

Air or Nitrogen Hurricane Boosters



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



(shown with optional protection frame)

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	B7-42/2175	B7-43/4000	B7-44/5000
Booster type	Model 276 4 cylinders, reciprocating		
Drive engine	Caterpillar C7 275 bhp @ 1800 rpm	Caterpillar C7 250 bhp @ 1800 rpm	
Booster stages	2	3	4
Max suction pressure (psi / bar)	350 / 24	320 / 22	261/18
Max discharge pressure (psi / bar)	2-stage: 2175 / 150 1-stage: 800 / 55	4000 / 276	5000 / 345
Capacity at max suction pressure (cfm/m3/min)	2-stage: 1288 / 37 1-stage: 1600 / 45	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		
Max operating ambient temperature (°F / °C)	125 / 52		
Wet weight (lb / kg)	8,480 / 3,846	9,600 / 4,355	11,000 / 4,999
Overall dimensions, L x W x H (in / cm)	150 x 85 x 89 / 381 x 216 x 226	153 x 85 x 90 / 389 x 216 x 229	158 x 80 x 90 / 401 x 203 x 229
Suction connection	3" npt	2" npt	3" npt
Discharge connection	1 1/2" npt	1" npt	1" npt

Standard Features

- Automatic load/unload system
- On board fuel tank
- Booster bypass manifold (single and 2-stage only)
- Engine speed adjustment
- Double acting concentric valves
- Watercooled booster block
- Precooler (a+15°F / 8°C) & suction scrubber tank
- Aftercooler (a+50°F / 28°C)
- Low pressure switch at booster inlet
- Open skid with fork lift pockets
- 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

- Digital control panel
- Automatic scrubber drain valve
- Cold weather kit (containerized units only)
- Manual louvers in front of coolers
- Airstarter
- Spark arrestor
- Overspeed shutdown valve
- Inlet particle filter
- Lights for night operation
- Service packs 250/500 hours
- Valve and piston kits

Containerized and rig safe models as well as other options, capacities and pressures are available upon request.



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

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