

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 – 113°F (5° C – 45°C)
- **Electrical Code:** UL / CE
- **Power:** 460 volts, 60 Hz, 3-phase (other voltages available upon request)

TECHNICAL DATA

Model	Flow Rate		Final Pressure		Motor Speed*	Motor Size		Weight**		Dimension
	scfm	m³/h	psig	barg	rpm	hp	kW	lbs	kg	mm
MEDIUM PRESSURE SERIES: 2-STAGE COMPRESSION UP TO 580 PSIG (40 barg)										
BMP6.1/40-15	28	47	508	35	1750	20	15	805	365	1400x860x960
BMP10.1/40-18.5	42	72	508	35	1750	25	19	937	425	1450x950x960
BMP18.1/40-37	78	132	580	40	1760	50	37	2095	950	1900x1210x1350
BMP28.1/40-55	117	198	580	40	1750	75	56	2426	1100	1950x1210x1350
BMP45.1/40-75	158	268	580	40	1750	100	75	4190	1901	1950x1210x1350
BMP70.1/30-110	247	420	435	30	1750	150	110	5071	2300	1950x1210x1350

MEDIUM PRESSURE SERIES: 3-STAGE COMPRESSION UP TO 1450 PSIG (100barg)										
BMP5.1/100-15	25	42	1450	100	1750	20	15	827	375	1400x930x960
BMP10.1/100-22	43	73	1450	100	1750	30	22	1003	455	1450x950x960
BMP20.1/100-45	84	142	1450	100	1750	60	45	2183	990	1880x1350x1260
BMP30.1/100-75	126	215	1450	100	1750	100	75	2646	1200	2050x1280x1260
BMP60.1/100-90	166	282	1450	100	1750	120	90	5226	2370	2650x1450x1400
BMP70.1/100-132	247	420	1450	100	1750	175	132	5291	2400	2600x1450x1400

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

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



BAUER CONNECT® 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.



Available on



To sign up and register go to Signup: Bauer-Connect.com



BAUER COMPRESSORS, INC.

1328 Azalea Garden Road
Norfolk, VA 23502

Tel. +1 (757) 855-6006

Fax +1 (757) 857-1041

www.BauerComp.com

www.BauerOilandGas.com



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Subject to technical changes