

# Air or Nitrogen Hurricane Boosters



**Models:** B6-41  
B7-42  
B7-43  
B7-44



**Hurricane boosters are second-to-none. They are smaller, lighter and still pack as much power as the larger and heavier comparable units available in the marketplace today.**

Our quality control and turnkey manufacturing process guarantee excellence, while superior engineering and design help drive custom solutions for our customers. Every feature that is built into our boosters shows you the experience, the power, the quality...*the Hurricane difference.*

Over 40 years of experience has taught us to maximize every component. Like all of our boosters, this unit provides you with a better penetration rate, cooler bit temperatures and longer bit life.

Typical applications include: mineral exploration and blasthole drilling, water well and geothermal drilling, oil and gas air/foam drilling, nitrogen generation, and pipeline services.

*Sustainable Productivity*

**Atlas Copco**

## Specifications

Booster	B6-41/1000	B7-42/2175	B7-43/3000	B7-43/4000	B7-44/5000
Booster type	Model 276 4 cylinders, reciprocating				
Drive engine	Cummins QSB 6.7 270 bhp @ 1800 rpm	Caterpillar C7 250 bhp @ 1800 rpm			
Booster stages	1	2	3		4
Max suction pressure (psi / bar)	350 / 24		150 / 10	350 / 24	261/18
Max discharge pressure (psi / bar)	1000 / 69	2175 / 150	3000 / 207	4000 / 276	5000 / 345
Capacity at max suction pressure (cfm / m <sup>3</sup> /min)	2440 / 69	1288 / 37	500 / 14	750 / 21	530 / 15
Booster oil capacity (gal / l)	2.25 / 9				
Engine oil capacity (gal / l)	7.50 / 28				
Fuel tank capacity (gal / l)	85 / 321	N/A			85 / 321
Max operating ambient temperature (°F / °C)	125 / 52				
Wet weight (lb / kg)	7,870 / 3,570	8,480 / 3,846	9,600 / 4,355		11,000 / 4,999
Overall dimensions, L x W x H (in / cm)	106 x 71 x 85 / 269 x 180 x 216	126 x 84 x 93 / 320 x 213 x 236	153 x 85 x 89 / 389 x 216 x 226		158 x 80 x 90 / 401 x 203 x 229
Suction connection	3" npt	2" npt			
Discharge connection	2" npt	1" npt			

## Standard Features

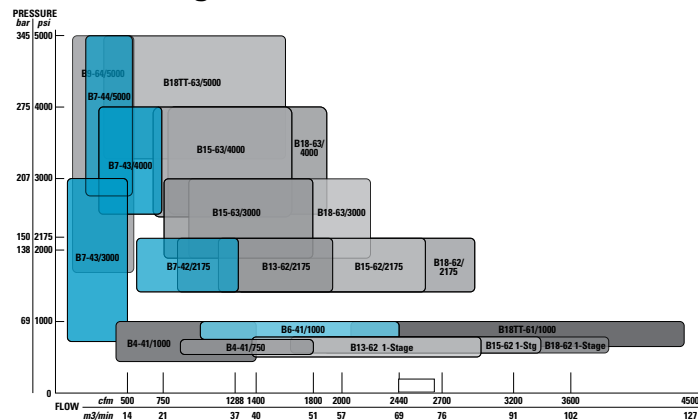
- Automatic load/unload system
- Booster bypass manifold (single and 2-stage only)
- Engine speed adjustment
- Double acting concentric valves
- Watercooled booster block and valves
- Precooler (a+15°F / 8°C) & suction scrubber tank
- Aftercooler (a+50°F / 28°C)
- Open skid with four point lifting
- 24 volt DC starting and operating system
- Suction, interstage and discharge safety relief valves
- Full function instrument panel monitoring all pressures, temperatures and controls with full protection shutdown and fault indicators

## Options

- Automatic scrubber tank drain
- Cold weather kit (-20°F/-29°C)
- Manual louvers in front of coolers
- Low pressure switch at booster inlet
- Lights for operation at night
- Weatherproof container
- Trailer
- Spark arrestor
- Overspeed shutdown
- Air starter
- Staging valves on the 2-stage models
- Service pack 250 hrs / 500 hrs / 1000 hrs / 2000 hrs
- Valve kits and piston kits

Other options, pressures, capacities: available on request

## Booster Range



**Atlas Copco**

Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.

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