

# BELT 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

# BELT

## Powerful for versatile applications

The unique design concept of the BELT series makes it cost-effective in every kW class and therefore highly suitable for versatile applications.

With its robust and proven components, the series ensures a high compressor output and reliability around the clock. The tenacious compressors are fitted with a low-maintenance V-belt drive, which transfers the 4 to 37 kW of power with virtually no losses.

The BELT series enables very cost-effective and reliable usage in a volume flow range of up to 5.78 m<sup>3</sup>/min. The fixed speed concept of the series also delivers long service lives and low maintenance costs, making the screw compressors especially well suited for use as base load compressors in continuous operation.

### The product range

3 variants with various outputs and volume flows:

- BELT 4–37
- BELT 4–37 "PLUS"\*
- BELT 4–37 "O"\*\*

\* "PLUS" variant with attached compressed air refrigeration dryer, can also be retrofitted.

\*\* "O" variant with attached compressed air refrigeration dryer and filter system comprising 1x depth filter and 2x active carbon filter for generating technically oil-free compressed air.

### Application

Industry

### Power output

4 - 37 kW

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

8 bar: 0.65-5.78 m<sup>3</sup>/min

10 bar: 0.54-5.15 m<sup>3</sup>/min

13 bar: 0.43-4.42 m<sup>3</sup>/min

### Operating pressure

5 - 13 bar

### Cooling

Air-cooled (standard)

Water-cooled (option as of 11 kW)

### Drive

V-belt

### Motor

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



- + Versatile use thanks to numerous possible extension options
- + Proven V-belt drive
- + Low maintenance costs due to long service lives



**Maintenance-friendly design**

**Air Control**

Smart controller that monitors, visualises and documents

**Efficient cooling air guide**

Suitable controllers:

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**AIR CONTROL B**



Standard

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**AIR CONTROL P**



Optional

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**AIR CONTROL HE**



Optional

**Horizontal separating tank**

With external fine separator cartridges

**Base frame**

Torsion-resistant

**Coolant filter**

# BELT



BELT 4-37

50 Hz								
BELT	Volume flow acc. to ISO 1217 (Annex C-2009)			Rated motor power	Length	Width	Height	Weight
	8 bar	10 bar	13 bar					
Model	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	kW	mm	mm	mm	kg
4	0.65	0.54	0.43	4	1020	700	930	200
5	0.88	0.78	0.65	5.5	1020	700	930	200
7	1.20	1.07	0.87	7.5	1020	700	930	230
11	1.70	1.50	1.32	11	1270	890	1190	250
15	2.24	1.98	1.63	15	1270	890	1190	250
16	2.52	2.17	1.75	15	1270	890	1190	400
18	2.97	2.62	2.27	18.5	1270	890	1190	410
22	3.54	3.12	2.67	22	1270	890	1190	470
30	4.60	4.12	3.40	30	1270	890	1190	560
37	5.78	5.15	4.42	37	1270	890	1190	590



BELT 4–37 "PLUS"

60 Hz									
BELT	Volume flow acc. to ISO 1217 (Annex C-2009)				Rated motor power	Length	Width	Height	Weight
	100 psig	125 psig	150 psig	190 psig					
Model	acfm	acfm	acfm	acfm	HP	inch	inch	inch	lbs
4 / 5	25	23	20	-	5.5	40.2	27.6	36.6	419
5 / 7	32	30	26	24	7.5	40.2	27.6	36.6	419
7 / 10	43	41	37	30	10	40.2	27.6	36.6	452
11 / 15	64	60	53	46	15	40.2	27.6	36.6	485
15 / 20	87	78	72	62	20	40.2	27.6	36.6	518
16 / 21	97	91	83	62	20	50	35	46.9	959
18 / 25	113	101	94	78	25	50	35	46.9	992
22 / 30	127	120	112	98	30	50	35	46.9	1069
30 / 40	174	156	148	122	40	50	35	46.9	1279
37 / 50	203	182	176	160	50	50	35	46.9	1312

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