

## 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	Piston compressors	Turbocompressors	Blower	Complete accessories	Control, regulate, monitor
<ul style="list-style-type: none"> <li>constant speed 2.2–500 kW/5–13 bars</li> <li>variable speed-controlled and direct drive 2.2–355 kW/5–13 bars</li> <li>oil-free, with water injection 15–80 kW/5–13 bars</li> </ul>	<ul style="list-style-type: none"> <li>oil-free, up to 10 bars 1.5–11.4 kW</li> <li>for normal pressure up to 10 bars 1.5–15 kW</li> <li>for medium pressure up to 15 bars 1.5–15 kW</li> <li>for high pressure up to 400 bars 2.2–55 kW</li> <li>as a booster for an input pressure up to 10 bars and an output pressure up to 40 bars 2.2–18.5 kW</li> </ul>	<ul style="list-style-type: none"> <li>for oil-free compressed air 65–1000 kW</li> <li>two-stage up to 9 bars</li> <li>three-stage up to 10 bars</li> </ul>	<ul style="list-style-type: none"> <li>at constant speed 1.5–55 kW 300–1000 mbars</li> <li>with speed control and direct drive 3–55 kW 300–1000 mbars</li> </ul>	<ul style="list-style-type: none"> <li>refrigerant dryers 0.33–85 m<sup>3</sup>/min</li> <li>desiccant dryers 0.08–145 m<sup>3</sup>/min</li> <li>activated carbon adsorbers 0.08–145 m<sup>3</sup>/min</li> <li>filters, all particle sizes 0.5–225 m<sup>3</sup>/min</li> <li>complete condensate management up to 120 m<sup>3</sup>/min</li> </ul>	<ul style="list-style-type: none"> <li>base load changeover controls</li> <li>consumption-related controls</li> <li>visualisation (we bring your compressed air to the PC)</li> <li>tele-monitoring (the hotline of your compressed air station)</li> </ul>



Your expert advisor

## SCREW COMPRESSORS

Volumetric flow rate: 3.58 – 71.15 m<sup>3</sup>/min



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## 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

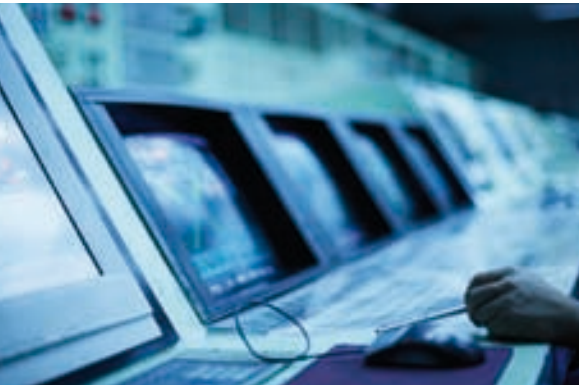
powerful and robust for the harshest operating conditions

very good system efficiency

optimally matched airends

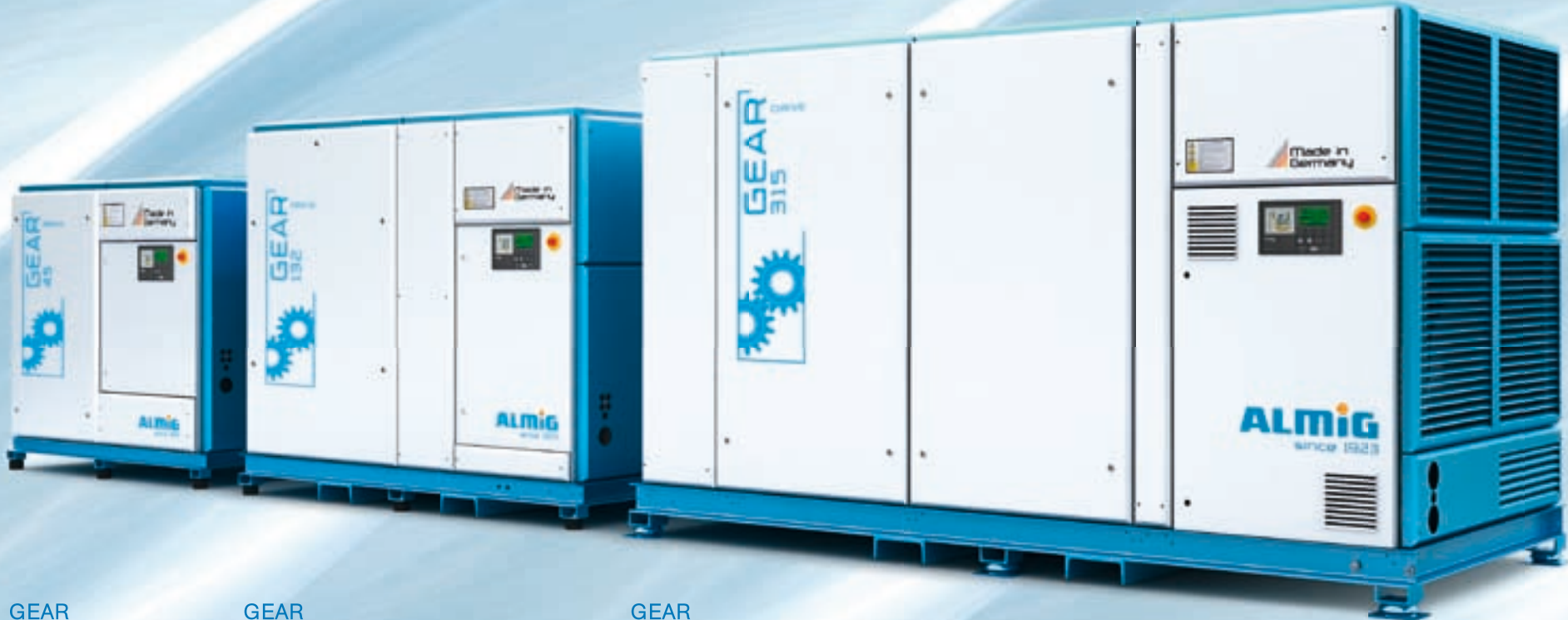
high quality compressed air

intelligent micro-processor control unit





# INTELLIGENT MODULAR SYSTEM



GEAR  
30 - 75

GEAR  
90 - 200

GEAR  
201 - 500



ISO 9001



ISO 14001



IRIS





**Separator system** 1 top quality compressed air thanks to proven multi-stage separation

**Air Control** 2 the compressor's intelligence: thinks, monitors and records

**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

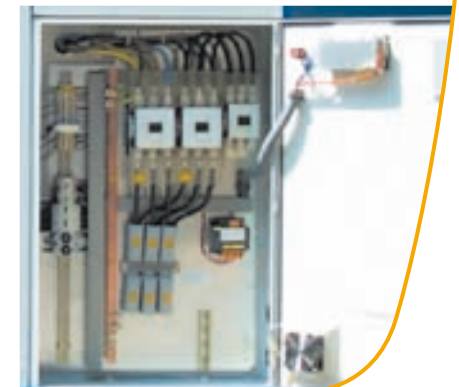
**Cooling fan** 6 optimum cooling, high residual pressure

**Drive motor** 7 robust motor designed with reserves to spare

Air Control 3



Robust components for use under the harshest conditions





# INTELLIGENT COMPONENT ARRANGEMENT



GEAR 201 - 315



# 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!**

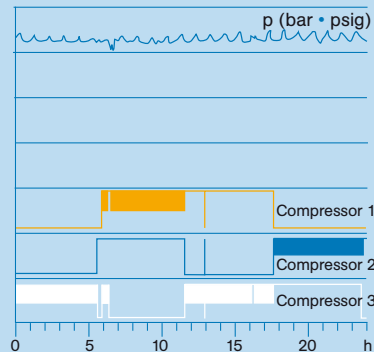
Only on the basis of facts can decisions be made.

Therefore:

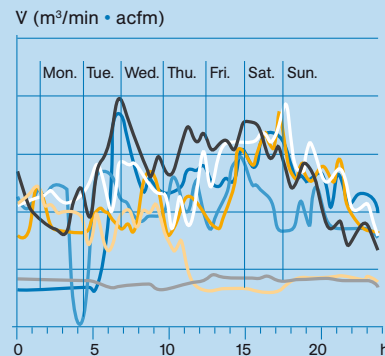
**Analyse first, then decide.**

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.

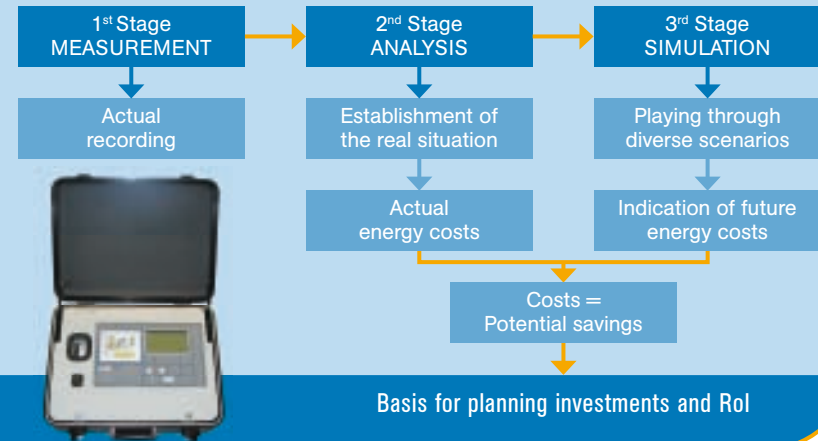
Operating conditions/Pressure - daily profile



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 <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	kW	mm	mm	mm	kg
30	5.01	4.32	3.58	30	1750	1080	1600	940
37	5.81	5.19	4.25	37	1750	1080	1600	960
45	6.96	6.38	5.35	45	1750	1080	1600	1080
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	2750
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	4200
250	44.15	39.24	32.87	250	3400	1650	2025	4300
315	53.21	45.71	on request	315	3400	1650	2025	4700
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