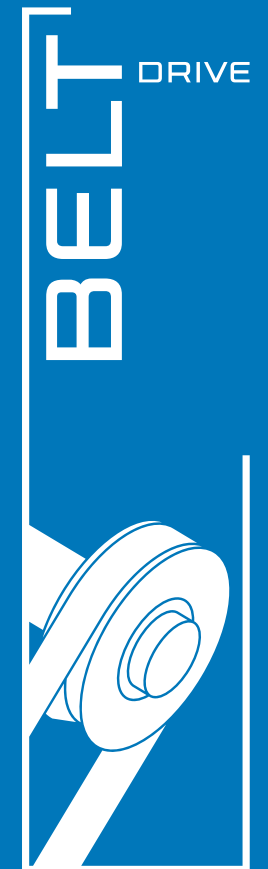
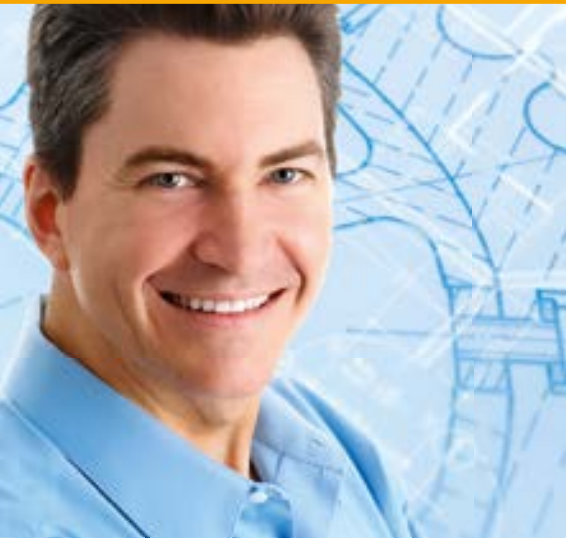


## SCREW COMPRESSORS

Volumetric flow rate: 0.43 – 30.52 m<sup>3</sup>/min • 20 – 1100 acfm



# WE HAVE THE RIGHT PRODUCT FOR ALMOST ANY APPLICATION!

## ALMiG Kompressoren GmbH

A name that guarantees top-grade technology in the compressed air sector. ALMiG has emerged from a company with a long tradition whose products in the compressed air industry have always stood for quality, innovation and consideration of its customers.

Today ALMiG is an extremely flexible company which can react fast to special customer requests. It stands by its customers as a competent partner, giving advice and practical support.

It goes without saying that as one of the leading suppliers of advanced compressed air systems, our commitment to continuous research and development forms the basis for all the plants we manufacture.

They meet the acceptance criteria in compliance with:

- ISO 1217-3 Annex C-1996
- ASME
- OSHA

and comply with the CE guidelines.

Even the most stringent acceptance criteria such as:

- DET NORSKE VERITAS
- GERMANISCHER LLOYD
- BUREAU VERITAS
- LLOYD' s REGISTER OF SHIPPING
- ABS

is a matter of course for us.

The company ALMiG is certified in compliance with:

- IRIS 02
- ISO 9001: 2008
- ISO 14001: 2004

**Our motto is:**

If you have stopped improving, you have stopped being good!

## ALMiG supplies:

■ piston compressors

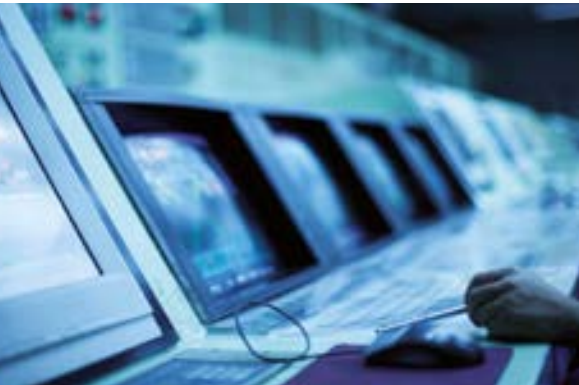
■ screw compressors

■ special machines

■ controls

■ compressed air treatment

■ services



# INTELLIGENT MODULAR SYSTEM



BELT  
4 - 37

BELT  
4 - 37 „PLUS“\*

BELT  
38 - 55

BELT  
76 - 200

\*  
"PLUS" version: with docked-on refrigerant compressed air dryer; can also be retrofitted  
"O" version: with docked-on refrigerant compressed air dryer and filter system consisting of 1 x depth filter and 2 x active carbon filters for the production of technically oil-free compressed air

According to DIN ISO 8573 - 1 this means: 

Residual constituents in compressed air	Volume	Class
Oil	0.003 mg/m <sup>3</sup>	1
Particles	< 0.01 µm	1
Water	PDP + 3°C/37 F	4



### Separating system 1

top compressed air quality thanks to proven multi-stage separation

### Air Control 2

the intelligence of the compressor; thinks, monitors, records. Can be connected to the Internet, making all conceivable communication possible.

### Drive system 3

highly efficient, operationally reliable V-belt drive

### Air end 4

high performance, excellent efficiency

### Cooling unit 5

large surface-area coolers for lowest compressed air outlet temperatures and optimum thermostat-controlled coolant temperatures

### Fan 6

powerful, efficient, high-performance

### Drive motor 7

robust drive motor designed with reserves

Air Control B (BELT 4 - 55)



Air Control P (BELT 76 - 200 • optional for BELT 4 - 55)



Air Control HE - the intelligent global control system



Compressor rotors



## INTELLIGENT COMPONENT ARRANGEMENT



# INTELLIGENT ANALYSIS

## Or can you afford to give money away?

The conception of the BELT 4 - 200 series is such that, owing to its unique design principle, it can be operated extremely economically in any kW class and can therefore be utilised in many different applications.

These fixed-speed compressors are particularly suitable to be used as base-load compressors.

**The following measurement graphs show that there is an enormous energy-saving potential!**

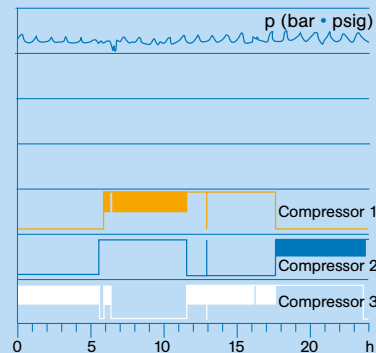
Only on the basis of facts can decisions be made.

Therefore:

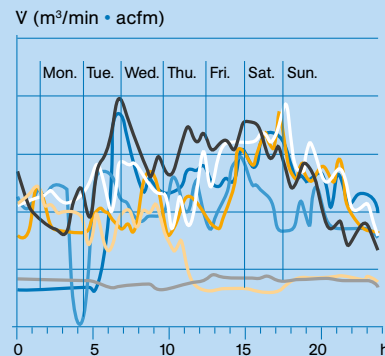
**analyse first, then decide.**

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.

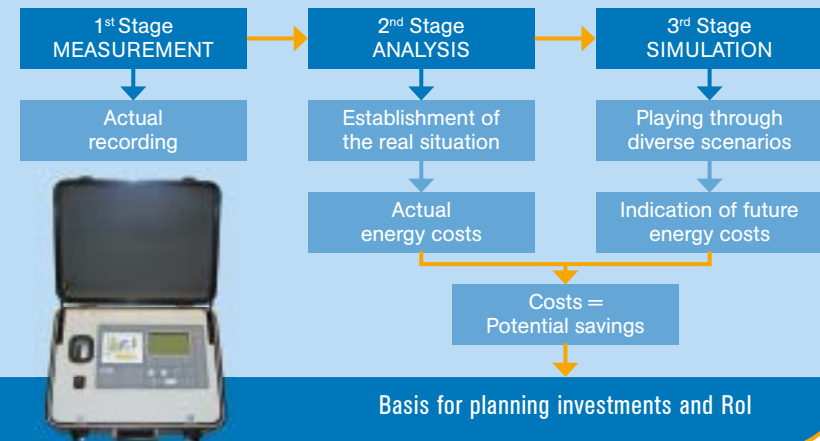
Operating conditions/Pressure - daily profile



Air flow - weekly profile



EBS Energy Balancing System



## FACTS AND FIGURES

50 Hz									60 Hz									
BELT	Vol. flow rate according to ISO 1217 (annex C-1996)			Rated motor output	Length	Width	Height	Weight	BELT	Vol. flow rate according to ISO 1217 (annex C-1996)				Rated motor output	Length	Width	Height	Weight
	7 bars	10 bars	13 bars							100 psig	125 psig	150 psig	190 psig					
	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	kW	mm	mm	mm	kg		acfm	acfm	acfm	acfm					
4	0.65	0.54	0.43	4	1020	700	930	200	4 / 5	25	23	20	-	5.5	40.2	27.6	36.6	441
5	0.88	0.78	0.65	5.5	1020	700	930	200	5 / 7	32	30	26	24	7.5	40.2	27.6	36.6	441
7	1.20	1.07	0.87	7.5	1020	700	930	230	7 / 10	43	41	37	30	10	40.2	27.6	36.6	507
11	1.70	1.50	1.32	11	1270	890	1190	250	11 / 15	64	60	53	46	15	50	35	46.9	551
15	2.24	1.98	1.63	15	1270	890	1190	250	15 / 20	87	78	72	62	20	50	35	46.9	551
16	2.52	2.17	1.75	15	1270	890	1190	400	16 / 21	97	91	83	62	20	50	35	46.9	882
18	2.97	2.62	2.27	18.5	1270	890	1190	410	18 / 25	113	101	94	78	25	50	35	46.9	904
22	3.54	3.12	2.67	22	1270	890	1190	470	22 / 30	127	120	112	98	30	50	35	46.9	1036
30	4.60	4.12	3.40	30	1270	890	1190	560	30 / 40	174	156	148	122	40	50	35	46.9	1235
37	5.78	5.15	4.42	37	1270	890	1190	590	37 / 50	203	182	176	160	50	50	35	46.9	1301
38	5.97	5.57	4.60	37	1750	1080	1600	880	38 / 51	-	214	190	166	50	68.9	42.5	63	1940
45	8.24	7.04	5.50	45	1750	1080	1600	1100	45 / 60	305	271	240	204	60	68.9	42.5	63	2425
55	9.94	8.60	7	55	1750	1080	1600	1170	55 / 75	376	338	296	254	75	68.9	42.5	63	2579
76	13.68	11.45	10	75	2300	1400	1860	2020	76 / 101	492	467	404	356	100	90.6	55.1	73.2	4453
90	16.18	13.54	11.90	90	2300	1400	1860	2150	90 / 125	592	527	488	426	125	90.6	55.1	73.2	4740
110	19.23	16.06	14.25	110	2300	1400	1860	2300	110 / 150	695	651	573	517	150	90.6	55.1	73.2	5071
132	20.47	18.04	16	132	2600	1400	1860	2700	132 / 175	-	696	657	572	175	102.4	55.1	73.2	5952
133	23.09	19.33	16.87	132	2700	1686	1888	3600	133 / 176	830	738	694	626	175	106.3	66.4	74.3	7937
160	28.45	24.65	21.18	160	2700	1686	1888	3750	160 / 215	1022	959	846	763	215	106.3	66.4	74.3	8267
200	30.30	28.84	24.95	200	2700	1686	1888	3950	200 / 270	-	1077	1036	890	270	106.3	66.4	74.3	8708

- Systems are air-cooled as standard / water-cooled as an option
- heat recovery systems available for all models
- intermediate pressures on request, grading 1 bar (14.5 psig) from BELT 38 (BELT 38 / 51) upwards

# INTELLIGENTE DRUCKLUFT MADE IN GERMANY

## In line with the customer's needs

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 capable of offering solutions to all users of compressed air. That does not only apply to the consultation and installa-

tion phase of your new compressor(s), but naturally continues in all areas of service, maintenance and visualisation.  
**Challenge us!**

Screw compressors 3-500 kW	Piston compressors 1.5-55 kW	Turbo compressors 200-2.000 kW	Blower 1.5-55 kW	Complete accessories	Control, regulate, monitor
<ul style="list-style-type: none"> <li>• Fixed speed</li> <li>• With energy-saving speed control</li> <li>• Oil-free, with water injection</li> <li>• Oil-free, 2-stage</li> </ul> <p>Available drive types:</p> <ul style="list-style-type: none"> <li>• V-belt</li> <li>• Gearbox</li> <li>• Direct</li> </ul>	<ul style="list-style-type: none"> <li>• Oil-lubricated</li> <li>• Oil-free</li> <li>• Normal pressure, medium pressure, high pressure</li> <li>• Booster</li> <li>• Mobile/stationary</li> </ul> <p>Available drive types:</p> <ul style="list-style-type: none"> <li>• V-belt</li> <li>• Direct</li> </ul>	<ul style="list-style-type: none"> <li>• Oil-free</li> <li>• Radial, 3-stage compression</li> <li>• With/without sound-absorbing housing</li> </ul> <p>Available drive types:</p> <ul style="list-style-type: none"> <li>• Gearbox</li> </ul>	<ul style="list-style-type: none"> <li>• Fixed speed</li> <li>• With energy-saving speed control</li> </ul> <p>Available drive types:</p> <ul style="list-style-type: none"> <li>• V-belt</li> <li>• Direct</li> </ul>	<ul style="list-style-type: none"> <li>• Refrigerant dryers</li> <li>• Desiccant dryers, heatless and heat-regenerative</li> <li>• HOC (heat of compression)</li> <li>• Activated carbon adsorbers</li> <li>• Filters, all particle sizes</li> <li>• Condensate management</li> <li>• Heat recovery systems</li> <li>• Pipework systems</li> </ul> <p>All components are optimally matched to the compressors.</p>	<ul style="list-style-type: none"> <li>• Base load changeover controls</li> <li>• Consumption-related controls</li> <li>• Visualisation (we display your compressed airstation on the PC)</li> <li>• Telemonitoring (the hotline of your compressed air station)</li> </ul>

## Our quality standards mean you can rely on our machines



ISO 9001



ISO 14001



IRIS



Partner of the Engineering Industry Sustainability Initiative



DNV



Your expert advisor

## ALMiG Kompressoren GmbH

Adolf-Ehmann-Straße 2 • 73257 Köngen

Tel. Vertrieb: +49 (0)7024 9614-240

E-Mail Vertrieb: sales@almig.de

www.almig.de

