

# COMBI SCREW COMPRESSOR







# QUALITY AND INNOVATIONS MADE IN GERMANY.

## Decades of experience and excellent performance

ALMiG is one of the leading compressed air technology system providers and has decades of experience delivering premium products in the compressed air sector. Companies all around the world trust in our customer focused solutions, our quality, innovation and flexibility. Our advanced compressor technologies combine excellence with the quietest possible running performance, optimal energy efficiency and particularly careful conservation of resources.

## Ongoing development and comprehensive industry knowledge

Constant research and development form the essential foundation for the efficiency of every system manufactured by ALMiG. Only these constant enhancements and improvements enable us to react quickly and flexibly to individual customer wishes. This attitude is complemented by a comprehensive understanding of the sector: we understand the challenges that our customers are faced with and the requirements that arise as a consequence. ALMiG offers effective solutions for a wide range of applications – from small craft workshops to medium-sized companies to big industry.

## Complete service and maximum availability

The highest quality technological solutions deserve an equally high level of service. The ALMiG service provisions offer our customers a complete service programme: from providing comprehensive advice to ensuring availability, improving cost-effectiveness and developing energy-saving potential. As an expert partner, ALMiG offers its customers advice and support on all issues. Our goal is to contribute to your economic success with our service offerings.

### **ALMiG: Compressor Systems Made in Germany**

Piston compressors

Screw compressors

Turbo compressors

Scroll compressors

Special installations

Controllers

Compressed air treatment

Services

# COMBI

## The cost-effective 4-in-1 compact system

Our COMBI screw compressors are a highly cost-effective 4-in-1 solution: The compressed air station combines

- a compressor,
- compressed air receiver (with manual shut-off, and also with an automatic condensate drain as an option),
- refrigeration dryer and
- pre- and after-filters

in one housing as standard. The series thus fulfils the high quality requirements for compressed air for pneumatic applications specified by DIN ISO 8573-1.

Requiring the smallest possible space and emitting very low noise levels, the machines of the COMBI series can be installed exactly where the compressed air is needed, saving your company major investments in expensive pressure lines. The belt-driven systems of the COMBI series are used in applications ranging from practical trades to heavy-duty industry.

In small-scale workshops, the compressors guarantee a reliable supply of compressed air while, in industry, the COMBI products serve as an individual decentralized compressed air solution.

Other benefits of these compact systems include their low weight and therefore the ease of transport. All it takes is a lifting truck or a fork-lift truck to install the ready-to-connect and ready-to-use compressed air station on site.

### The product range

2 different system sizes:

- COMBI 6–15: 270 l standard / 500 l optional
- COMBI 16–22: 500 l standard

All the compressors in the series are available:

- with/without receiver
- with/without refrigeration dryer
- with/without compressed air filter
- with various controllers to suit your needs

### Application

Trade, small-scale industry

### Power output

5.5 - 22 kW

### Volume flow acc. to ISO 1217

(Annex C-2009)

8 bar: 0.82 - 3.24 m<sup>3</sup>/min

10 bar: 0.72 - 2.75 m<sup>3</sup>/min

13 bar: 0.62 - 2.54 m<sup>3</sup>/min

### Operating pressure

5 - 13 bar

### Cooling

Air-cooled

### Drive

V-belt

### Motor

Energy efficiency class IE 3;  
IP 55 protection,  
protection class F



- + 4-in-1: compressor, compressed air receiver, refrigeration dryer, pre-/after-filter
- + Fulfils quality requirements for compressed air according to DIN ISO 8573-1
- + Small space requirements
- + Low noise level
- + Easy to transport due to low weight



**Maintenance-friendly design**

**Compressor stage**  
with low speeds

**Air Control**  
Smart controller that monitors, visualises and documents

**Drive motor**  
Energy efficiency class IE 3

**Receiver**

**Treatment**

Suitable controllers:

**AIR CONTROL B**



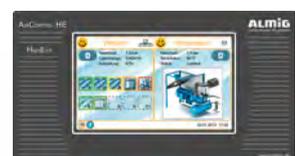
Standard

**AIR CONTROL P**



Optional

**AIR CONTROL HE**



Optional

# COMBI



COMBI 6 – 15

50 Hz								
COMBI	Volume flow acc. to ISO 1217 (Annex C-2009)			Rated motor power	Length	Width	Height	Weight
	8 bar	10 bar	13 bar					
Model	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	kW	mm	mm	mm	kg
6	0.82	0.72	0.62	5.5	1180	770	1128	305
8	1.09	1.02	0.85	7.5	1180	770	1128	310
11	1.61	1.43	1.22	11	1180	770	1128	315
15	1.96	1.86	1.61	15	1180	770	1128	325
16	2.35	2.02	1.88	15	1480	780	1375	454
18	2.75	2.44	2.25	18.5	1480	780	1375	473
22	3.24	2.75	2.54	22	1480	780	1375	519

60 Hz									
Model	100 psig	125 psig	150 psig	190 psig	HP	inch	inch	inch	lbs
	acfm	acfm	acfm	acfm					
6 / 8	30	28	25	21	7.5	44.1	27.0	44.4	628
8 / 10	37	37	35	29	10	44.1	27.0	44.4	639
11 / 15	59	55	48	42	15	44.1	27.0	44.4	650
15 / 20	72	68	63	56	20	44.1	27.0	44.4	672
16 / 21	86	81	72	64	20	58.3	70.1	54.1	1001
18 / 25	104	98	90	83	25	58.3	70.1	54.1	1043
22 / 30	124	113	102	97	30	58.3	70.1	54.1	1144



COMBI 16 – 22

## Compressor + dryer

COMBI Model	Dimensions		Weight	
	mm	inch	kg	lbs
8	1180 x 770 x 1128	44.1 x 27.0 x 44.4	345	717
11	1180 x 770 x 1128	44.1 x 27.0 x 44.4	350	728
15	1180 x 770 x 1128	44.1 x 27.0 x 44.4	360	750
16	1480 x 780 x 1375	58.3 x 70.1 x 54.1	494	1098
18	1480 x 780 x 1375	58.3 x 70.1 x 54.1	513	1131
22	1480 x 780 x 1375	58.3 x 70.1 x 54.1	559	1232

## Compressor + receiver (270 litres / 71 gal)

Model	mm	inch	without dryer		with dryer	
			kg	lbs	kg	lbs
6	1180 x 770 x 1680	44.1 x 27.0 x 66.1	420	882	455	959
8	1180 x 770 x 1680	44.1 x 27.0 x 66.1	425	893	460	970
11	1180 x 770 x 1680	44.1 x 27.0 x 66.1	430	904	465	981
15	1180 x 770 x 1680	44.1 x 27.0 x 66.1	440	926	475	1003

## Compressor + receiver (500 litres / 132 gal)

6	1900 x 770 x 1680	74.8 x 27.0 x 66.1	485	1025	520	1102
8	1900 x 770 x 1680	74.8 x 27.0 x 66.1	490	1036	525	1113
11	1900 x 770 x 1680	74.8 x 27.0 x 66.1	495	1047	530	1124
15	1900 x 770 x 1680	74.8 x 27.0 x 66.1	505	1069	540	1146
16	1900 x 780 x 1950	74.8 x 30.7 x 76.8	639	1409	679	1497
18	1900 x 780 x 1950	74.8 x 30.7 x 76.8	658	1451	698	1539
22	1900 x 780 x 1950	74.8 x 30.7 x 76.8	704	1552	744	1640

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