

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 for its customers.

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

As one of the leading suppliers of advanced compressed air systems, our commitment to continuous research and development forms the basis for all our products. ALMiG compressors are all manufactured in accordance with

- IRIS
- ISO 9001: 2000
- ISO 14001: 2004

They meet the conditions for acceptance in compliance with:

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

and conform to the CE guidelines.

Compliance with the most stringent acceptance conditions, such as

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

is a matter of course for us.

Our motto is:

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

The powerpack for high compressed air requirements

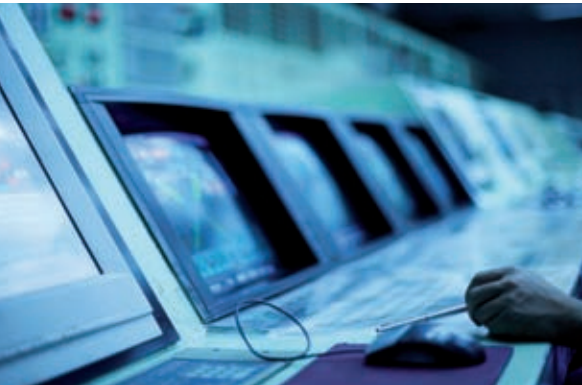
powerful and robust for the harshest operating conditions

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 compressor's intelligence: thinks, monitors and records

Drive system 3 direct drive with optimally matched transmission

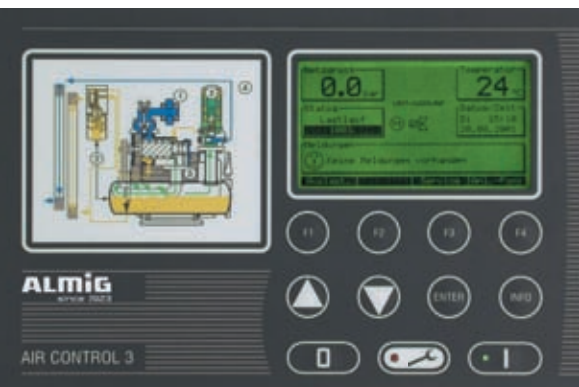
Compressor element 4 latest providing technology, excellent efficiency

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

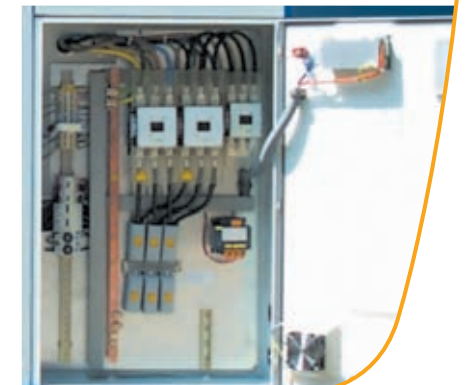
Cooling fan 6 optimum cooling, high residual pressure

Drive motor 7 robust motor designed with reserves to spare

Air Control 3



Robust components for use under the harshest conditions



INTELLIGENT COMPONENT ARRANGEMENT



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!

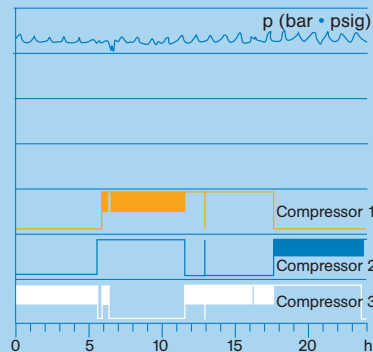
Only on the basis of facts can decisions be made.

Therefore:

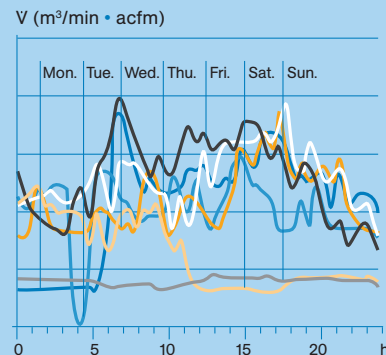
Analyse first, then decide.

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.

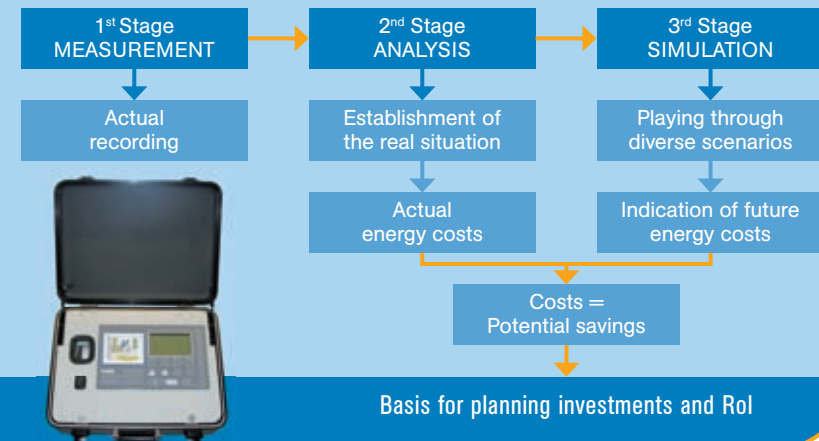
Operating conditions/Pressure - daily profile



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 m ³ /min	10 bars m ³ /min	13 bars m ³ /min					
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	2330
110	19.10	16.46	13.10	110	2600	1400	1860	2550
132	22.99	19.94	16.58	132	2600	1400	1860	3200
160	27.38	24.49	19.89	160	2600	1400	2115	3850
200	29.65	29.46	24	200	2600	1400	2115	3850
201	36.41	32.44	25.60	200	3400	1650	2025	4100
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

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"> constant speed 2.2 – 500 kW/5 – 13 bars variable speed-controlled and direct drive 2.2 – 355 kW/5 – 13 bars oil-free, with water injection 1.5 – 85 kW/5 – 13 bars 	<ul style="list-style-type: none"> oil-free, up to 10 bars 1.1 – 4 kW for normal pressure up to 10 bars 1.5 – 15 kW for medium pressure up to 15 bars 1.5 – 15 kW for high pressure up to 40 bars 2.2 – 45 kW as a booster for an input pressure up to 15 bars and an output pressure up to 40 bars 2.2 – 30 kW 	<ul style="list-style-type: none"> for oil-free compressed air 65 – 1000 kW two-stage up to 9 bars three-stage up to 10 bars 	<ul style="list-style-type: none"> at constant speed 1.5 – 55 kW 300 – 1000 mbars with speed control and direct drive 3 – 55 kW 300 – 1000 mbars 	<ul style="list-style-type: none"> refrigerant 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 	<ul style="list-style-type: none"> base load changeover controls consumption-related controls visualisation (we bring your compressed air to the PC) tele-monitoring (the hotline of your compressed air station)



Your expert advisor