BAUER KOMPRESSOREN

Quality. Our DNA

MID-PRESSURE COMPRESSOR SERIES

SHIPPING, HYDROPOWER, GENERAL INDUSTRIAL APPLICATIONS

INDUSTRY

75 1946 - 2021 BAUER KOMPRESSOREN

COMPRESSOR FOR HEAVY-DUTY APPLICATION

ENGINEERED FOR SHIPPING, HYDROPOWER AND GENERAL INDUSTRIAL

The air-cooled mid pressure compressor of the BM series meet the traditionally challenging requirements of industrial and shipping applications.

Impressive range of features: Excellent power reserves, low center of gravity, compact dimensions and optimized for space-saving installations.

- **7.5-132 Kw**
- **500-7200 l/min**
- **30-100 bar**

EQUIPMENT OPTIONS

- Multiple levels of compressor control
- Water cooling system
- Condensate collection vessel
- Fully enclosed
- Electrical motor Protection
- Sound attenuated
- Minus degree ambient capability

MINIMIZED OPERATION COSTS

Low-maintenance and reliable solution. Extended service intervals combined with competitive parts pricing.

DISTINCTIVE DESIGN

Low center of gravity, conventional control: Ideal for broad universal use and long-term service.

The oil sump is designed with crankcase to allow for operation/installation angles and up to 30°.

COMPRESSOR COVER

A unique cover design directs cooling air flow over key parts of the block.

AIR-COOLED COMPRESSOR

COMPRESSOR BLOCK

A combination of 2 and 3 stage air-cooled compressor blocks with extensive cooling fins, variable motors and control systems.

Maximizing compression efficiency, air cooling, heat exchanger providing unrivalled reliability, efficiency and ease of maintenance.

INTERMEDIATE SAFETY VALVES

Each stage has a safety valve installed after the cooler to protect the stages, components and operators.

LUBRICATION SYSTEM

All blocks are equipped wtih oil pump to ensure regulated lubrication under all operational conditions.

INTERMEDIATE SEPARATORS

Each stage has a separator installed after the cooler, each seperater is designed for flow rate and delivery pressure range.

Targeting 99% efficiency in removal of condensate from upstream.

Compact design simplify piping and connectors.

AIR COOLING

The compressor block has large cooling fins to optimise thermal discharge.

OIL LEVEL CONTROL

Switch controlled oil level monitoring work with oil temperature sensor, guarantee effective lubrication.

Crankcase is designed for 30° pitch and roll for ship applications.

ACCESSORIES AND OPTIONS

BAUER ACCESSORIES ARE BESPOKE DESIGNED TO EXPAND YOUR SYSTEM MONITORING

AUTOMATIC CONDENSATE DRAIN SYSTEM (ACD)

Automatic Condensate Drain is standard for all units. Ensuring correct operation in conjunction with settings and controls.

The newly developed and patented automatic condensate drain uses solenoid valves to ensure reliable, automatic condensate removal from the compressor separators.

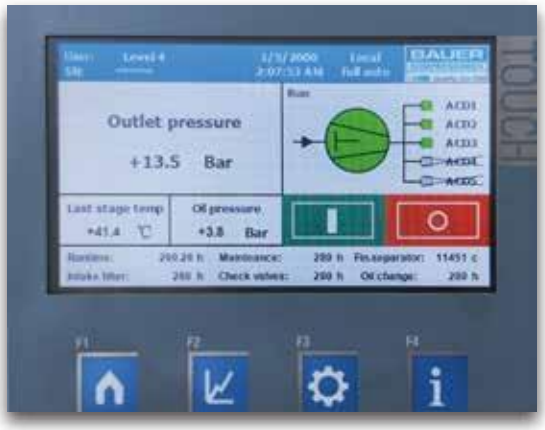
The innovative design enables condensate to be drained in a controlled manner while minimising the operating pressure drop. This saves energy and helps to increase the efficiency of the compressor unit.

Additionally, the new ACD system, from BAUER has a considerable low sound power and maximises condensate removal.

(the image will be changed later)

C-CONTROL+

The C-CONTROL+ is a modern, easy-to-use compressor control unit with Touchscreen display for intelligent control and reliable monitoring of all basic functions.



Interaction between operator and control unit is user-friendly and logical. A choice of languages is available. The C-CONTROL+ is a modern, easy-to-use compressor control unit with Touchscreen display for intelligent control and reliable monitoring of all basic functions.

7“ smart touchscreen display with plain text.

Semi and fully automatic monitoring of relevant parameters, compressor shutdown if values are outside the permissible range

Oil pressure monitoring to protect against incorrect direction of rotation, for example

FEATURES

- Indication of actual pressure, working hours and operation mode
- Service/maintenance interval indication
- Logbook with up to 100 entries
- Easy software update
- Cycle counter & hour meter. Information for the operator when to exchange the final separator

TECHNICAL DATA

Model	Speed	Flow rate	Delivery Pressure	No. of Stages	Motor Power	Weight	Dimension(LxWxH)
	rpm	l/min	bar		kW	kg	mm
500-7000 l/min, 2 stages							
BM5.1/40-7.5	1460	500	35	2	7.5	135	870x600x610
BM6.1/40-11	1470	750	35	2	11	355	1350x860x960
BM10.1/40-15	1470	1000	35	2	15	380	1400x950x960
BM18.1/40-30	1470	2090	40	2	30	910	1860x1115x1300
BM28.1/40-45	1480	2880	40	2	45	990	1880x1115x1300
BM35.1/40-55	1480	3630	40	2	55	1700	2100x1350x1400
BM45.1/40-75	1480	4900	40	2	75	1900	2100x1350x1400
BM60.1/30-90	1480	6520	30	2	90	2000	2300x1350x1400
BM70.1/30-110	1480	7000	30	2	110	2300	2500x1350x1400

Model	Speed	Flow rate	Delivery Pressure	No. of Stages	Motor Power	Weight	Dimension(LxWxH)
	rpm	l/min	bar		kW	kg	mm
620-7200 l/min, 3 stages							
BM5.1/100-11	1470	620	100	3	11	365	1350x930x960
BM10.1/100-18.5	1470	1000	100	3	18.5	440	1400x950x960
BM20.1/100-37	1480	2140	100	3	37	960	1880x1350x1260
BM30.1/100-55	1480	3000	100	3	55	1100	1950x1280x1260
BM40.1/100-75	1480	4100	100	3	75	1900	2100x1450x1400
BM50.1/100-90	1480	5100	100	3	90	2000	2100x1450x1400
BM60.1/100-110	1480	6000	100	3	110	2300	2500x1450x1400
BM70.1/100-132	1480	7200	100	3	132	2400	2600x1450x1400

CERTIFICATIONS

Others available on application.

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