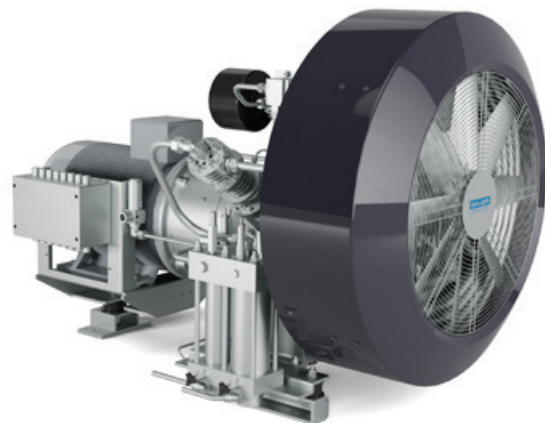


BM SERIES

AIR-COOLED MEDIUM-PRESSURE COMPRESSORS FOR THE COMPRESSION OF AIR



INDUSTRY



MEDIUM PRESSURE COMPRESSORS FOR HEAVY-DUTY APPLICATIONS

BAUER BM SERIES - THE LEGENDARY BAUER PERFORMANCE AND RELIABILITY IN THE MEDIUM-PRESSURE SEGMENT

The BAUER BM series offers a wide power range from 11 - 132 kW with delivery rates from 620 - 7200 l/min. The compressors are available in a 2-stage version for discharge pressures up to 40 bar or in a 3-stage version for discharge pressures up to 100 bar.

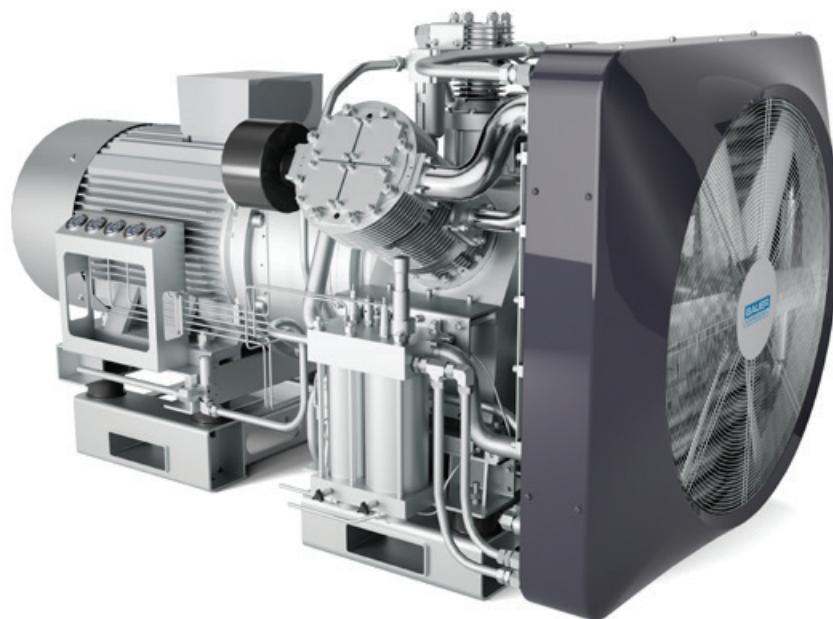
TYPICAL APPLICATIONS OF THE BM SERIES

- › Shipbuilding industry and shipping
- › Marine
- › Offshore applications
- › Energy sector
- › Defence industry
- › Industrial applications

FEATURES

- › **Air-cooled**
- › **Direct coupled**
- › **2 or 3 compressor stages**

- › **30 to 110 bar**
- › **620 to 7200 l/min**
- › **11 to 132 kW**



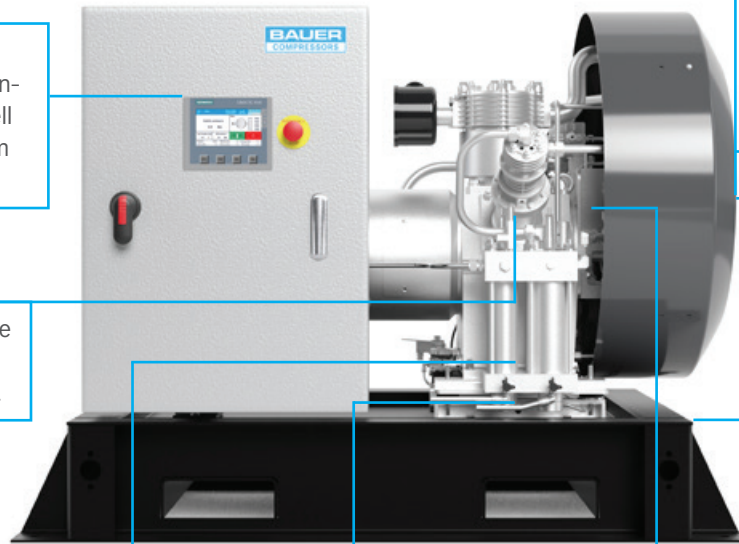
YOUR ADVANTAGES

- › **Reliable and robust machines based on our decades of experience**
- › **Lightweight and compact with a small installation footprint**
- › **Outstanding performance and longevity, even at high ambient temperatures**
- › **Suitable for heavy-duty operating conditions**

Excellent quality, reliability and operational safety as well as ease of maintenance and cost efficiency make the BM series the first choice worldwide.

Low oil consumption, long maintenance intervals and transparent maintenance kits also reduce the total cost of ownership (TCO).

THE BM SERIES IN DETAIL



The optional **C-CONTROL** with touchscreen display enables easy operation as well as a comprehensive system overview.

All compression stages are protected with integrated inter-stage **safety valves**.

Integral **inter-stage separators** ensure high efficiency of condensate removal.

Automatic condensate drains with condensate collection provide worry-free operation.

Compact design makes the BM Series ideal for operations where space is at a premium.

Air-cooled design with a large cooling fan provides optimal-cooling across all cylinders.

Low centre of gravity with the ability to operate at inclinations up to 30° under motion makes this an ideal product for shipboard and offshore applications.

Integrated oil pump provides forced lubrication to all essential components of the compressor under the most severe operating conditions.

SERVICE & SUPPORT

The BAUER BM Series compressors are covered by the same BAUER Lifecycle Performance Guarantee as all other BAUER products. This includes uninterrupted spare parts support for the lifecycle of the product as well as 24/7/365 technical support directly through BAUER or BAUER's extensive network of local Authorized Distributors.

OPTIONS

- › Compressor control C-CONTROL basic and C-CONTROL +
- › Interstage pressure and temperature monitoring
- › Intermediate pressure gauge
- › Suitable air and gas treatment systems
- › Heavy-duty skid with integrated fork-lift pockets and structural tie-downs
- › DNV approval

Model	F.A.D. ¹		Frequency		Max. operating pressure ²		No. of stages	Speed approx.	Motor power	Net weight approx.	
	l/min	m ³ /h	cfm	Hz	bar	psig				rpm	kW
BM SERIES 40 bar, 50 Hz											
BM6.1/40-11	750	45	26.5	50	35	508	2	1480	11	355	783
BM10.1/40-15	1000	60	35.3	50	35	508	2	1470	15	380	838
BM18.1/40-30	2090	125.4	73.8	50	40	580	2	1470	30	910	2006
BM28.1/40-45	2880	172.8	101.7	50	40	580	2	1480	45	990	2183
BM45.1/40-75	4900	294	173	50	40	580	2	1480	75	1900	4189
BM70.1/30-110	7000	420	247.2	50	30	435	2	1480	110	2300	5071
BM SERIES 100 bar, 50 Hz											
BM5.1/100-11	620	37.2	21.9	50	100	1450	3	1480	11	365	805
BM10.1/100-18.5	1000	60	35.3	50	100	1450	3	1480	18.5	440	970
BM20.1/100-37	2100	126	74.2	50	100	1450	3	1480	37	960	2116
BM30.1/100-55	3000	180	105.9	50	100	1450	3	1480	55	1100	2425
BM60.1/100-110	6000	360	211.9	50	100	1450	3	1480	110	2300	5071
BM70.1/100-132	7200	432	254.3	50	100	1450	3	1480	132	2400	5291

Model	F.A.D. ¹		Frequency		Max. operating pressure ²		No. of stages	Speed approx.	Motor power	Net weight approx.	
	l/min	m ³ /h	cfm	Hz	bar	psig				rpm	kW
BM SERIES 40 bar, 60 Hz											
BM6.1/40-15	900	54	31.8	60	35	508	2	1780	15	355	783
BM10.1/40-18.5	1230	73.8	43.4	60	35	508	2	1780	18.5	380	838
BM18.1/40-37	2540	152.4	89.7	60	40	580	2	1780	37	910	2006
BM28.1/40-55	3470	208.2	122.5	60	40	580	2	1780	55	990	2183
BM45.1/40-55	3950	237	139.5	60	40	580	2	1170	55	1900	4189
BM70.1/30-90	5600	336	197.8	60	30	435	2	1170	90	2300	5071
BM SERIES 100 bar, 60 Hz											
BM5.1/100-15	750	45	26.5	60	100	1450	3	1780	15	365	805
BM10.1/100-22	1250	75	44.1	60	100	1450	3	1780	22	440	970
BM20.1/100-45	2580	154.8	91.1	60	100	1450	3	1780	45	960	2116
BM30.1/100-75	3610	216.6	127.5	60	100	1450	3	1780	75	1100	2425
BM60.1/100-90	4730	283.8	167	60	80	1160	3	1170	90	2300	5071
BM70.1/100-110	5670	340.2	200.2	60	80	1160	3	1170	110	2400	5291

1 Volume flow rate according to ISO 1217; power consumption at atmospheric inlet pressure and max. final pressure under defined framework conditions.

2 Max. shut-down pressure. Set pressure of safety valve 10% higher.

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BM SERIES EN
 N46866
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Subject to technical changes