	480

1) VARIO_T + 35 kg

* Available mounted on receiver (VARIO_TR) 270 litres L x B x H (1180 x 615 x 1645) / + 115 kg
500 litres L x B x H (1960 x 615 x 1645) / + 180 kg

** Available mounted on receiver (VARIO_TR) 500 litres L x B x H (1960 x 710 x 1800) / + 240 kg

Air Control 1



ALMIG Air Control 1

Microprocessor control system for safe monitoring of all functions.

Control, regulation, monitoring, early warning and, in the worst case scenario, error diagnosis are the major tasks carried out by your compressor’s “brain” which is included as standard in all the models in the series.

The compressor system can be integrated in a higher-level control system with an RS485 databus.



Compatibility, Flexibility, Variety

Screw compressors in the VARIO 5 - 22 series

The economical way to generate compressed air.

The VARIO series of compressors is designed for use both by small businesses and tradesmen and in demanding industrial applications.



- VARIO 5 - 22 series screw compressors - standard model



- Screw compressor VARIO 5 - 22 T model with
 - cold drier (+3°C DTP)
 - filtration



- Screw compressor VARIO 5 - 22 TR model with
 - cold drier (+3°C DTP)
 - filtration
 - mounted on receiver (270 or 500 litres)

—> *All-in-one compressed air station*



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Products, Concepts, Solutions

Built on the needs of the customer

With our innovative system concepts we offer customised solutions for almost all applications.

Our endeavour lies not only in supplying compressors, we offer ourselves as a

competent system provider, who is able to offer solutions to all users of compressed air.

That does not only apply to the consultation and installation phase of your new compressor(s), but naturally continues in all areas of service, maintenance and visualisation.

Challenge us!



Screw compressors

- constant speed
2.2 – 500 kW/
5 – 13 bar
- variable speed
controlled and
direct drive
3 – 315 kW/
5 – 13 bar
- oil-free, with
water injection
15 – 55 kW/
5 – 10 bar



Piston compressors

- oil-free,
up to 10 bar
1.1 – 12 kW
- for normal
pressure up
to 10 bar
1.5 – 15 kW
- for medium
pressure up
to 15 bar
1.5 – 15 kW
- for high pressure
up to 40 bar
2.2 – 45 kW
- as a booster for an
input pressure up
to 15 bar and an
output pressure
up to 40 bar
2.2 – 30 kW



Blower

- at constant speed
1.5 – 55 kW
300 – 1000 mbar
- with speed
regulator and
direct drive
3.0 – 55 kW
300 – 1000 mbar



Turbo compressors

- oil-free,
up to 9 bar
65 – 370 kW



Complete accessories

- refrigeration
dryers
0.27 – 100 m³/min
- desiccant dryers
0.08 – 145 m³/min
- activated carbon
adsorbers
0.08 – 145 m³/min
- filters,
all particle sizes
0.5 – 225 m³/min
- complete
condensate
management up to
120 m³/min



**Control,
regulate,
monitor**

- lead-lag control
- consumption-
dependant
control
- visualisation
(we bring your
compressed air
to the PC)
- tele-monitoring
(the hotline of
your compressed
air station)

Your specialist

ALMIG
since 1923

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