

MID-PRESSURE COMPRESSOR SERIES

MARITIME, HYDROPOWER, GENERAL INDUSTRIAL APPLICATIONS



MEDIUM PRESSURE COMPRESSORS FOR HEAVY-DUTY APPLICATIONS

SYSTEM SPECIFICATIONS

CONFIGURATION:

- 2 or 3 stage

FLOW RATE:

- 27-247 SCFM

FINAL PRESSURE:

- 435-1450 PSIG

POWER:

- 20-175 HP



Shown with optional heavy-duty skid



BAUER BMP™ SERIES: LEGENDARY BAUER PERFORMANCE AND RELIABILITY IN A MEDIUM-PRESSURE AIR COMPRESSOR

For 75 years BAUER has been the world’s leader in high-pressure compressors ranging from 3600 – 7000 PSIG (248 – 482 barg). We are proud to announce the arrival of our medium-pressure BAUER BMP™ Series air compressors which are designed for continuous, heavy-duty applications in the Industrial, Maritime and Hydropower market segments.

PERFORMANCE:

The BAUER BMP™ Series air compressors offer a wide size range from 20 – 175 HP (15 – 128 kW) with flow rates from 27 – 247 SCFM (46 – 420 m³/hr). The BMP™ Series is available in a 2-stage design for final pressures up to 580 PSIG (40 bar) or 3-stage design for final pressures up to 1450 PSIG (100 bar).

RELIABILITY:

The BAUER BMP™ Series air compressors have been designed and built by BAUER with the same commitment to legendary reliability that BAUER is known for across the globe. Every BAUER product is built with a 20 – 30 year product lifecycle expectation. With the optional BAUER CONNECT® remote control and IoT overlay, the entire BMP™ compressor system can be monitored 24/7 through BAUER’s propriety AI software which automatically sends out alerts if system parameters run out of spec. This allows for intervention before an unexpected shutdown occurs.

SUPPORT:

The BAUER BMP™ 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.

CODES AND SPECIFICATIONS:

- Operating temperature range:** 40° F – 122° F (5° C – 50° C)
- Electrical Code:** UL / CE
- Power:** 460 volts, 60 Hz, 3-phase (other voltages available upon request)

OTHER FEATURES AND BENEFITS:

- Compact design makes the BMP™ Series ideal for operations where space is at a premium.
- Low center of gravity with the ability to operate at inclinations up to 30° under motion makes this an ideal product for ship-board applications.
- Integrated oil pump provides forced lubrication to all essential components of the compressor under the most severe operating conditions, thus extending the life of all critical components such as cylinders, pistons, and valves.
- Air-cooled design with a large cooling fan provides optimal cooling across all cylinders in high-temperature conditions.
- All compression stages are protected with integrated inter-stage safety valves.
- Integral inter-stage separators ensure 99% efficiency of condensate removal.
- Automatic condensate drains with condensate collection provide worry-free operation.
- PLC control with touchscreen HMI provides ease of operation as well as a comprehensive system overview and ease of parameter setting.

OPTIONAL FEATURES:

- Heavy-duty skid with integrated fork-lift pockets and structural tie-downs
- Interstage pressure and temperature monitoring
- BAUER CONNECT® remote control and IoT



TECHNICAL DATA

Model	Flow Rate		Final Pressure		Motor Speed*	Motor Size		Power Consumption	Weight**	
	scfm	m³/h	psig	barg		hp	kW		kW	lbs
MEDIUM PRESSURE SERIES: 2-STAGE COMPRESSION UP TO 580 PSIG (40 barg)										
BMP6.1/40-15	31.8	54.0	508	35	1780	20	15	13.1	783	355
BMP10.1/40-18.5	43.4	73.8	508	35	1780	25	19	17.7	838	380
BMP18.1/40-37	89.7	152.4	580	40	1780	50	37	36.8	2006	910
BMP28.1/40-55	122.5	208.2	580	40	1780	75	55	50.5	2183	990
BMP60.1/30-75	181.9	309.0	435	30	1170	100	75	66.4	4409	2000
BMP70.1/30-90	197.8	336.0	435	30	1170	120	90	72.5	5071	2300
MEDIUM PRESSURE SERIES: 3-STAGE COMPRESSION UP TO 1450 PSIG (100barg)										
BMP5.1/100-15	26.5	45.0	1450	100	1780	20	15	13.6	805	365
BMP10.1/100-22	44.1	75.0	1450	100	1780	30	22	21.8	970	440
BMP20.1/100-45	91.1	154.8	1450	100	1780	60	45	44.5	2116	960
BMP30.1/100-75	127.5	216.6	1450	100	1780	100	75	62.7	2425	1100
BMP60.1/80-90	167.0	283.8	1160	80	1170	120	90	77.5	5071	2300
BMP70.1/80-110	200.2	340.2	1160	80	1170	150	110	92.5	5291	2400
BMP70.1/80-132	247.2	420.0	1160	80	1170	175	132	113.5	5512	2500

Compressor flow rate capacity (FAD) is referenced to standard inlet conditions as defined by ISO 1217: Absolute Pressure at 364 ft (111m) elevation = 14.5 PSI (1 Bar), Temperature of 68° F(20°C) and RH of 0%. Tolerance +/-5%. *Motor speed at 60hz **Weight without optional skid



IOT REMOTE TELEMETRY AND CONTROL

BAUER CONNECT® is an app and internet-based IoT solution which allows BAUER customers to remotely monitor - and control - the performance of the entire BAUER system through any wireless mobile device or computer; anytime, anywhere.

Key Features: allow customers to increase efficiency and productivity, save time, do more with fewer resources, enjoy lower operational costs, and have total flexibility with a solution tailored specifically for the end-user.

BAUER CONNECT® - Connection that matters.

TO LEARN MORE VISIT

bauer-connect.com



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Subject to technical changes