

Screw compressors

BELT 4-37

Capacity:

0.43 – 5.78 m³/min



BELT
DRIVE

Intelligence, innovation, reliability

The small power package

small, compact, powerful

great diversity of variants

clear, maintenance-friendly design

super sound insulation as standard feature

intelligent microprocessor controls

optimal system efficiency



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.

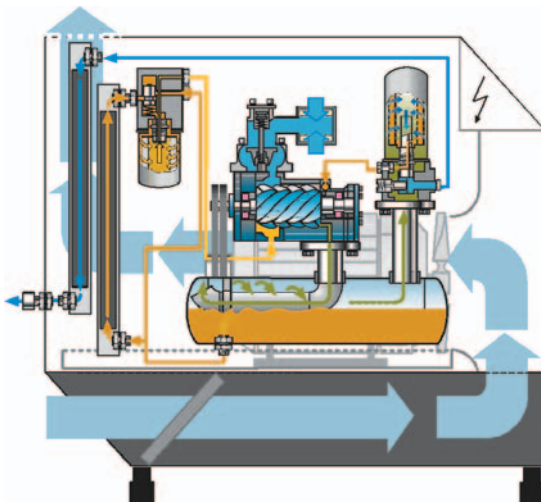
They fulfil all acceptance criteria according to ISO 1217 – 3 annex C – 1996 and conform to the CE-guidelines.

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.

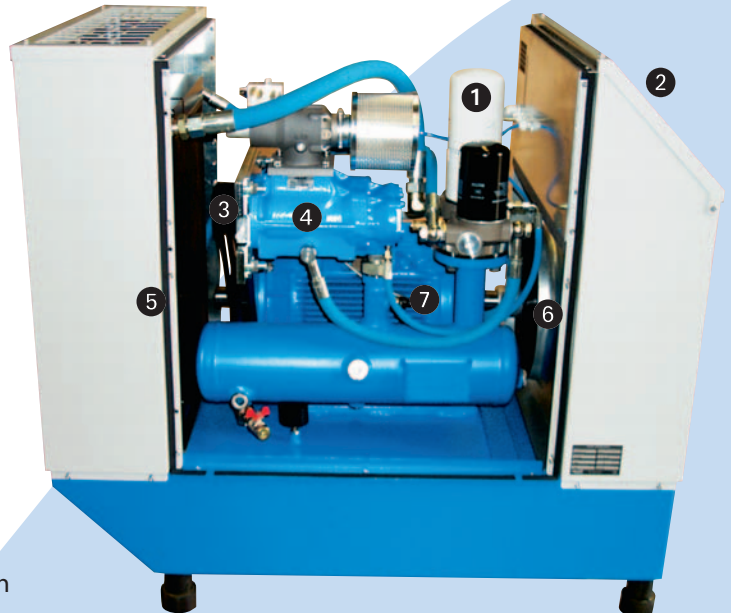


intelligent compressed air ... everywhere ■ ■ ■ intelligent compressed air ... everywhere ■ ■ ■ intelligent compressed air ... everywhere ■ ■ ■

Assembly, technique, highlights



- 1 Separating system**
highest compressed air quality through proven multi-stage separation
- 2 Air Control**
the intelligence of the compressor; thinks, monitors, records (available in two versions)
- 3 Drive system**
highly efficient, operationally safe V-belt drive
- 4 Air end**
high performance, excellent efficiency



- 5 Cooling unit**
large surface-area radiators for lowest compressed air outlet temperatures and optimum thermostat-controlled coolant temperatures
- 6 Fan**
powerful, efficient, high-performance
- 7 Drive motor**
Robust drive motor with reserves

Manufacture



Test

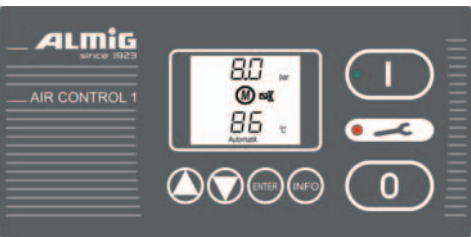


Service

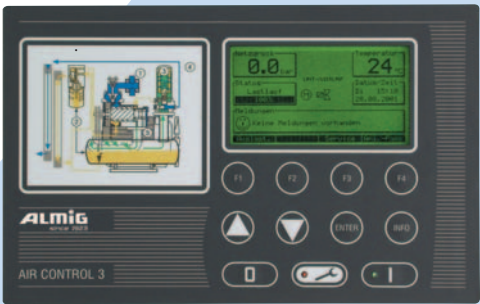


Data, facts, analysis

Type	Air flow according to ISO 1217 (annex C-1996)			Motor power	Length	Width	Height	Weight
	8 bar (m³/min)	10 bar (m³/min)	13 bar (m³/min)	kW	mm	mm	mm	kg
BELT 4	0.65	0.54	0.43	4.0	605	945	900	190
BELT 5	0.88	0.78	0.65	5.5	605	945	900	190
BELT 7	1.20	1.07	0.87	7.5	605	945	900	205
BELT 11	1.70	1.50	1.32	11.0	605	945	900	220
BELT 15	2.24	1.98	1.63	15.0	605	1010	900	235
BELT 16	2.52	2.17	1.75	15.0	795	1270	1170	435
BELT 18	2.97	2.62	2.27	18.5	795	1270	1170	450
BELT 22	3.54	3.12	2.67	22.0	795	1270	1170	485
BELT 30	4.60	4.12	3.40	30.0	795	1270	1170	580
BELT 37	5.78	5.15	4.42	37.0	795	1270	1170	595



Air Control 1



Air Control 3

ALMIG Air Control

The microprocessor controls for the safe monitoring of all functions.

Control, regulate, monitor, early-warning and in "extreme cases" – failure diagnosis – these are the main tasks for the "brain" of your compressor, a standard feature of all our screw compressors.

Available in 2 variants.



Compatibility, flexibility, diversity

The BELT 4-37 series is designed so that the units can be employed in a great variety of ways and applications.

You can install this series:

- ... as standard compressor



BELT 4-37

In any case, the series sets new standards for its power class with regard to quality, operational safety, service life and user comfort.

- ... with coupled refrigeration dryer, which can also be added later

BELT 4-37



- ... mounted on a tank

BELT 4-15



- ... mounted on a tank with refrigeration dryer

BELT 4-15



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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