

Screw compressors
Series BELT 38 – 250

Capacity:
4.6 – 43.07 m³/min



BELT
DRIVE

Intelligence, Innovation, Reliability

In the end, power is what counts

economical supply of compressed air

high-quality compressed air

compact and service-friendly

easy to install

intelligent microprocessor

sequence control



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.



ABS



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Assembly, Technique, Highlights



BELT 76 – 132

BELT 76 – 132

- 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 reliable 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

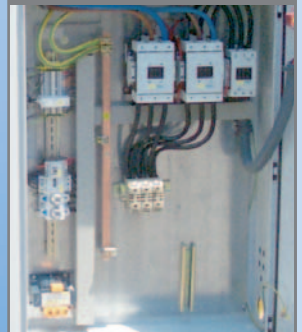
Drive system



Compressor rotors



Switch cabinet



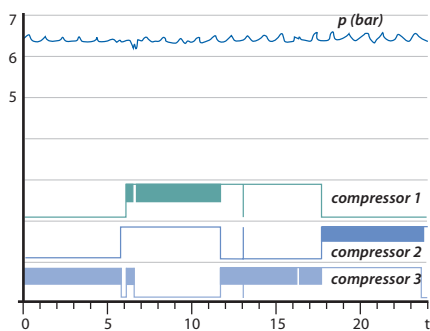
Data, Facts, Analysis

Typ	Air flow according to ISO 1217 (annex C-1996)			Motor power kW	Length mm	Width mm	Height mm	Weight kg
	8 bar (m ³ /min)	10 bar (m ³ /min)	13 bar (m ³ /min)					
BELT 38	5.97	5.57	4.60	37	1750	1080	1600	880
BELT 45	8.07	7.04	5.50	45	1750	1080	1600	1070
BELT 55	9.37	8.60	7.00	55	1750	1080	1600	1170
BELT 75	11.86	10.40	9.10	75	1750	1080	1600	1180
BELT 76	12.90	11.45	10.00	75	2300	1400	1525	1750
BELT 90	15.53	13.54	11.90	90	2300	1400	1525	2080
BELT 110	18.24	16.06	14.25	110	2300	1400	1525	2300
BELT 132	20.47	18.04	16.00	132	2300	1400	2025	2950
BELT 133	21.79	19.33	16.87	132	2500	1400	2125	3500
BELT 160	26.84	24.65	21.18	160	2500	1400	2125	3650
BELT 200	30.15	28.84	24.95	200	2500	1400	2125	3850
BELT 201	31.32	27.97	23.88	200	3200	1680	2060	3900
BELT 250	40.79	35.32	28.57	250	3200	1680	2060	4100

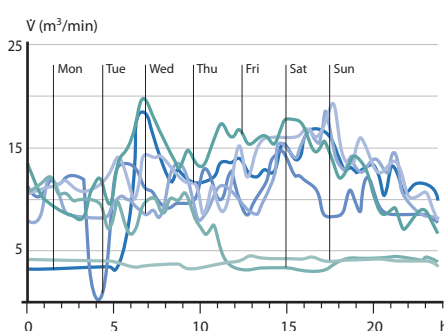
air and water-cooled model available
intermediate pressure levels upon request, gradation in intervals of 1 bar,

various systems of heat utilization available

Operating conditions/pressure
Day profile



Air flow
Week profile



In typical installation as shown there is an enormous energy saving potential!

Decisions can be made only on the basis of facts. Therefore: **First analyse, then decide.**

This is reason enough to allow the specialists from ALMIG to determine your current compressed air consumption, and with the help

of accurate measurements, develop the optimum system solution together with you.



Compatibility, Flexibility, Energy savings

Powerful in every kW class

The BELT 38 – 250 series is designed so that due to its unique design concept it can be operated extremely efficiently in every kW range, thus being suitable for a multitude of applications.

- ... as standard compressor



BELT 38 – 75



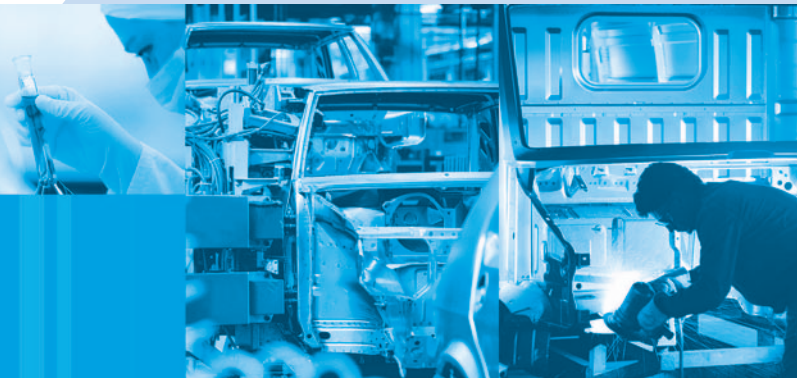
BELT 76 – 132



BELT 133 – 200



BELT 201 – 250



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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

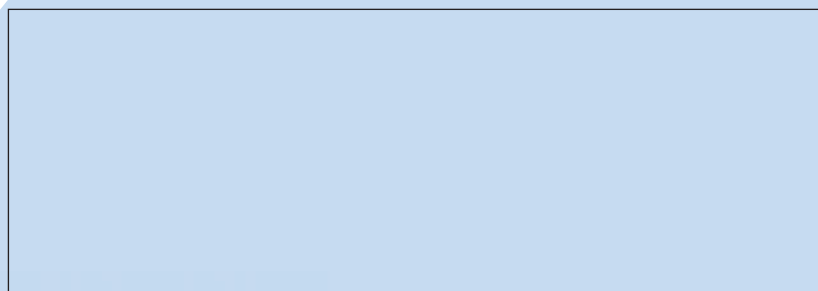
- refrigeration
dryers
0.27 – 100 m³/min
- desiccant dryers
0.08 – 145 m³/min
- activated carbon
adsorbers
0.08 – 145 m³/min
- filters,
all particle sizes
0.5 – 225 m³/min
- complete
condensate
management up to
120 m³/min



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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