

# 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:

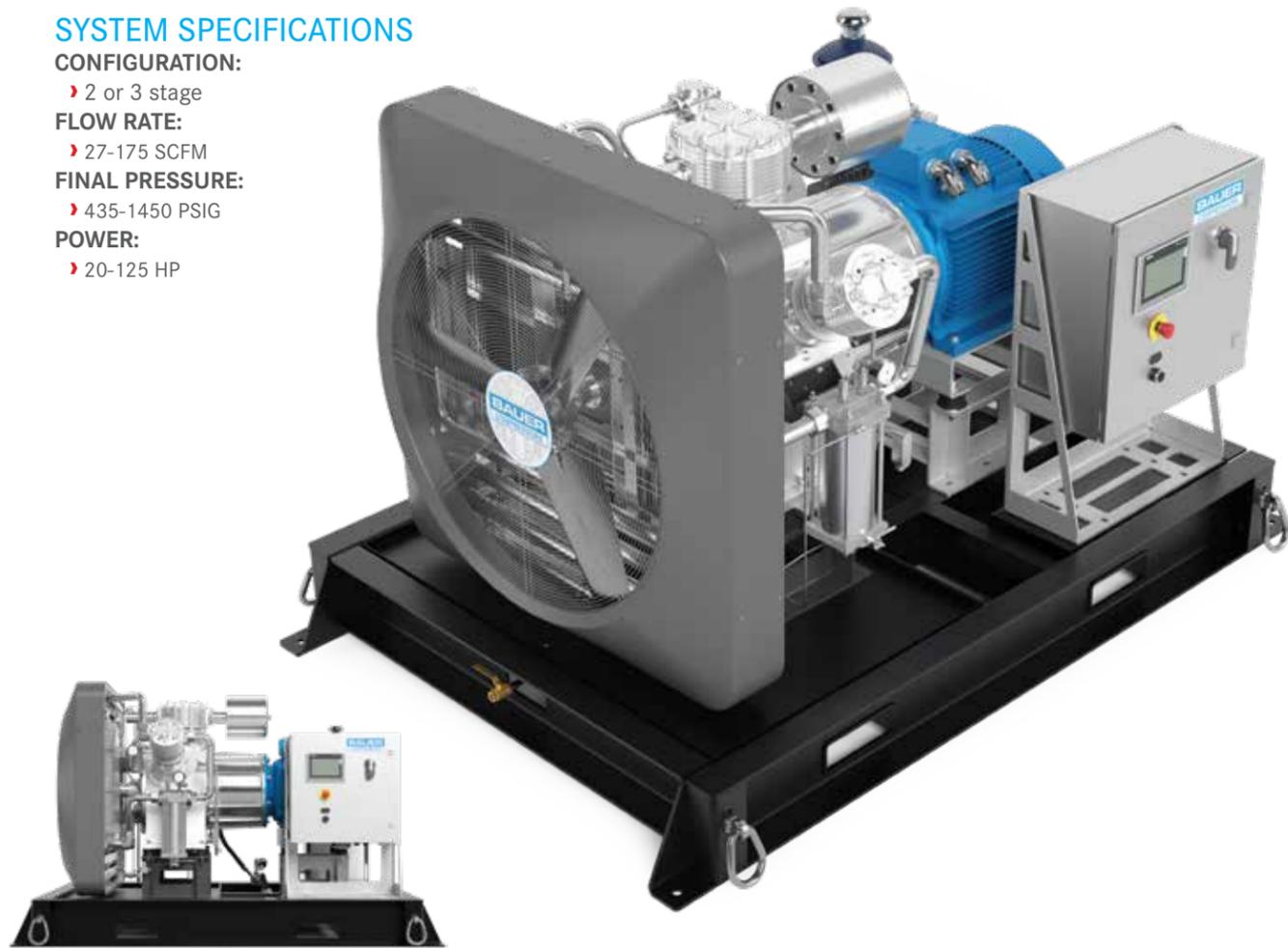
- ▶ 27-175 SCFM

### FINAL PRESSURE:

- ▶ 435-1450 PSIG

### POWER:

- ▶ 20-125 HP



## 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. 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 -125 HP with flow rates from 27- 175 SCFM). The BMP™ Series is available in a 2-stage design for final pressures up to 435 PSIG (30 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 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 same BAUER Lifecycle Performance Guarantee covers the BAUER BMP™ Series compressors as all other BAUER products. This includes uninterrupted spare parts support for the product's lifecycle and 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 / NEC
- **Power:** 460 volts, 60 Hz, 3-phase

## 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.
- Heavy-duty skid with integrated fork-lift pockets and structural tie-downs
- Interstage pressure and temperature monitoring
- Integrated oil containment pan with drain valve
- BAUER CONNECT® remote control and IoT

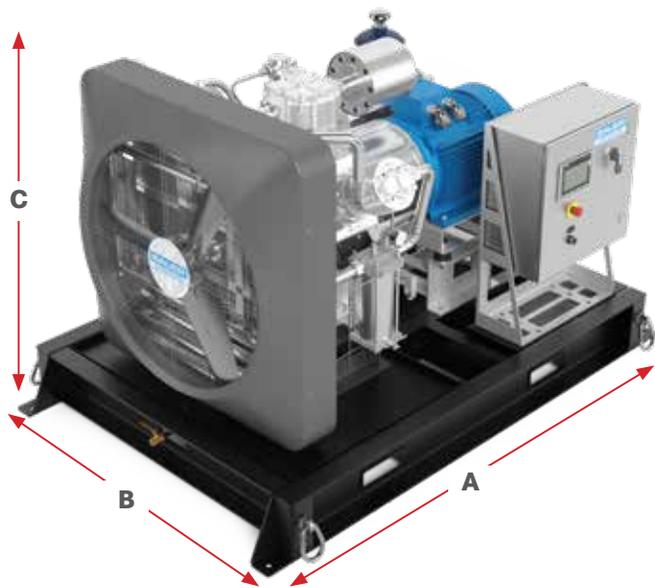


## TECHNICAL DATA

Model	Flow Rate <sup>1</sup>		Final Pressure <sup>2</sup>		Motor Speed <sup>*</sup>	Motor Size		Power Consumption <sup>3</sup>		Weight	
	scfm	m <sup>3</sup> /h	psig	barg		rpm	hp	kW	kW	lbs	kg
<b>MEDIUM PRESSURE SERIES: 2-STAGE COMPRESSION UP TO 435 PSIG (30 barg) 60Hz</b>											
BMP6.1/30-15	33	55.8	435	30	1775	20	15	12.5	860	390	
BMP10.1/30-18.5	41	69	435	30	1775	25	18.5	15.4	959	435	
<b>MEDIUM PRESSURE SERIES: 3-STAGE COMPRESSION UP TO 580 PSIG (40barg) 60Hz</b>											
BMP6.1/40-15	28	60	580	40	1770	20	15	11.3	882	400	
BMP10.1/40-18.5	46	78	580	40	1780	25	18.5	17.7	970	440	
BMP20.1/40-37	94	160.2	580	40	1780	50	37	35.5	2050	930	
BMP30.1/40-55	132	225	580	40	1780	75	55	50.9	2425	1100	
BMP60.1/40-75	175	297.6	580	40	1185	100	75	66	4982	2260	
<b>MEDIUM PRESSURE SERIES: 3-STAGE COMPRESSION UP TO 1450 PSIG (100barg)</b>											
BMP6.1/100-15	27	45.6	1450	100	1775	20	15	13.5	882	400	
BMP10.1/100-22	45	76.8	1450	100	1780	30	22	21.8	1003	445	
BMP20.1/100-45	93	157.2	1450	100	1780	60	45	44.3	2183	990	
BMP30.1/100-75	130	221.4	1450	100	1780	100	75	62.3	2668	1210	
BMP60.1/80-90	173	294.6	1160	80	1185	125	90	77.5	5225	2370	

<sup>1</sup> Volume flow rate according to ISO 1217 <sup>2</sup> Safety valve setting at 1.1 times of shut-down pressure <sup>3</sup> Power consumption at shut-down pressure.   
 \* Motor speed at 60hz

# BAUER BMP™ SERIES DIMENSIONS



	BMP 6.1		BMP 10.1		BMP 20.1		BMP30.1	
	mm	in	mm	in	mm	in	mm	in
<b>A</b>	1828	72	1828	72	2438.4	96	2438.4	96
<b>B</b>	1422.4	56	1422.4	56	1524	60	1524	60
<b>C</b>	1306.5	51.4	1306.6	51.4	1474.9	58	1730.22	68



## 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](http://bauer-connect.com)

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