Boost your productivity

A guide to our high-pressure booster range.
Boost productivity. Maximize safety!

When we talk about boosters, we simply mean a compressor which enables you to step up the pressure of the feed 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.

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 complete standard range covering a wide range of applications.

• Due to the unique cylinder design, maintenance of all valves will take less than four hours.

• As we start from standard diesel engines as pumper block no special tools are needed for maintenance.

• With our new Xc4004 Smart Air controller, performance management can be done on either flow or pressure control by one press of a button.

• All our 2-stage boosters can be switched from two stage mode to single stage mode, increasing flow by up to 40% and giving customers the ultimate flexibility to assist more applications with 1 booster.

• 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.

Our complete booster offer
Stop compressing air – start controlling it!

**Smart Air Xc4004 controller**

The Smart Air Xc4004 controller features the latest innovations. We believe a controller should put you in complete control, while being intuitive, and most importantly easy to use and navigate. Smart controls also protect your investment: improve your efficiency while decreasing the operating costs of your equipment through advanced insights.

**Advanced features:**

- **Smart user interface with key parameters at first sight.**
- **Mirror application for remote control.**
- **Audible, clear warning system for any deviations.**
- **Robust design which resists water and dust (IP67 rated).**
- **Takes efficiency, control and connectivity to the next level.**

**Easy to use interface**

- 7 inch anti-glare LED screen.
- Simultaneous view of pressure and flow increase control on the output flow required by your application.
- Visible fuel and add blue levels as well as running hours avoid unnecessary downtime.
- Personalised interaction through metrics and language settings.

**Save time through remote controlling**

- Mirror application: control feed air compressor through second controller at point of use.
- All machine parameters remotely adjustable: ECO-mode, Dynamic Flow Boost, multi pressure / flow settings, emergency stop.
- Hard wired or RRC radio remote connection.

**Powerfull insights increase uptime**

- Easy access to trends of 15 parameters.
- Increase uptime through preventive maintenance.
The booster package

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

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

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

Centralized drain point for all fluids.

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine Specification</th>
<th>Engine power kw</th>
<th>Compression stages</th>
<th>Inlet pressure psi/bar</th>
<th>cfm</th>
<th>m³/min</th>
<th>Outlet performance psi/bar</th>
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</thead>
<tbody>
<tr>
<td>B4-41/1000</td>
<td>Cummins QSB4.5 T3/G3</td>
<td>113</td>
<td>1</td>
<td>350/24</td>
<td>24</td>
<td>1350</td>
<td>38/1000/69</td>
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<tr>
<td>B7-41/1000</td>
<td>CAT C7.1 T3/G3</td>
<td>205</td>
<td>1</td>
<td>350/24</td>
<td>24</td>
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<td>61/1000/69</td>
</tr>
<tr>
<td>B7-42/2175</td>
<td>CAT C7.1 T3/G3</td>
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<td>2</td>
<td>350/24</td>
<td>24</td>
<td>1800/1250</td>
<td>50/36/1000/2175</td>
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<tr>
<td>B18-62/2175</td>
<td>CAT C18T T2</td>
<td>563</td>
<td>2*</td>
<td>350/24</td>
<td>24</td>
<td>4300/3100</td>
<td>122/87/1000/2175</td>
</tr>
</tbody>
</table>

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.

Weights and dimensions:

<table>
<thead>
<tr>
<th>Model</th>
<th>Length (cm)</th>
<th>Width (cm)</th>
<th>Height (cm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>178</td>
<td>178</td>
<td>2750</td>
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<td>B7-41/1000</td>
<td>353</td>
<td>194</td>
<td>178</td>
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<td>194</td>
<td>206</td>
<td>3850</td>
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<td>480</td>
<td>220</td>
<td>226</td>
<td>6000</td>
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<td>244</td>
<td>259</td>
<td>8800</td>
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</tbody>
</table>

Please ask a representative for a full data sheet, customized to your needs.
You buy much more than just a booster

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

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

**Tailored for your application**
- 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

**Service**
- 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
Power Technique Solutions Portfolio

Atlas Copco’s Power Technique Business Area 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.

Air compressors

**Ready to go**
- 1-5 m³/min
- 7-12 bar

**Versatility**
- 5.5-22 m³/min
- 7-20 bar
  *Diesel and electric options available

**Productivity partner**
- 19-116 m³/min
- 10-345 bar

Handheld tools

**Pneumatic tools**
- Breakers (2.5 – 40 kg)
- Rockdrills (5 – 25 kg)
- Underground Rockdrills
- Additional Air Tools

**Hydraulic tools**
- Breakers (11 – 40 kg)
- Additional Hydraulic Tools
- Powerpacks

**Petrol engine driven tools**
- Breakers & Tie Tampers (25 kg)
- Combi Drills (23 Kg)

Generators

- Portable
- Mobile
- Industrial
  *Multiple configurations available to produce power for any size application

Light towers

- Diesel LED and MH
- Electric LED
- Battery LED

Dewatering pumps

- Submersible
- Surface
- Small portable
  *Diesel and electric options available

Photos and illustrations contained herein might depict products with optional and/or extra components which are not included with the standard version of the product and, therefore, are not included in a purchase of such product unless the customer specifically purchases such optional/extra components. We reserve the right to change the specifications and design of products described in this literature without notice. Not all products are available in all markets.