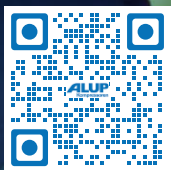


BECAUSE  
IMPROVEMENT  
NEVER  
STOPS



bstAIR 40  
AIR & NITROGEN BOOSTERS



Do you work with high-pressure air or nitrogen? Then the ALUP bstAIR 40 is your flexible, reliable booster solution. Just connect it to your compressed air system for a powerful 25- or 40-bar performance with a low Total Cost of Ownership. Two versions and a range of additional equipment and accessories are available to ensure your bstAIR 40 meets your individual requirements.



### OUTSTANDING PERFORMANCE

- More air with lower energy consumption.
- Designed for continuous operation.
- Can be used for air and nitrogen applications.

### PREMIUM RELIABILITY

- In-house designed booster pump.
- High-quality components.
- Built to perform in extreme conditions.
- Long service intervals.
- Low maintenance costs.

### A COMPLETE SOLUTION

- 25-bar and 40-bar models available.
- Standard (ST) version is a robust and reliable solution for industrial applications.
- Full Feature (FF) comes with integrated aftercooler to meet your quality air demands and with the Airlogic<sup>2</sup>T controller for advanced control, monitoring and connectivity.
- Range of additional equipment and accessories.



## THE BENEFITS OF A BOOSTER

Why use a compressor and a booster to generate high-pressure air or nitrogen? Because it is your most flexible and cost-efficient solution. All-in-one high-pressure compressors typically use more energy. In addition, you cannot use them for your standard compressed air applications. In a compressor + booster system, you can use your compressor for other purposes as well.



# THE VERSATILE **HIGH-PRESSURE AIR AND NITROGEN SOLUTION**

The bstAIR 40 is the ideal solution for a wide range of 25/40-bar applications:

- PET BOTTLE BLOWING
- LASER CUTTING
- PLASTICS FORMING
- PRESSURE TESTING



## A FLEXIBLE OFFER



### **STANDARD** | Strong performance

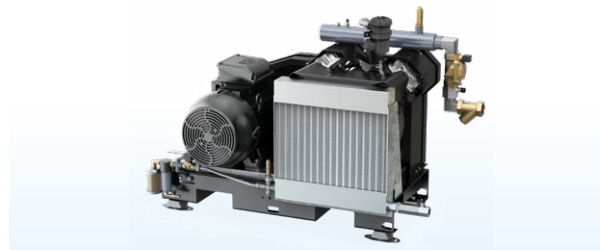
In-house designed booster pump delivers more air with lower energy consumption

100% duty cycle

Suitable for air and nitrogen applications

25-bar and 40-bar model for the best performance

Long service intervals and easy maintenance procedures reduce Total Cost of Ownership



### **FULL FEATURE** | Quality air & connectivity

In-house designed booster pump delivers more air with lower energy consumption

100% duty cycle

Suitable for air and nitrogen applications

25-bar and 40-bar model for the best performance

Long service intervals and easy maintenance procedures reduce Total Cost of Ownership

- + Full size, high-pressure aftercooler
- + Pressure and temperature sensors
- + Advanced Airlogic<sup>2</sup>T controller
- + ICONS connectivity
- + Multiple compressor control (option)



# NEXT-GENERATION BOOSTER ENGINEERING



## STRONG PERFORMANCE

- In-house designed and manufactured booster pump ensures high Free Air Delivery at a lower Specific Energy Requirement.
- Superior productivity thanks to continuous operation (100% duty cycle).
- New reed valves are customized for every model in the range for better performance with lower power consumption.
- IE3 motor with IP55 protection class optimizes energy efficiency and reliability.



## LOW TOTAL COST OF OWNERSHIP

- Best match for any application with a wide power range and two pressure variants.
- Full-size, high-pressure aftercooler reduces outlet temperature (FF).
- Integrated ICONS connectivity provides unique data insights and helps minimize operational costs (FF).
- Service parts are strategically placed to allow for quick and easy maintenance. Long maintenance intervals further reduce Total Cost of Ownership.



## SUPERIOR RELIABILITY

- Lubrication system with oil channels in the crankshaft provides excellent lubrication of all critical areas.
- Oil-level switch protects the pump and stops the machine in case the oil level drops below its minimum level.
- Integrated inlet particle filter reduces the risk of machine damage.
- Airlogic<sup>2</sup>T controller offers automatic monitoring of inlet and discharge pressure and temperature, precise regulation, and full insight into operational conditions (FF).





## COMPLETE CONTROL

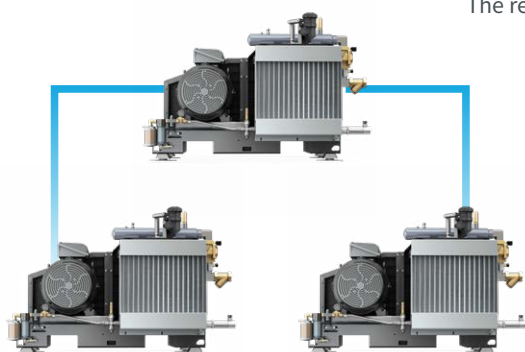
The bstAIR 40 FF comes with the state-of-the-art Airlogic<sup>2</sup>T touchscreen controller, giving you on-screen and remote insight into the performance of your booster:

- LARGE 4.3" FULL-COLOR TOUCHSCREEN DISPLAY
- 30+ LANGUAGES
- WARNING INDICATIONS AND SHUTDOWN ALARMS
- SERVICE STATUS AND SCHEDULE INDICATION
- ONLINE VISUALIZATION OF RUNNING CONDITIONS
- COMPRESSOR DATA ANALYSIS

## ENHANCE YOUR AIR SYSTEM PERFORMANCE WITH THE ECO6i

Are you operating multiple boosters? The bstAIR 40 can be optionally equipped with the **ECO6i** controller functionality to synchronize your different units. The result: a smooth running air system with a low Total Cost of Ownership.

### ECO6i



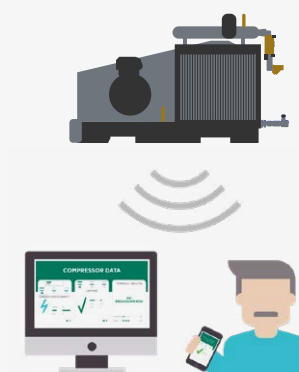
- Generate energy savings by narrowing the operating pressure band.
- Save on maintenance costs and equalize the running hours of your boosters.
- Monitor and control all boosters from one single touchscreen display.
- Optimize your boosters' performance by operating different control schemes.

## ICONS

### INCREASED UPTIME, POWERED BY ICONS

With the Intelligent CONnectivity System (ICONS), you get data and insights from your machines delivered to your computer, tablet or smartphone.

- Increase the reliability of your machine by identifying problems before they become a threat to the continuity of your production.
- Analyze and optimize your energy consumption and CO<sub>2</sub> emissions.
- Receive high-quality energy reports ensuring the ISO50001 compliance of your site.





## ONE SOURCE FOR ALL YOUR AIR NEEDS

ALUP stands ready to meet all of your compressed air needs: From our best-in-class ① compressors to ② air receiver buffer storage, ③ air dryers, ④ line filters, ⑤ oil-water separators, ⑥ boosters, ⑦ high-pressure air receivers, ⑧ high-pressure line filters, ⑨ our own easy-to-install AIRnet piping system, ⑩ and a central controller to manage the entire system.

## CUSTOMIZE YOUR bstAIR 40

Additional equipment and accessories are available to tailor your bstAIR 40 to your specific needs:

- TANKS 40 BAR
- HIGH-PRESSURE LINE FILTERS
- HIGH-PRESSURE CONDENSATE DRAINS
- ECO6I LICENSE

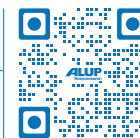


## SERVICE KITS

Keep your bstAIR 40 running smoothly with our handy Service Kits. The kits come with a quality guarantee and contain all the original parts you need to optimally service your booster. This will ensure continued reliable performance and a long lifetime for your bstAIR 40.

# TECHNICAL SPECIFICATI-

REQUEST  
YOUR  
QUOTATION! ←



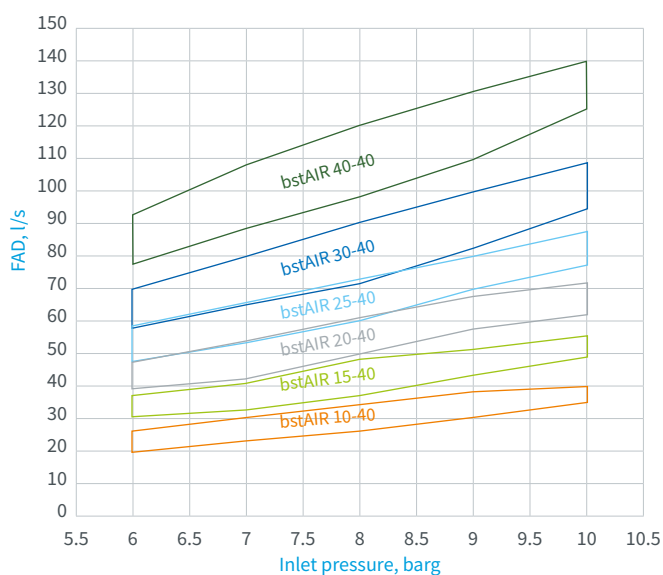
Model	Power		Max. inlet pressure		Max. discharge pressure		Free Air Delivery		Mass ST	Mass FF
	HP	kW	bar	psi	bar	psi	l/s	CFM	kg	kg
bstAIR 10-40	10	7.5	10	145	40	580	34.7	73.5	310	340
bstAIR 10-25			5	72	25	362	25.6	54.2		
bstAIR 15-40	15	11	10	145	40	580	48.5	102.8	350	380
bstAIR 15-25			5	72	25	362	37.0	78.5		
bstAIR 20-40	20	15	10	145	40	580	63.8	135.3	360	430
bstAIR 20-25			5	72	25	362	48.8	103.5		
bstAIR 25-40	25	18.5	10	145	40	580	77.5	164.2	390	460
bstAIR 25-25			5	72	25	362	65.1	137.8		
bstAIR 30-40	30	22	10	145	40	580	94.2	199.6	430	500
bstAIR 30-25			5	72	25	362	77.5	164.2		
bstAIR 40-40	40	30	10	145	40	580	124.8	264.6	480	550
bstAIR 40-25			5	72	25	362	102.8	217.8		

## DIMENSIONS

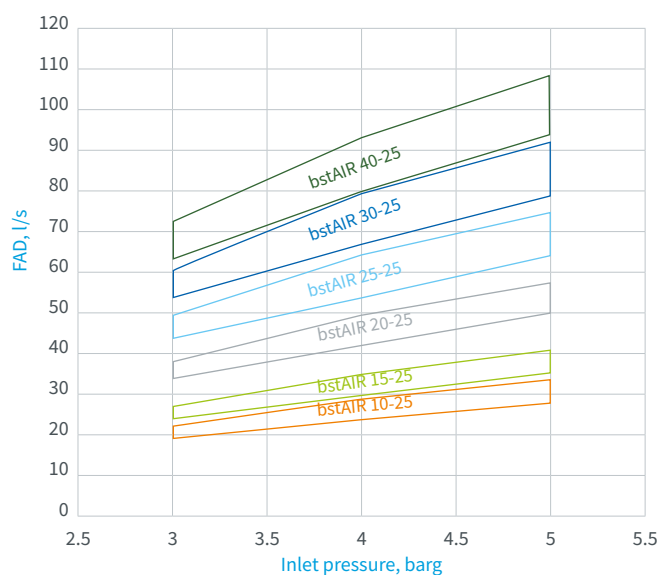
	Length	Width	Height
	mm	mm	mm
Standard (ST)	1533	740	1044
Full Feature (FF)	1533	751	1044

## PERFORMANCE

bstAIR 10-40



bstAIR 5-25





Contact your local ALUP Kompressoren representative



### Care

Care is what service is all about: professional service by knowledgeable people, using high-quality original parts.

### Trust

Trust is earned by delivering on our promises of reliable, uninterrupted performance and long equipment lifetime.

### Efficiency

Equipment efficiency is ensured by regular maintenance. Efficiency of the service organization is how Original Parts and Service make the difference.



[www.alup.com](http://www.alup.com)

**ALUP**  
Kompressoren