

Screw compressors  
**Series GEAR**

Capacity:  
3.58 – 66.30 m<sup>3</sup>/min



# Intelligence, Innovation, Reliability

*The powerful package for a large demand of compressed air*

*powerful and robust for the harshest operating conditions*

*very good system efficiency*

*optimally matched compressor stages*

*high quality compressed air*

*intelligent microprocessor control unit*



## Maximum benefits for our customers:

This premise holds true for everyone at ALMIG.

Our products benefit from the latest techniques in research and development and are manufactured according to ISO 9001: 2000 / ISO 14001: 2004 / IRIS.

They fulfil all acceptance criteria according to ISO 1217 – 3 annex C – 1996 and conform to the CE-guidelines.

Even the most stringent conditions, such as DET NORSKE VERITAS, GERMANISCHER LLOYD, BUREAU VERITAS, LLOYD'S REGISTER OF SHIPPING, ABS among others, are for us at ALMIG a matter of course.



*intelligent compressed air ... everywhere ■ ■ ■ intelligent compressed air ... everywhere ■ ■ ■ intelligent compressed air ... everywhere ■ ■ ■*



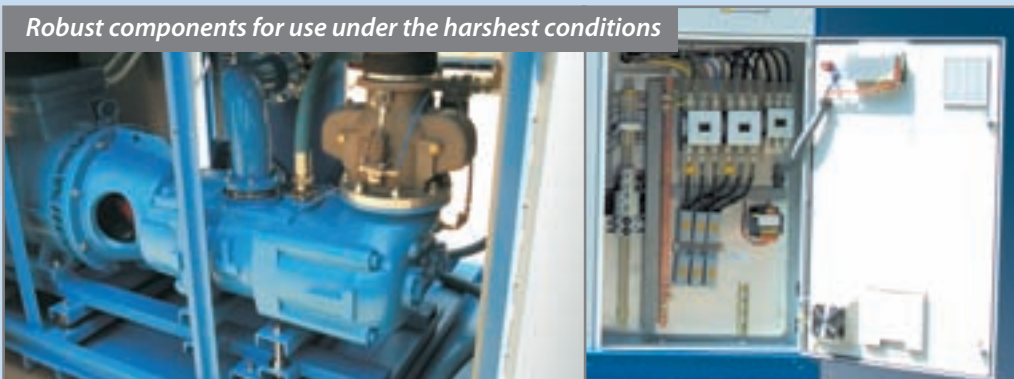
# Assembly, Technique, Highlights



- ① **Separator system**  
highest quality compressed air through proven multi-stage separation
- ② **Air Control**  
the compressor's intelligence thinks, monitors and records

- ③ **Drive system**  
direct drive via optimally matched transmission
- ④ **Compressor element**  
latest providing technology, excellent efficiency
- ⑤ **Cooling system**  
large surface area cooler for lowest compressed air output temperatures and optimum coolant temperatures
- ⑥ **Cooling fan**  
optimum cooling, efficiency
- ⑦ **Reserves in hand**  
robust motor designed with reserves to spare

*Robust components for use under the harshest conditions*

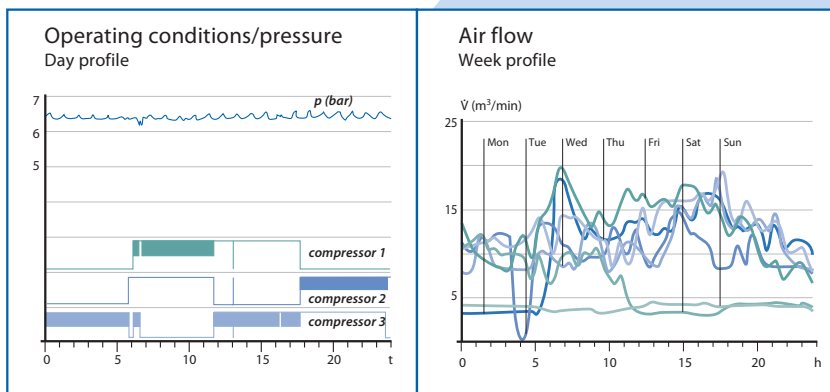


# Data, Facts, Analyses

Typ	Air flow according to ISO 1217 (annex C-1996)			Motor-rated output	Length	Width	Height	Weight
	8 bar (m <sup>3</sup> /min)	10 bar (m <sup>3</sup> /min)	13 bar (m <sup>3</sup> /min)	kW	mm	mm	mm	kg
GEAR 30	5.01	4.32	3.58	30	1750	1080	1600	940
GEAR 37	5.81	5.19	4.25	37	1750	1080	1600	960
GEAR 45	6.96	6.38	5.35	45	1750	1080	1600	1080
GEAR 55	9.37	8.16	6.67	55	1950	1080	1600	1250
GEAR 75	11.69	10.35	8.94	75	1950	1080	1600	1270
GEAR 90	15.30	13.25	10.34	90	2300	1400	1525	2650
GEAR 110	19.10	16.46	13.10	110	2300	1400	1525	2720
GEAR 132	22.99	19.94	16.58	132	2300	1400	1525	2800
GEAR 160	27.38	24.49	19.89	160	2300	1400	1525	3300
GEAR 200	29.65	29.46	24.00	200	2300	1400	1525	3550
GEAR 201	36.41	32.44	25.60	200	3400	1650	2025	4100
GEAR 250	44.15	39.24	32.87	250	3400	1650	2025	4300
GEAR 315	53.21	45.71	–	315	3400	1650	2025	4700
GEAR 355	61.66	52.74	–	355	3600	2100	2200	5750
GEAR 400	65.94	58.41	–	400	3600	2100	2200	5900
GEAR 450	–	64.10	–	450	3600	2100	2200	6200

GEAR 30 – 250 air-cooled, water-cooling optional

GEAR 315 – 450 water-cooled/13 bar on demand • various systems for heat recovery



In such measurement charts there is an enormous potential for saving energy!

Decisions can be made only on the basis of facts. Therefore: **First analyse, then decide.**





# Designs, Systems, Solutions

## *We offer more than compressed air ...*

We provide you with everything to do with compressed air technology including customised solutions – from planning to production.

- complete turnkey project management
- online and remote monitoring (telemonitoring) of the complete compressed air system
- correctly chosen accessories for ideal system solutions
- rapid service by qualified engineering staff – and worldwide
- total care compressed air contracts

*... just ask us!*

*intelligent compressed air ... everywhere ■■■ intelligent compressed air ... everywhere ■■■ intelligent compressed air ...*

# Products, Concepts, Solutions

## Built on the needs of the customer

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, who is able to offer solutions to all users of compressed air.

That does not only apply to the consultation and installation phase of your new compressor(s), but naturally continues in all areas of service, maintenance and visualisation.

**Challenge us!**



**Screw compressors**

- constant speed  
2.2 – 500 kW/  
5 – 13 bar
- variable speed controlled and direct drive  
2.2 – 315 kW/  
5 – 13 bar
- oil-free, with water injection  
15 – 55 kW/  
5 – 10 bar



**Piston compressors**

- oil-free, up to 10 bar  
1.1 – 12 kW
- for normal pressure up to 10 bar  
1.5 – 15 kW
- for medium pressure up to 15 bar  
1.5 – 15 kW
- for high pressure up to 40 bar  
2.2 – 45 kW
- as a booster for an input pressure up to 15 bar and an output pressure up to 40 bar  
2.2 – 30 kW



**Blower**

- at constant speed  
1.5 – 55 kW  
300 – 1000 mbar
- with speed regulator and direct drive  
3.0 – 55 kW  
300 – 1000 mbar



**Turbo compressors**

- oil-free, up to 9 bar  
65 – 370 kW



**Complete accessories**

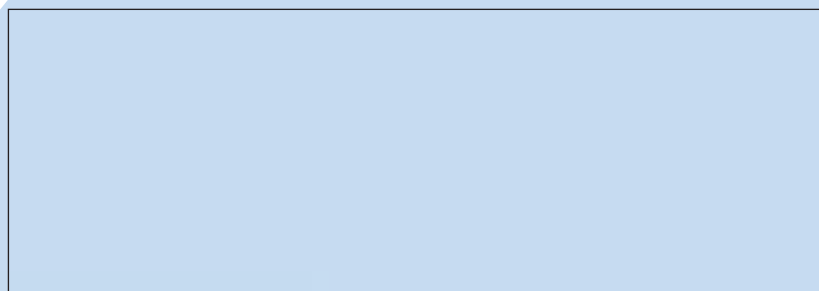
- refrigeration dryers  
0.27 – 100 m<sup>3</sup>/min
- desiccant dryers  
0.08 – 145 m<sup>3</sup>/min
- activated carbon adsorbers  
0.08 – 145 m<sup>3</sup>/min
- filters, all particle sizes  
0.5 – 225 m<sup>3</sup>/min
- complete condensate management up to  
120 m<sup>3</sup>/min



**Control, regulate, monitor**

- lead-lag control
- consumption-dependant control
- visualisation (we bring your compressed air to the PC)
- tele-monitoring (the hotline of your compressed air station)

Your specialist



**ALMIG**  
since 1923

[www.almig.de](http://www.almig.de)