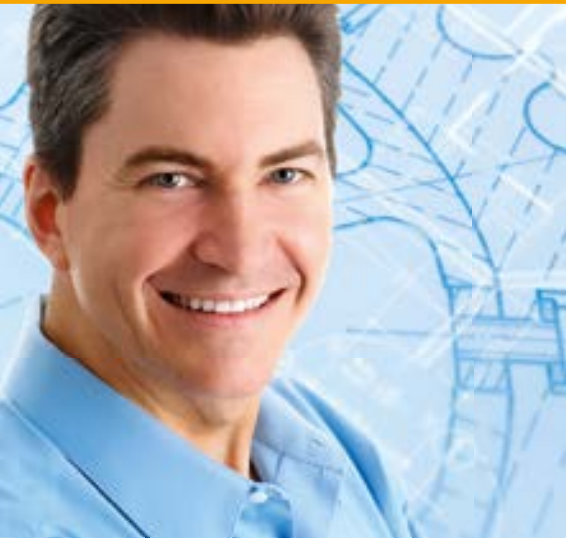


SCREW COMPRESSORS

Volumetric flow rate: 3.58 – 71.15 m³/min



INTELLIGENTE DRUCKLUFT MADE IN GERMANY

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!

The powerpack for high compressed air requirements

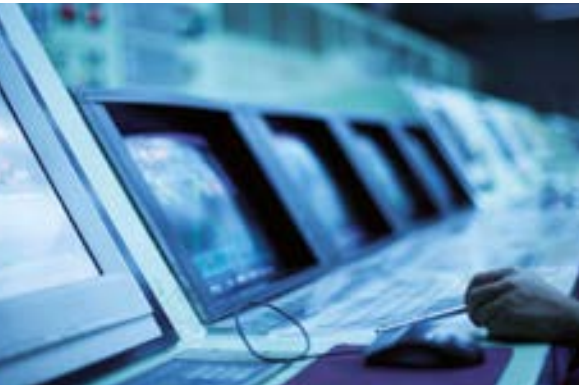
powerful and robust for the harshest operating conditions

very good system efficiency

optimally matched airends

high quality compressed air

intelligent micro-processor control unit



INTELLIGENT MODULAR SYSTEM



GEAR
30 - 75

GEAR
90 - 200

GEAR
201 - 500



Separator system 1 top quality compressed air 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 direct drive with optimally matched transmission

Compressor element 4 latest providing technology, excellent efficiency

Cooling system 5 large surface area cooler for lowest compressed air outlet temperatures and optimum coolant temperatures

Cooling fan 6 optimum cooling, high residual pressure

Drive motor 7 robust motor designed with reserves to spare

Air Control B (GEAR 30 - 75)

Air Control P (GEAR 90 - 450
optional for GEAR 30 - 75)

Air Control HE -
the intelligent global control system

Robust components for use under the
harshest conditions



INTELLIGENT COMPONENT ARRANGEMENT



GEAR 201 - 315

5

2

7

4

3

6

1

ALMiG
since 1928

INTELLIGENT ANALYSIS

Or can you afford to give money away?

The conception of the GEAR 30 - 500 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!

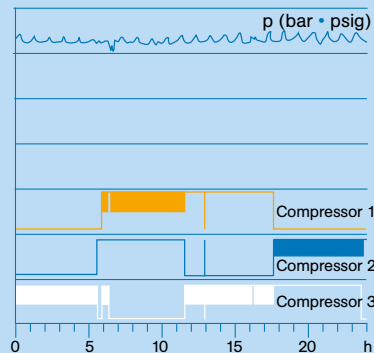
Only on the basis of facts can decisions be made.

Therefore:

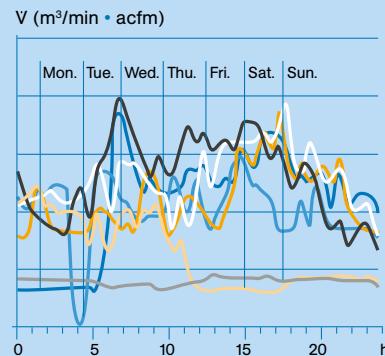
Analyse first, then decide.

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.

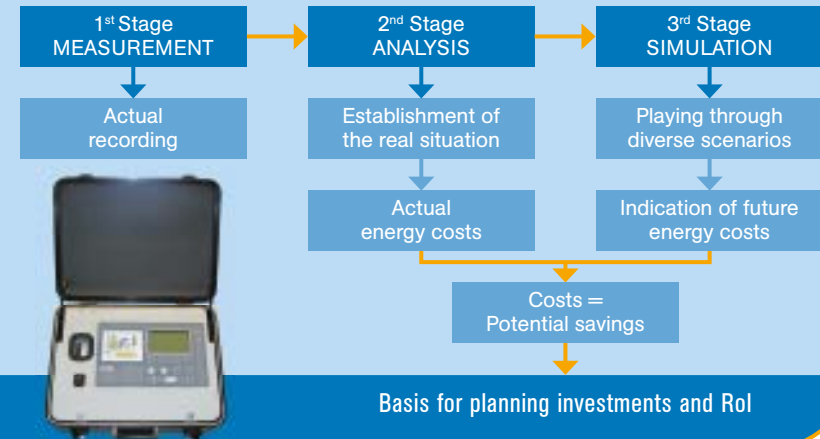
Operating conditions/Pressure - daily profile



Air flow - weekly profile



EBS Energy Balancing System



FACTS AND FIGURES

50 Hz								
GEAR	Vol. flow rate according to ISO 1217 (annex C-1996)			Rated motor output	Length	Width	Height	Weight
	8 bars	10 bars	13 bars					
	m ³ /min	m ³ /min	m ³ /min	kW	mm	mm	mm	kg
30	5.01	4.32	3.58	30	1750	1080	1600	920
37	5.81	5.19	4.25	37	1750	1080	1600	980
45	6.96	6.38	5.35	45	1850	1080	1600	1100
55	9.37	8.16	6.67	55	1950	1080	1600	1250
75	11.69	10.35	8.94	75	1950	1080	1600	1270
90	15.30	13.25	10.34	90	2600	1400	1860	2700
110	19.10	16.46	13.10	110	2600	1400	1860	2950
132	22.99	19.94	16.58	132	2800	1400	2025	3830
160	27.38	24.49	19.89	160	2800	1400	2025	3900
200	29.65	29.46	24	200	2800	1400	2025	4150
201	36.41	32.44	25.60	200	3400	1650	2025	4300
250	44.15	39.24	33.31	250	3400	1650	2025	4500
315	53.21	45.71	on request	315	3400	1650	2025	5700
355	61.66	52.74	on request	355	3600	2100	2200	5750
400	65.94	58.41	on request	400	3600	2100	2200	5900
450	-	64.10	on request	450	3600	2100	2200	6200
500	71.15	64	on request	500	3600	2100	2200	6800

- plants with standard air cooling / optional water cooling, GEAR 315 - 500 water-cooled only
- GEAR 315 - 500: 13 bars on request
- heat recovery systems available for all models

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

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

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