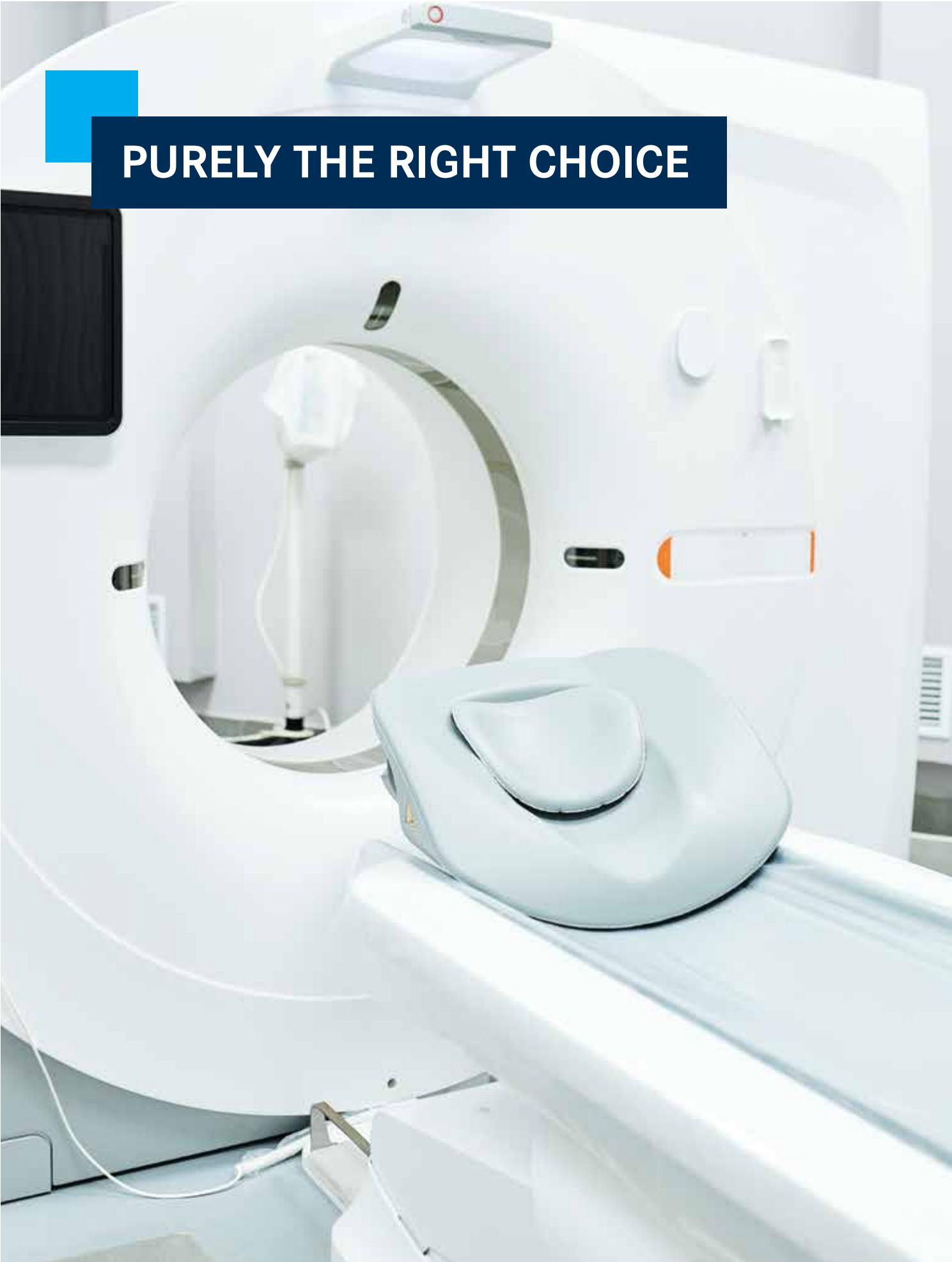


BAUER H-SERIES

For Helium Solutions Catalog



INDUSTRY



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HIGHEST QUALITY PRODUCTS AND SOLUTIONS FOR HIGH PRESSURE...

MISSION STATEMENT

Our mission at BAUER COMPRESSORS INC. is to provide the highest quality products and solutions for high pressure air and gas. We are committed to using the latest technology, best materials, most qualified human resources, and the most efficient fabrication techniques. As a result, our equipment solutions offer superior performance along with best value, and are delivered on time, defect-free and are supported to achieve their maximum potential throughout their entire lifecycle.

HISTORY
TRUSTED INDUSTRY LEADER FOR OVER
75 YEARS

For the past 75 years, BAUER compressors has stood the test of time for the highest level of performance, quality, safety, and innovation. All BAUER compressors are designed and manufactured in-house with complete control of every step to ensure that BAUER’s uncompromising standards for ultimate performance, unmatched reliability, highest durability, and lowest cost of ownership are met. At BAUER, we are well known for our high-tech precision manufacturing and quality process, resulting in products that outperform and outlast any other compressor brand on the market today.

INNOVATION
ULTIMATE PERFORMANCE AND
RELIABILITY

At BAUER, we are committed to providing our customers with the most technologically advanced products in the world. Only the latest CAD and finite element calculation programs are used in the design of each product. To maintain our technological edge, BAUER reinvests a large portion of corporate earnings back into R&D. Simultaneously, we draw on our more-than-a century of machine building heritage to advance our causes for the future. The result: products which are built to attain the highest standards of performance and reliability.

QUALITY
LOWEST COST OF OWNERSHIP

At BAUER, our world-renowned quality is a result of being vertically integrated. We maintain control of the entire production process, starting from R&D, to engineering & design, and to manufacturing & assembly. Only the highest -grade materials and state of the art precision manufacturing methods are used in the making of each compressor. To ensure consistent quality throughout, our entire manufacturing process, from the compressor to complete system, is ISO9001 certified. Every unit is put through rigorous testing by our QC department before release from our factory for shipping. The result: a highly-reliable product that keeps on performing with minimal cost of ownership.





BAUER HELIUM SOLUTIONS

BAUER has been providing helium compressors and ancillary equipment to well-known gas industry leaders since the 1980s. Now, over forty years later, we are proud to be the gold standard in helium-specific compressors. We are well suited to meet essentially any demand which requires boosting – or compressing – helium to high pressures.

HIGH-PRESSURE SOLUTIONS

Helium gas has a density which is 86% less than air. This means that the compressors must be built to extremely tight tolerances to effectively compress the gas without excessive blow-by. Furthermore, helium releases large amounts of heat when it is compressed, which the compressor must be able to absorb and shed. BAUER’s water cooling technology meets these requirements with increased cooling efficiency, and our purpose-built helium compressors can accommodate some of the most difficult parameters.

HELIUM RECOVERY

Helium is similar to crude oil: there are plenty of deposits on Earth, but only in specific regions. In order to mitigate the widespread dependence on this element, BAUER helium recovery compressor systems assist in minimizing the waste of helium.

BEST WARRANTY IN THE INDUSTRY

We are so confident in our quality that our helium systems are warranted for two years after the shipment date. This level of support is virtually unmatched in the industry.

24/7 CUSTOMER SUPPORT

All BAUER helium systems are supported by a nationwide network of BAUER factory trained technicians. We are available 24/7 for technical and spare parts support. We also offer remote monitoring of your system for early problem detection, to ensure the highest level of uptime and reliability for years to come.

G60-V H-SERIES

THE ALL-IN-ONE COMPACT HELIUM RECOVERY SOLUTION

BAUER has developed an all-new helium recovery system in an outstandingly compact design, in response to specific market demand. Standard systems which collect helium in bulky external gas balloons can be too big for certain applications. Hospitals, laboratories, and other medical facilities often work with small volumes of helium but have limited space. BAUER’s new G60-V system for helium recompression was designed specifically for cases like these.

The compact plug-and-play solution accommodates all of the system components in a neat vertical housing which minimizes the machine footprint. As a standout feature, the gas balloon for helium collection is dimensioned in alignment with the system output and directly integrated into the housing. An ultra-compact compressor block compresses the helium from the balloon to 200 bar (2900 psig). After passing through the integrated gas purification system, the compressed helium reaches a sufficient purity level for most applications. The system therefore makes an important contribution to conserving helium, a rare gas.

- SYSTEM FOOTPRINT**
DIMENSIONS L x W x H inches (mm) approx.
- › 56” x 32” x 61” (1410 mm x 802 mm x 1547 mm)
- WEIGHT pounds (kg) approx.**
- › 290 lbs (640 kg)



TECHNICAL DATA

Model	Max Inlet Pressure		Capacity FGD		RPM	Number of Stages	Motor		Drive
	PSIG	mBAR	SCFM	M³/HR			HP	KW	
3000 PSIG (3260 PSIG RV SETTING)									
G60-V	atm	atm	2.1	3.6	1850	3	3	2.2	E1

BAUER H-SERIES 1

Compact Design for Low-Flow Applications

Air-Cooled – 3-, 4-, and 5-Stage Compressors

BAUER H-Series compressors for helium are available in a wide range of capacities for a multitude of helium applications. The experts at BAUER can assist with selecting the right model and accessories to meet your specific requirements.

- SYSTEM FOOTPRINT**
DIMENSIONS L x W x H inches (mm)
- › 55” x 35” x 70” (1397 mm x 889 mm x 1778 mm)
- WEIGHT pounds (kg)**
- › 800-1400 lbs (363-635 kg)



TECHNICAL DATA

Model	Max Inlet Pressure		Capacity FGD¹		RPM	Number of Stages	Motor		Drive
	PSIG	mBAR	SCFM	M³/HR			HP	KW	
UP TO 3190 PSIG OPERATING PRESSURE									
V*CH12.0	1.5	100	5	8.4	1250	3	7.5	5.5	E1 / E3
V*CH15.2	1.5	100	14.8	25.2	1320	4	20	15	E3
UP TO 4990 PSIG OPERATING PRESSURE									
V*CH15.1	< 1	50	11.3	19.2	1230	4	15	11	E3
V*CH18.1	< 1	50	15	25.2	1490	5	20	15	E3

* E = Enclosed Design , A = Open Design

¹ Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending on site conditions.

BAUER H-SERIES 2

Air-Cooled Compact Design for Low to Medium Flow Applications

SYSTEM FOOTPRINT

DIMENSIONS L x W x H inches (mm) approx.*

- › 97” x 58” x 85” (2464 mm x 1473 mm x 2159 mm)

WEIGHT pounds (kg) approx.

- › 3200-4000 lbs (1066-1814 kg)

Depending upon model and options

*Dimensions exclude vent stack



› GR25.9
Frame redesign in progress, image is only representative.

TECHNICAL DATA

Model	Max Inlet Pressure		Capacity FGD¹		RPM	Number of Stages	Motor		Drive
	PSIG	mBAR	SCFM	M³/HR			HP	KW	
UP TO 3190 PSIG OPERATING PRESSURE									
GHE25.9	< 1	50	54	91	1180	5	60	45	E3
UP TO 4900 PSIG OPERATING PRESSURE									
GHE25.9	< 1	50	47	79	1050	5	60	45	E3
GHE25.18	< 1	50	64	108	1100	5	75	55	E3

¹ Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending on site conditions.

BAUER H-SERIES 3

Air-Cooled Compact Design for Low to Medium Flow Applications

ENCLOSED DESIGN SYSTEM FOOTPRINT

DIMENSIONS L x W x H inches (mm) approx.*

- › 97” x 58” x 85” (2464 mm x 1473 mm x 2159 mm)

WEIGHT pounds (kg) approx.

- › 3200-4000 lbs (1066-1814 kg)

Depending upon model and options

*Dimensions exclude vent stack

OPEN DESIGN SYSTEM FOOTPRINT

DIMENSIONS L x W x H inches (mm) approx.

- › 42” x 60” x 74” (1067 mm x 1524 mm x 1905 mm)

WEIGHT pounds (kg) approx.

- › 2300 lbs (1043 kg)



› Enclosed Design
System with purpose-built outdoor cabinet enclosure



› Open Design

TECHNICAL DATA

Model	Max Inlet Pressure		Capacity FGD		RPM	Number of Stages	Motor		Drive
	PSIG	mBAR	SCFM	M³/HR			HP	KW	
UP TO 3190 PSIG OPERATING PRESSURE (low inlet pressure)									
GHE220	< 1	50	26	44	1140	4	30	22	E3
GHE23.1	1.5	100	30	51	1280	4	40	30	E3

¹ Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending on site conditions.



BAUER H-SERIES 4
Water-Cooled Designed for High-Pressure Helium Compression

SYSTEM FOOTPRINT

DIMENSIONS L x W x H inches (mm) approx.

- › 97” x 58” x 85” (2464 mm x 1473 mm x 2159 mm)

WEIGHT pounds (kg) approx.

- › 3200-4000 lbs (1066-1814 kg)

TECHNICAL DATA

Model	Max Inlet Pressure		Capacity FGD ¹		RPM	Number of Stages	Motor		Drive
	PSIG	BAR	SCFM	M³/HR			HP	KW	
UP TO 3190 PSIG OPERATING PRESSURE									
GBHE23.2	ATM.	ATM.	26	44	1140	4	30	22	E3
GBHE23.2	ATM.	ATM.	32	55	1420	4	40	30	E3
UP TO 4350 PSIG OPERATING PRESSURE ²									
GBHE23.2	8.7 - 14.5	0.6 - 1	42 - 53	72 - 90	1140	4	50	37	E3
GBHE23.2	8.7 - 14.5	0.6 - 1	51 - 64	87 - 109	1420	4	60	45	E3

¹ Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending upon site conditions. ² These models must have the mentioned inlet pressure.



› Enclosed Design
System with purpose-built outdoor cabinet enclosure

BAUER H-SERIES 5
Air-Cooled with Vapor Recovery System
Designed for High-Flow Applications

SYSTEM FOOTPRINT (Closed Design)

DIMENSIONS L x W x H inches (mm)

- › 133” x 104” x 115” (3378 mm x 2642 mm x 2921 mm)

WEIGHT pounds (kg) approx.

- › 10000 lbs (4535 kg)

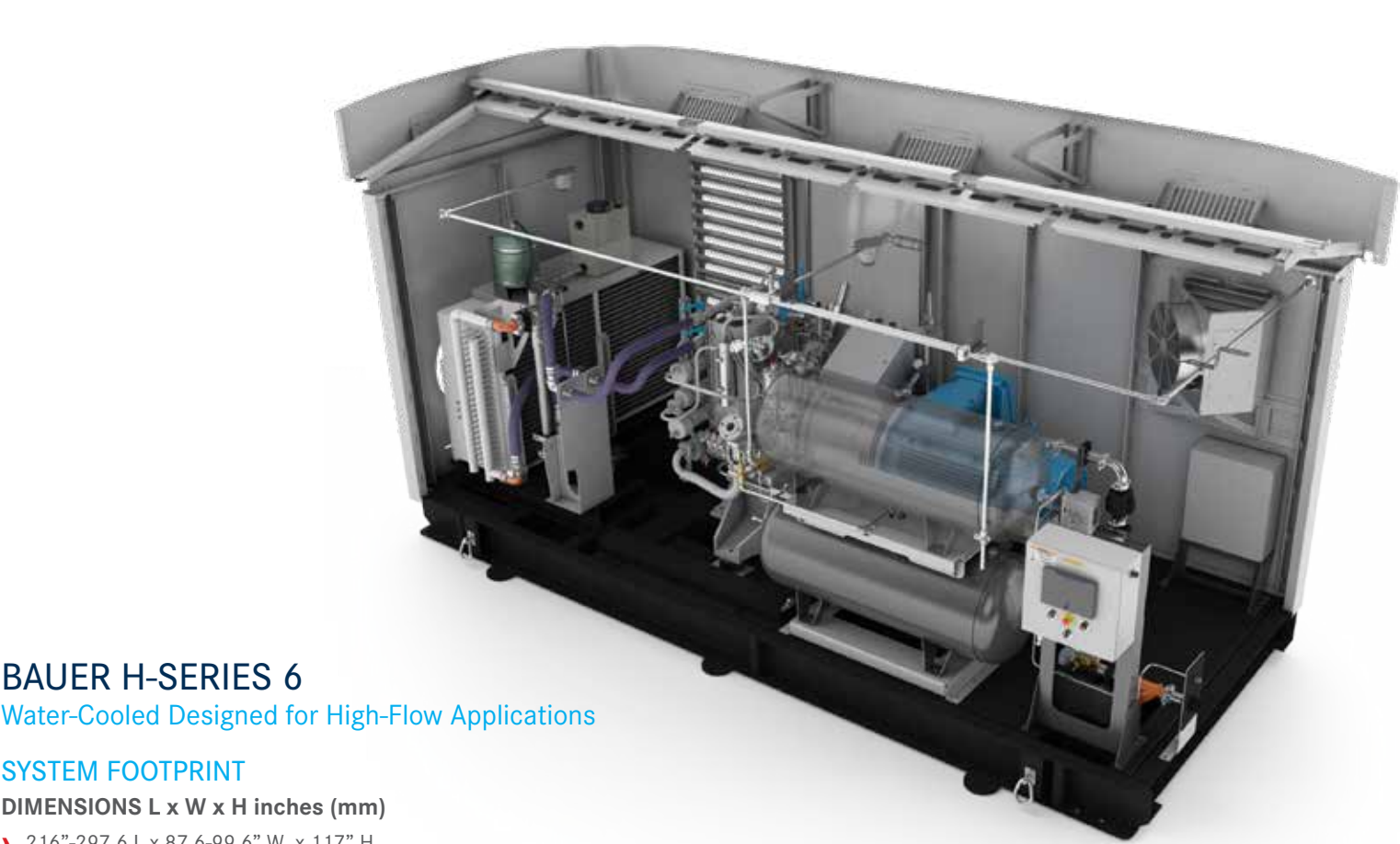
TECHNICAL DATA

Model	Max Inlet Pressure ²		Capacity FGD ¹		RPM	Number of Stages	Motor		Drive
	PSIG	BAR	SCFM	M³/HR			HP	KW	
UP TO 5000 PSIG OPERATING PRESSURE (ELEVATED INLET PRESSURE) ²									
GBHE23.10	29 - 65	2 - 4.5	37 - 69	64 - 117	1140	4	50 - 60	37 - 45	E3
GBHE23.12	65 - 130	4.5 - 9	48 - 85	82 - 144	1140	4	50 - 60	37 - 45	E3
GBHE23.13	116 - 203	8 - 14	59 - 99	101 - 168	1140	4	50 - 60	37 - 45	E3

¹ Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending upon site conditions. ² Lower inlet pressure can result in lower operating pressure. Contact BAUER for min. / max. operating pressure relative to inlet pressure.



› Open Design*
*Contact us for weight, dimensions, and OD drawings



BAUER H-SERIES 6
Water-Cooled Designed for High-Flow Applications

SYSTEM FOOTPRINT

DIMENSIONS L x W x H inches (mm)

- 216"-297.6 L x 87.6-99.6" W x 117" H
(5486.4-7543.8 mm x 2225.04-2529.84 mm x 2971.8 mm)

WEIGHT pounds (kg) approx.

- 18000 -22700 lbs (8165 -10297 kg)

TECHNICAL DATA

Model	Max Inlet Pressure ²		Capacity FGD ¹		RPM	Number of Stages	Motor		Drive
	PSIG	BAR	SCFM	M³/HR			HP	KW	
UP TO 5000 PSIG OPERATING PRESSURE (ELEVATED INLET PRESSURE) ²									
GBHE26.10	29 - 65	2 - 4.5	147 - 271	250 - 461	1485	4	177 - 215	132 - 160	E3
GBHE26.12	65 - 145	4.5 - 10	152 - 305	259 - 518	1485	4	177 - 215	132 - 160	E3
GBHE26.13	145 - 217	10 - 15	220 - 322	374 - 547	1485	4	177 - 215	132 - 160	E3
GBHE52.10	29 - 65	2 - 4.5	297 - 543	504 - 922	1485	4	335 - 422	250 - 315	E3
GBHE52.12	65 - 145	4.5 - 10	305 - 613	518 - 1042	1485	4	335 - 422	250 - 315	E3
GBHE52.13	145 - 217	10 - 15	441 - 644	749 - 1094	1485	4	335 - 442	250 - 315	E3

¹ Volume flow rate according to ISO 1217. Valid for Helium. Contact BAUER for performance verification. Capacities referenced to atmospheric inlet pressure. Motor power valid for max. inlet and final pressure. Actual performance values may vary depending upon site conditions. ² Lower inlet pressure can result in lower operating pressure. Contact BAUER for min. / max. operating pressure relative to inlet pressure.



BAUER H-SERIES 7
Water-Cooled Designed for High-Flow Applications

Self-contained transportable helium system configured for plug-and-play operation with easy site setup. Flexible inlet pressure range from 5 to 215 PSIG.

SYSTEM FOOTPRINT

DIMENSIONS L x W x H feet (mm)

- 40' x 8' x 9.5'
(12192 mm x 2438 mm x 2895 mm)

WEIGHT pounds (kg) approx.

- 22700 lbs (10297 kg)

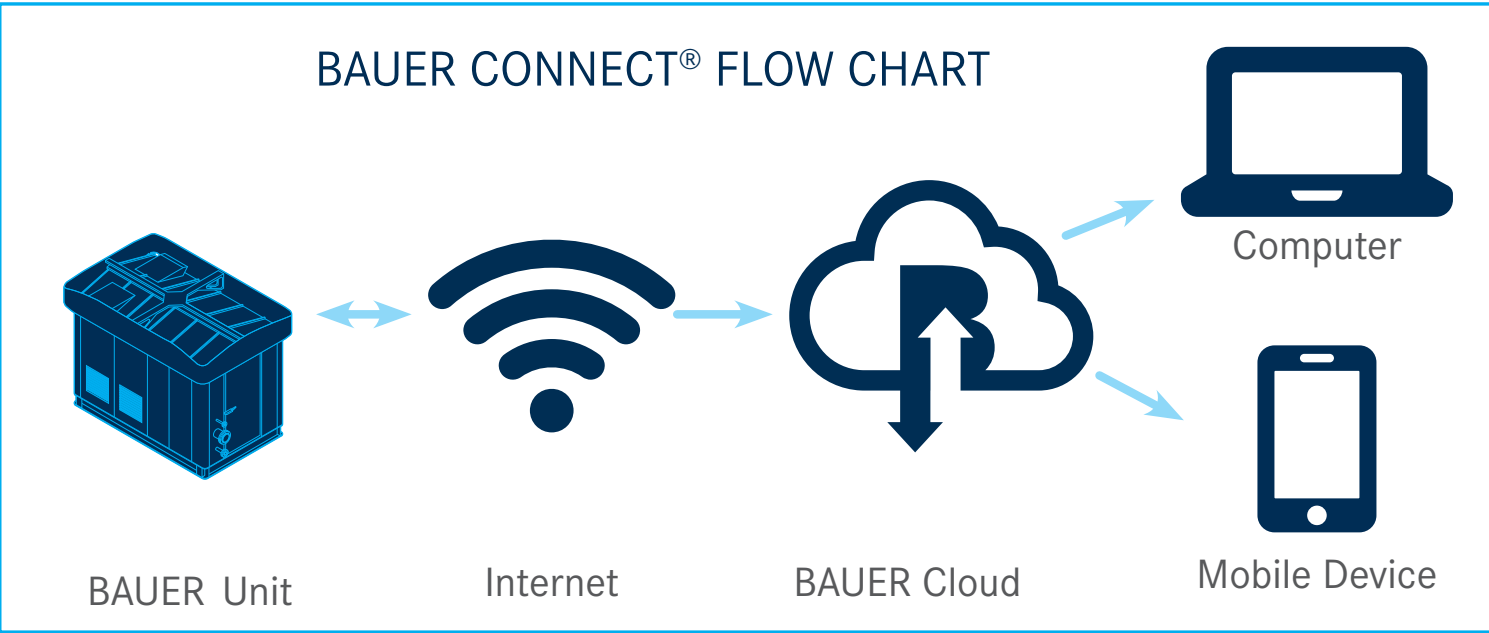
TECHNICAL DATA

Model	Max Inlet Pressure		Capacity FGD		RPM	Number of Stages	Motor		Drive
	PSIG	BAR	SCFM	M³/HR			HP	KW	
UP TO 5000 PSIG									
GRU & GBHE23.12 (XXL)	15	1	92	157	1500	5	85-100	64-75	E3
GRU & GBHE26.12 (XXL)	15	1	305	520	1500	5	250-275	187-205	E3
GRU28 & GBHE52.12 (XXL)	15	1	612	1044	1500	5	485-535	362-399	E3



BAUER CONNECT® REMOTE TELEMETRY AND CONTROL VIA MOBILE APP

BAUER CONNECT® is a patented app and internet based IoT solution that allows BAUER customers to remotely monitor the performance as well as control the entire BAUER system through any wireless mobile device or computer anywhere, anytime. The key features of this IoT solution, allow customers to increase efficiency and productivity, save time, do more with fewer resources, have lower operational costs and have total flexibility with a solution tailored specifically for them. BAUER CONNECT® – Connection that matters



BAUER REMOTE HMI

The BAUER Remote HMI function allows factory-trained technical personnel to remotely control the BAUER system via the BAUER CONNECT® App with the same functionality as if one were standing in front of the actual unit.

- › Live connection and control of all units no matter the location(s)
- › Save time and money with remote monitoring
- › Secure log-ins - Only approved team members can access and control your compressor system



MOBILE DASHBOARDS

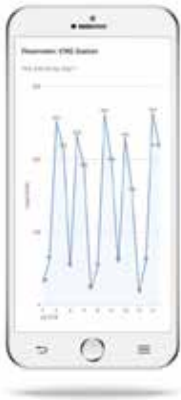
BAUER CONNECT® App will also display a real-time graphical display of the entire system (SCADA view). The Mobile Dashboard feature provides information such as compressor system status, error log, critical pressures and temperatures, and volume of air dispensed in storage information, etc.

- › Quick reference of all of your units at your fingertips
- › Does not require password validation every time app is used
- › Beneficial tool, that allows for monitoring without the ability to control the unit(s)
- › Dashboards can be customized to specific customer needs



NOTIFICATIONS

The BAUER CONNECT® Mobile App will send push notifications if certain critical parameters of the BAUER system fall outside of normal operating range or if triggered by a system alert. This assures that essential personnel is notified immediately, thus allowing for pro-active intervention in a situation that could potentially be detrimental to the BAUER system as well as the customer’s operation.



BAUER REPORTS

The BAUER Reports feature is a function that generates custom reports tailored to the specific needs of the customer. Customers can have access to historical data via a multitude of standard and customized reports.



BAUER PREDICTIVE ANALYTICS

This feature of BAUER CONNECT® provides a new pro-active dimension to perpetually maintaining customers’ compressor systems at peak conditions with minimum downtime. BAUER’s predictive analytics algorithm uses artificial intelligence to analyze the collected system information on the BAUER Cloud to predict upcoming maintenance requirements and preventative actions to avoid unplanned shutdowns.

LIFECYCLE PERFORMANCE

BAUER is committed to the lifecycle performance of its customers

PARTS

 OEM PARTS WARRANTY

 RAPID DELIVERY

QUALITY AND RELIABILITY

Our factory-original replacement parts assure you that when maintenance or repair is performed, you are restoring the unit to its original specifications and performance.

PARTS: COMPATIBILITY

We configure our designs with interchangeability and our end user in mind. You can count on parts being available for all BAUER models.

PartsSales@BauerComp.com or **1-(844)-500-5822**



7 PLUS, OVER 10,000 OEM PARTS

- | | |
|-----------------------------|-----------------------|
| 1. Purification | 5. Valves |
| 2. Gaskets and Seals | 6. Air Intake Filters |
| 3. Lubricants | 7. All 10,000+ Parts |
| 4. Fill Hose and Assemblies | |

TRAINING

 ON-SITE/OFF-SITE TRAINING

 FACTORY TRAINED TECHS

BAUER COMPRESSORS INC. offers a variety of on-site and off-site Training Schools. Our on-site classes are held at our BAUER Training Facility and are taught by the same people who help manufacture, test, and service our products. From electrical systems to hands-on breakdowns, we cover all areas of compressor operation.


TRAINING TOPICS


Basic mechanical theory and control system theory (electric and pneumatic), along with troubleshooting for all BAUER systems.

Class schedule and course registration at:
www.BauerCustomerTraining.com

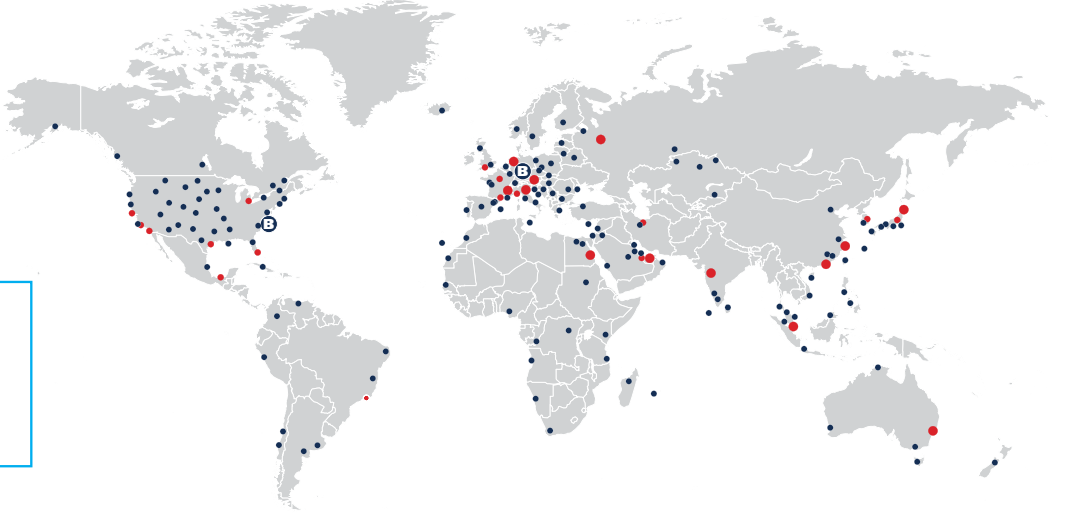


GLOBAL SERVICE

 GLOBAL SERVICE REACH

 FACTORY TRAINED TECHS

- BAUER Germany & BAUER Norfolk
- BAUER Branches
- BAUER Service Centers/Distributors



SERVICE AND SUPPORT

Our compressors are designed with you in mind. Easy-to-use manuals guide you through clear, mechanically-accessible repairs. Our worldwide distribution network was developed to assist in after-sales support, along with product and maintenance parts assistance.

FROM THE SOURCE

BAUER COMPRESSORS INC., is certified with **ISO 9001:2015** quality processes providing you with confidence that cannot be duplicated by sub-standard after-market parts and service.



BAUER HELPDESK

 24-7 PHONE TECH SUPPORT

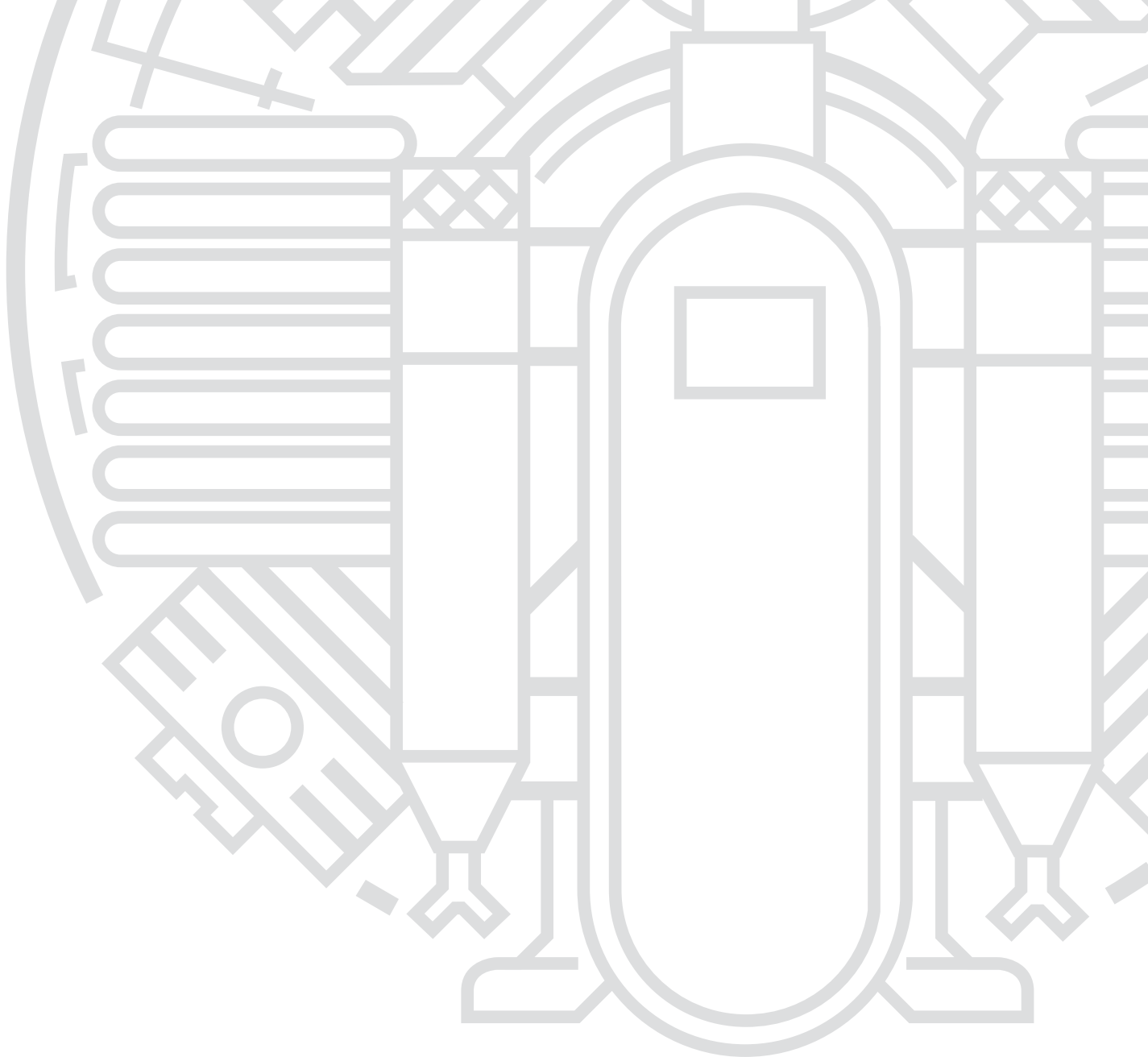
 LIFECYCLE PERFORMANCE

TRAINING TOPICS

Total customer satisfaction is our top priority. BAUER provides 24-7 phone tech and **troubleshooting** support at our BAUER Helpdesk. Our support continues throughout our warranty period and beyond.

>>> For BAUER Helpdesk please email:
CustomerService@BauerComp.com
or call at:
1-(844)-500-5822





FOR MORE INFORMATION PLEASE CONTACT:

Helium@BauerComp.com
www.BauerComp.com



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Subject to technical changes