

SCREW COMPRESSORS

Volumetric flow rate: 6.41 – 48.72 m³/min • 288 – 2049 acfm



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!

ALMiG supplies:

■ piston compressors

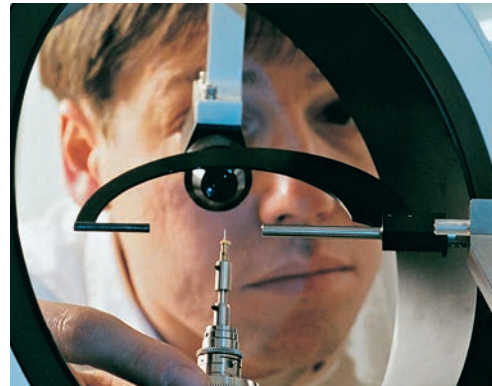
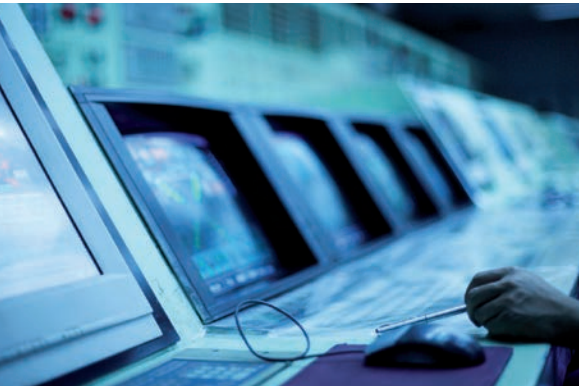
■ screw compressors

■ special machines

■ controls

■ compressed air treatment

■ services



INTELLIGENT MODULAR SYSTEM



DIRECT
37 - 45

DIRECT
75 - 160

*
 "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 ³	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 direct 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

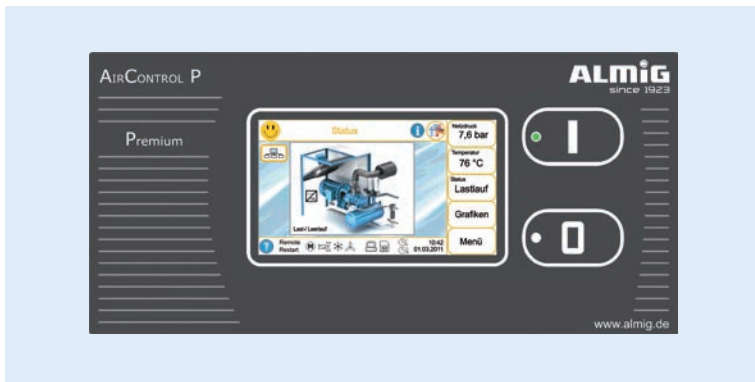
Fan 6 powerful, efficient, high performance

Drive motor 7 robust drive motor designed with reserves

Air Control P (DIRECT 37 - 315)

Air Control HE - the intelligent global control system

Direct drive



INTELLIGENT COMPONENT ARRANGEMENT



INTELLIGENT ANALYSIS

Or can you afford to give money away?

The conception of the DIRECT 37 - 315 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!

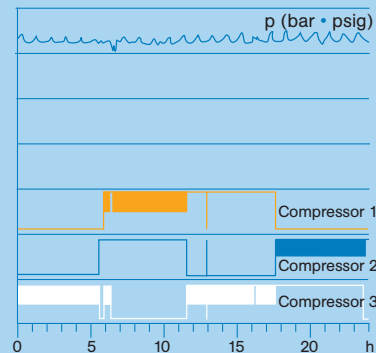
Only on the basis of facts can decisions be made.

Therefore:

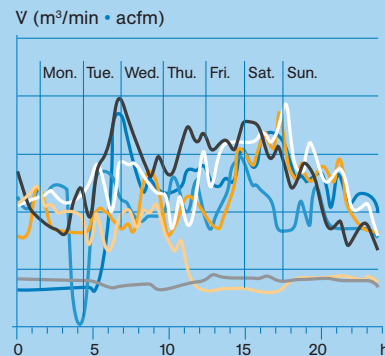
analyse first, then decide.

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.

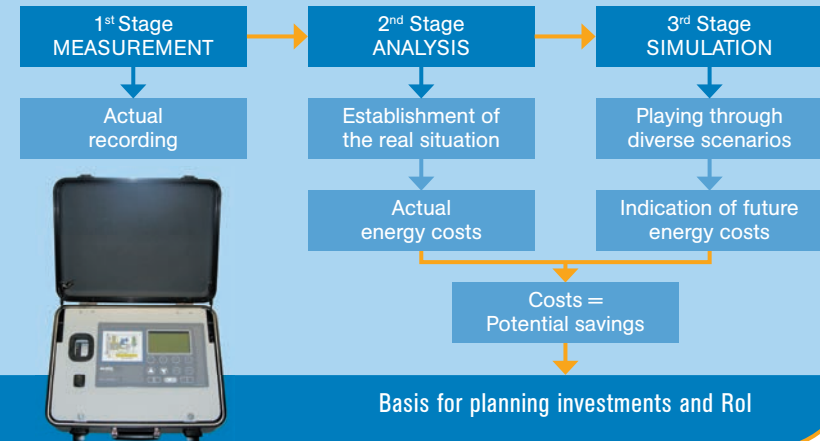
Operating conditions/Pressure - daily profile



Air flow - weekly profile



EBS Energy Balancing System



FACTS AND FIGURES

50 Hz								60 Hz							
DIRECT	Operating over-pressure	Vol. flow rate according to ISO 1217 (annex C-1996)	Rated motor output	Length	Width	Height	Weight	DIRECT	Operating over-pressure	Vol. flow rate according to ISO 1217 (annex C-1996)	Rated motor output	Length	Width	Height	Weight
	bar	m ³ /min	kW	mm	mm	mm	kg		psig	acfm	HP	inch	inch	inch	lbs
37	7.5	6.80	37	1750	1080	1600	1000								
45	10	6.72	45	1750	1080	1600	1100	45 / 60	110	288	60	68.9	42.5	63	2425
75	11	11.58	75	2300	1400	1860	1970	75 / 100	110	499	100	90.6	55.1	73.2	4343
90	13	11.47	90	2300	1400	1860	2200	90 / 125	145	493	125	90.6	55.1	73.2	4850
132	8	23.90	132	2700	1686	1888	3500								
160	11.5	23.37	160	2700	1686	1888	3900	160 / 215	125	1009	215	106.3	66.4	74.3	8598
280	8	48.30	315	3400	1650	2025	4300								
315	10	48	315	3400	1650	2025	4400	315 / 425	110	2049	425	134	65	79.7	9700

- Systems are air-cooled as standard / water-cooled as an option, DIRECT 315 (DIRECT 315 / 425) only available as water-cooled version
- 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



Your expert advisor

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