

## KAP SERIES

THE INDESTRUCTIBLE SYSTEM CONCEPT – BUILT FOR THE MOST CHALLENGING APPLICATIONS ON LAND AND SEA.

### FEATURES

- › **Ideal for harsh maritime conditions: intercoolers and aftercoolers are in rustproof stainless steel for maximum corrosion resistance**
- › **Reliable operation even at extreme inclines thanks to low centre of gravity and rugged block design**
- › **Available with electric motor or low-maintenance diesel engine for autonomous operation**

### KAP-H SERIES

KAP-H Series compressors feature horizontal design, exceptional corrosion resistance and high FAD rates. Designed for the rigours of continuous industrial use, these compressors have a low centre of gravity that makes them ideal for situations involving extreme inclines, such as on the high seas or in vehicle installations.

The B-CONTROL MICRO control unit with colour display, supplied fully integrated as standard, ensures simple compressor operation and provides intelligent control and safe, secure monitoring of all basic functions.

- › **11 - 15 kW**
- › **450 – 680 l/min**
- › **225/330 bar**
- › **Electric motor**



KAP-H compressor unit

### OPTIONAL FEATURES

- › B-SECURUS filter cartridge saturation monitoring system
- › B-CONTROL II compressor control unit – e.g. for interconnected operation etc.
- › Filling panel
- › Intermediate separator after first stage – recommended in conditions of high humidity

## KAP-HN SERIES

A low centre of gravity and advanced design with special shock absorbers and robust shock and damping elements, proven in rigorous shock and vibration testing, make the KAP-HN series by BAUER KOMPRESSOREN ideal for continuous operation at sea under the harshest of conditions<sup>1</sup>.

Thanks to their horizontal design, they are capable of operation in heavy seas and on extreme inclines. V-belt drive and proven BAUER system components ensure ease of maintenance.

The B-CONTROL MICRO control unit with colour display, supplied integrated as standard, provides intelligent control and safe, secure monitoring of all basic functions.

- › **7.5 – 15 kW**
- › **370 – 680 l/min**
- › **225/330 bar**
- › **Electric motor**

## OPTIONAL FEATURES

- › B-SECURUS filter cartridge saturation monitoring system
- › B-CONTROL II compressor control unit – e.g. for interconnected operation etc.
- › Filling panel
- › Intermediate separator after first stage – recommended in conditions of high humidity



KAP-HN compressor unit

<sup>1</sup> The base frame withstands acceleration of min. 6 g over a period of 20ms (semi-sinusoidal) as required by e.g. BV 0430, Annex H.

## KAP DIESEL SERIES

With a low centre of gravity and robust, low-maintenance diesel drive, KAP-DAH Series horizontal compressors are able to meet the most exacting requirements for reliable and autonomous continuous operation in remote locations.

All coolers, filters, valves and cables are made from rust-free materials – designed for the harshest outdoor climates and absolutely reliable at high outdoor temperatures.

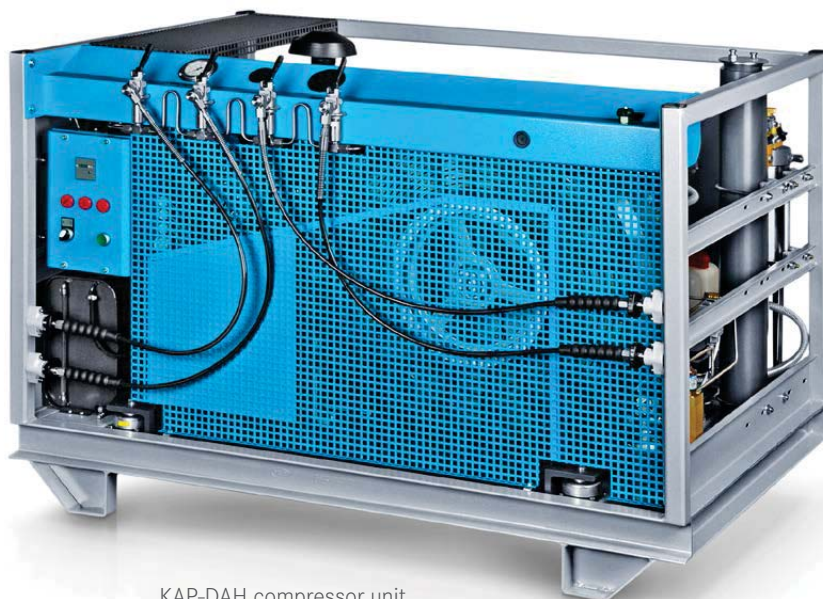
The uncompromisingly intelligent design of the unit naturally provides ease of access for maintenance work.

The electronic control system with additional electronic monitoring function automatically shuts down the compressor when the final system pressure is reached, measures operating hours and oil pressure, and displays the current operating status. The battery charge status can also be read off from the control unit.

- › **14 – 18 kW**
- › **450 – 680 l/min**
- › **225/330 bar**
- › **Diesel engine**

## OPTIONAL FEATURES

- › Larger P 81 Purification System for extended filter cartridge life
- › B-SECURUS filter cartridge saturation monitoring system
- › Integration of filling panels
- › Intermediate separator after first stage – recommended in high temperatures



KAP-DAH compressor unit

## TECHNICAL DATA

### KAP-H SERIES

Type	Charging Rate <sup>1</sup>		Operating Pressure max.		Purification System	Number of Stages	Speed	Drive and Motor Power		Net Weight approx.	Dimensions L x W x H
	l/min	cfm	bar	psig				Motor	kW		
KAP 15.1-11-H	450	16	330	4780	P 41 DUO	4	1,320	400 V/50 Hz <sup>2</sup>	11	370	165 x 71 x 85
KAP 150-11-H	540	19	330	4780	P 41 DUO	4	1,230	400 V/50 Hz <sup>2</sup>	11	370	165 x 71 x 85
KAP 180-15-H	680	24	330	4780	P 41 DUO	4	1,400	400 V/50 Hz <sup>3</sup>	15	385	165 x 71 x 85

1 Measured by cylinder filling (10 l) from 0 - 200 bar/2900 psig, ±5%.

2 Plug dimension: 32 A.

3 Without plug.

### KAP-HN SERIES

Type	Charging Rate <sup>1</sup>		Operating Pressure max.		Purification System	Number of Stages	Speed	Drive and Motor Power		Net Weight approx.	Dimensions L x W x H
	l/min	cfm	bar	psig				Motor	kW		
KAP 15.1-7.5-HN	370	13	330	4780	P 41 DUO	4	1,050	400 V/50 Hz <sup>2</sup>	7.5	370	165 x 72.5 x 92
KAP 150-11-HN	540	19	330	4780	P 41 DUO	4	1,230	400 V/50 Hz <sup>2</sup>	11	370	165 x 72.5 x 92
KAP 180-15-HN	660	23	330	4780	P 41 DUO	4	1,320	400 V/50 Hz <sup>3</sup>	15	385	165 x 72.5 x 92

1 Measured by cylinder filling (10 l) from 0 - 200 bar/2900 psig, ±5%.

2 Plug dimension: 32 A.

3 Without plug.

### KAP-DAH SERIES

Type	Charging Rate <sup>1</sup>		Operating Pressure max.		Purification System	Number of Stages	Speed	Drive and Motor Power		Net Weight approx.	Dimensions L x W x H <sup>2</sup>
	l/min	cfm	bar	psig				Motor	kW		
KAP 15.1-14-DAH	450	16	330	4780	P 61	4	1,320	Diesel engine	14	500	146.5 x 100 x 97
KAP 150-16-DAH	540	19	330	4780	P 61	4	1,230	Diesel engine	16	500	146.5 x 100 x 97
KAP 180-18-DAH	680	24	330	4780	P 81	4	1,400	Diesel engine	18	516	146.5 x 100 x 97

1 Measured by cylinder filling (10 l) from 0 - 200 bar/ 2900 psig, ± 5%.

2 Without mounted filling panel.

## KAP 220 AND KAP 23

### RUGGED HEAVY-DUTY BLOCK COMPRESSORS WITH TECHNOLOGY THAT SETS NEW STANDARDS.

The stationary air-cooled heavy-duty units in the BAUER KOMPRESSOREN KAP Series feature virtually unlimited free air delivery volumes which can rise to virtually any challenge.

The modern, reliable system, proven in practice for many years, has V-belt drive and horizontal design.

These powerful horizontal stationary compressor units are available in open or fully closed versions for 225, 330, 350 and 420 bar.

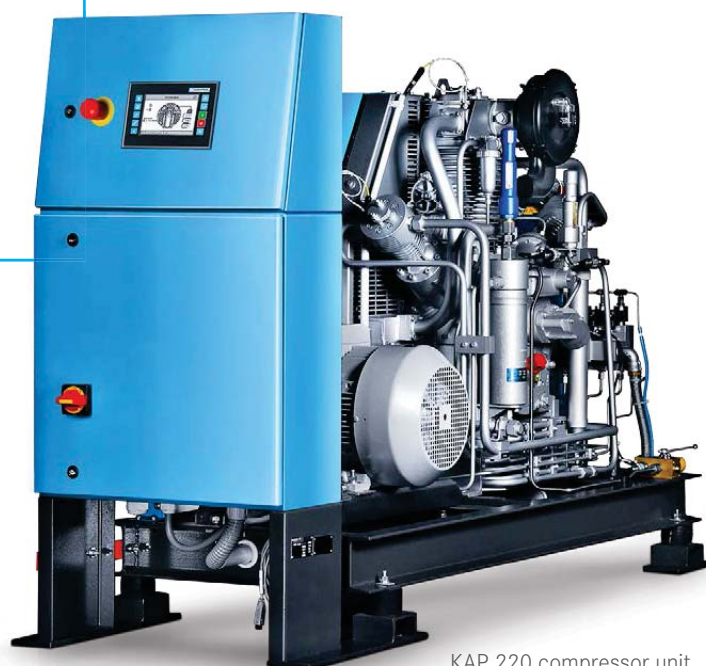
- › 15 - 37 kW
- › 650 – 1,480 l/min
- › 225/330/350/420 bar

### OPTIONAL FEATURES

- › Super Silent noise insulation housing
- › B-CONTROL II control unit – e.g. for interconnected operation, monitoring all stages, etc.
- › Intermediate pressure gauge
- › External purification and storage systems

### FEATURES

- › Easy to maintain, with V-belt drive and proven BAUER system components
- › Cost-efficient: easy to install and economical to operate
- › Designed for tough conditions, with optimised charging rates and available with a range of drives



KAP 220 compressor unit

## TECHNICAL DATA

Type	Charging Rate <sup>1</sup>		Operating Pressure max.		Purification System	Motor <sup>2</sup>	Power consumption <sup>3</sup>	Number of Stages	Speed	Net Weight approx.		Dimensions L x W x H
	l/min	cfm	bar	psig						kg	lbs	
<b>330 BAR UNITS WITH ELECTRIC MOTOR</b>												
KAP 220-20-E	650	23	350	4800	P 80	15	14.5	4	980	490	1080	214 x 72 x 125
KAP 220-25-E	800	28	350	4800	P 80	18.5	17.9	4	1,180	510	1120	214 x 72 x 125
KAP 220-30-E	930	33	350	4800	P 100	22	20.5	4	1,320	570	1255	214 x 72 x 125
KAP 23-40-E	1,300	46	350	4800	P 120	30	28	4	1,200	760	1670	226 x 86.5 x 131.5
KAP 23-50-E	1,480	52	350	4800	P 120	37	34	4	1,400	780	1715	226 x 86.5 x 131.5
<b>420 BAR UNITS WITH ELECTRIC MOTOR</b>												
KAP 220-30-420	800	28	420	6000	P 100/420	22	19	4	1,180	570	1255	214 x 72 x 125

<sup>1</sup> Volume flow according to ISO 1217.

<sup>2</sup> Voltage/frequency: 400 V/50 Hz, energy efficiency: IE3. Different voltages/frequency available at extra cost.

<sup>3</sup> Power consumption at final pressure.