

Boost your productivity

A guide to our high-pressure booster range

Sustainable Productivity

Atlas Copco



Boost productivity. Maximize safety!

When we talk about boosters, we simply mean a compressor which enables you to step up the pressure of the primary compressor. Our boosters are focused on efficiency and work across multiple industries. When drilling, for example, they enable you to efficiently increase your drilling speed, reducing the cost per meter drilled and improving your overall profitability.

The greatly reduced size and weight of our booster packages ensure they are a productive, efficient choice. They were designed to be transported to your point of work – no matter how remote the location.

Another no compromise aspect of our booster portfolio is the extended safety features. We have built in safety mechanisms that go above and beyond just the legislative requirements. We have a speciality air team that will work to make the product that is right for you and perfect for every application.



Seismic survey



Exploration drilling



Geothermal drilling

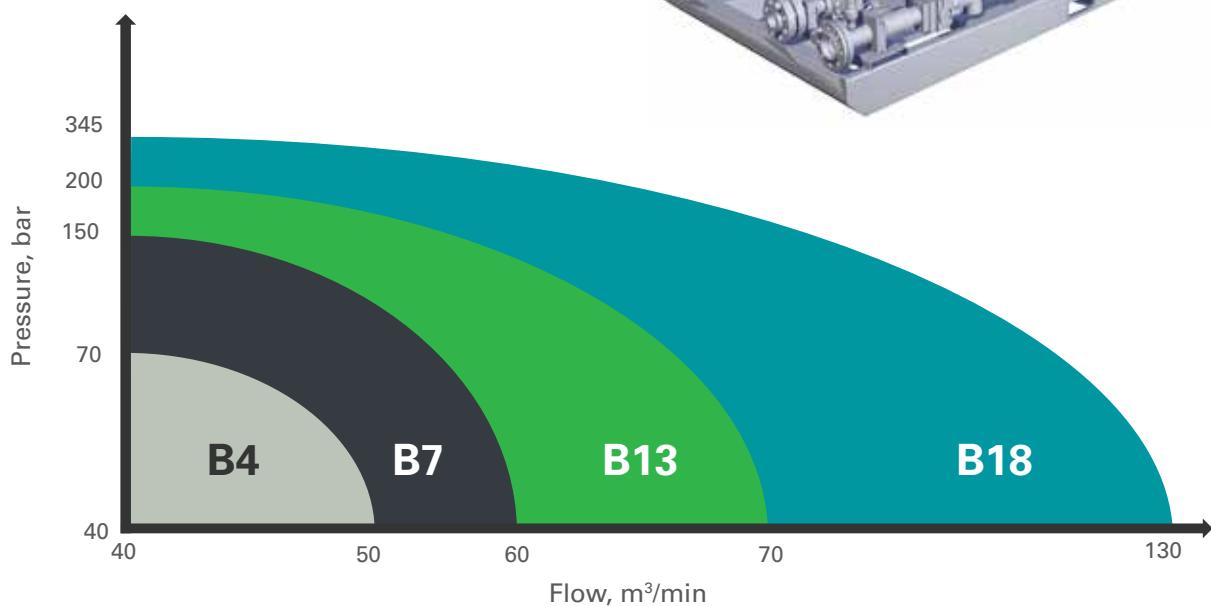
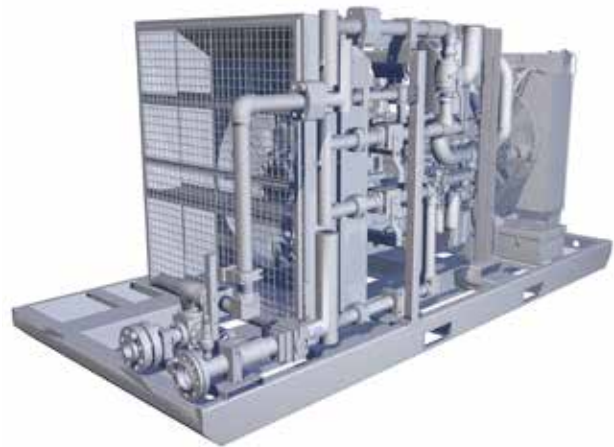


Pipeline services

*When working at high-pressure in tough conditions –
let our boosters be your productivity partner.*

Introducing our booster range

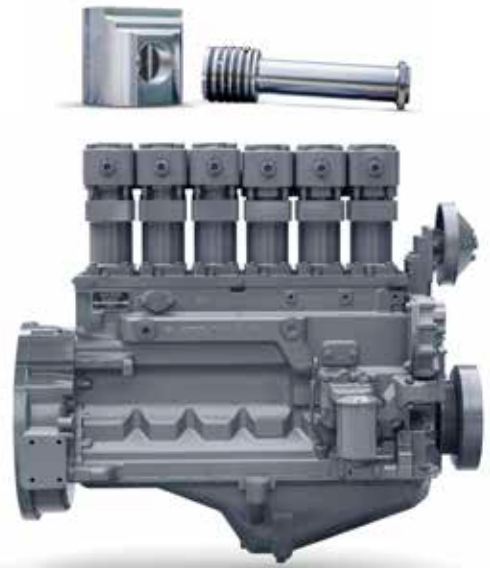
- ▶ Our booster portfolio consists of a standard range and a specialty range.
- ▶ Our custom engineered specialty range covers your exact requirements. We can modify cylinder diameters and compression ratios, along with many other features.
- ▶ Due to the unique cylinder design, maintenance of all valves will take less than four hours.
- ▶ With our controller, performance management can be done on either flow or pressure control. Additionally, all boosters come with Dynamic Flow Boost functionality.
- ▶ Multi-stage boosters can be switched from two stage mode to single stage mode, increasing flow by up to 40%.
- ▶ The standard booster range is from 69 bar up to 345 bar, with a flow range of 37 m³/min to 127 m³/min @ 25 bar inlet pressure.
- ▶ Our customized range, with an inlet pressure of 35 bar can increase productivity by up to 30%, or downsize your booster depending on your requirements.



Advanced features

Pumper block

- ▶ The in-house designed pumper block is the heartbeat of our booster package.
- ▶ It packs a punch in a small package and is the reason we can produce boosters with a greatly reduced footprint.
- ▶ The pumper block integrates into the booster using quick release 'half-moon' couplings, enabling it to be easily detached for service work.
- ▶ We offer a four or six cylinder pumper block, depending on the booster chosen and compression stages needed.
- ▶ We provide complete service kits that are available for 250, 500 and 1000 hours.



BC4003 control panel

- ▶ The BC 4003 controller is the brain of the booster, connecting you fully to your customized package.
- ▶ This simple, fully digital display replaces the conventional 'cock pit' style controllers.
- ▶ In addition, we have integrated two gauges for constant, easy monitoring of pressure.
- ▶ You can set the controller with a designated rpm as well as pressure.
- ▶ The panel features an audible, visual alarm warning and emergency stop.



Controller warning notifications include:

- ▶ Low fuel level
- ▶ Low engine oil pressure
- ▶ High engine or oil temperature
- ▶ High engine speed
- ▶ High discharge air temperature
- ▶ High liquid level in the scrubber tank
- ▶ Engine alternator fault



The booster package



Water separator with level switch (one individual separator per stage) and metal braided airline hoses as standard.



Centralized drain point for all fluids.



Complete integrated cooler package with pre-cooler, inter-stage cooler and after cooler as standard on all models.



Bypass pressure regulating system allows you to connect the primary compressor to the pipeline before activating the booster.



Automatic load/unload valve.



Battery cut off switch and fully integrated battery protection compartment.

Additional features:

- ▶ Lifting beam and integrated forklift slots to enable easy movement
- ▶ On-board fuel tank with full shift fuel autonomy (depending on model and usage)
- ▶ Discharge air temperature gauge in each cylinder

Technical data overview

Model	Engine Specification	Engine power kw	Compression stages	Inlet		Flow (per stage)		Outlet (per stage)	
				psi	bar	cfm	m ³ /min	psi	bar
BOOSTER B4-41/1000	Cummins Tier 3 or T4 Final	113	1	350	24	1400	40	1000	69
BOOSTER B7-41/1000	CAT Tier 3 or T4 Final	186	1	350	24	2160	61	1000	69
BOOSTER B7-42/2175	CAT Tier 3 or T4 Final	205	2*	350	24	1800 or 1288	51 or 37	1000 or 2175	69 or 150
BOOSTER B9-64/5000	CAT Tier 3	261	4	320	22	750	21	5000	345
BOOSTER B13-62/2175	CAT Tier 3 or T4 Final	328	2*	350	24	2550 or 1800	72 or 51	1000 or 2175	69 or 150
BOOSTER B13-63/5000	CAT Tier 3	328	3	320	22	1060	30	5000	345
BOOSTER B18-62/2175	CAT Tier 3 or T4 Final	470	2*	350	24	3600 or 2700	102 or 76	1000 or 2175	69 or 150
BOOSTER B18-63/3000	CAT Tier 3	470	3	320	22	1900	54	3000	207
BOOSTER B18TT-62/2175	CAT Tier 2,3, or T4 final	563	2*	350	24	4100 or 3000	116 or 85	1000 or 2175	69 or 150
BOOSTER B18TT-63/5000	CAT Tier 2,3, or T4 final	563	3	350	24	1870	53	5000	345
Booster B18TT-62/3000**	CAT Tier 2,3, or T4 final	563	2	500	35	3032 or 4497	86 or 127	1450 or 3000	100 or 207

Engine choice available will depend on the region of the world where the machine is being installed.

* All two stages machines can also be run single stage.

**This is a full option booster in a container.

Weights and dimensions	Length cm	Width cm	Height cm	Weight kg
BOOSTER B4-41/1000	248	178	178	2750
BOOSTER B7-41/1000	353	194	178	3100
BOOSTER B7-42/2175*	353	194	206	3850
BOOSTER B9-64/5000	480	220	226	5900
BOOSTER B13-62/2175*	480	220	226	6350
BOOSTER B13-63/5000	480	220	226	6800
BOOSTER B18-62/2175*	549	221	221	8350
BOOSTER B18-63/3000	549	221	221	8800
BOOSTER B18TT-62/2175*	549	221	221	8350
BOOSTER B18TT-63/5000	549	221	221	8800
Booster B18TT-62/3000**	610	244	259	15000

Please ask a representative for a full data sheet, customized to your needs.

You buy much more than just a booster

- Adjustable capacity through digital setting of pressure and flow control
- Automatic load/unload valves
- Dynamic Flow Boost

Flexibility and versatility



- Up to 30% higher flow with 35 bar inlet pressure
- Up to 40% increase in capacity when switching to a single stage operation

High productivity



- Made to match flow and pressure with application requirements by cylinder configuration
- Designed to work in perfect harmony with Atlas Copco air compressors
- Engineered in our Global Competency Center

Tailored for your application



- Unique pumper block concept allows complete maintenance, including valve replacement, to be completed within four hours
- Service and support in 180 countries with hundreds of boosters working in the field

Service



Portable Energy Solutions Portfolio

AIR COMPRESSORS

READY TO GO

- 1-5 m³/min
- 7-12 bar



VERSATILITY

- 5,5-22 m³/min
- 7-20 bar



PRODUCTIVITY PARTNER

- 19-116 m³/min
- 10-345 bar



Diesel and electric options available

GENERATORS

PORTABLE

- 1,6-13,9 kVA



MOBILE

- 9-1250* kVA



INDUSTRIAL

- 10-1250* kVA



*Multiple configurations available to produce power for any size application

DEWATERING PUMPS

ELECTRIC SUBMERSIBLE

- 250-16.500 l/min



CENTRIFUGAL

- 833-23.300 l/min



SMALL PORTABLE

- 210-2500 l/min



Diesel and electric options available

LIGHT TOWERS

LED



METAL HALIDE



ELECTRIC



Committed to sustainable productivity

Atlas Copco's Portable Energy division has a forward-thinking philosophy. For us, creating customer value is all about anticipating and exceeding your future needs – while never compromising our environmental principles. Looking ahead and staying ahead is the only way we can ensure we are your long term partner.

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