



BOOSTER MODEL 1809

Like the 1310, the 1809 Booster is an integral engine booster, 4 Cylinders drive and 4 boost. This booster can take 1800cfm from e.g. from 2 x 900/350 feed compressors. For applications requiring high volume and high pressure, you won't find a more reliable compact booster. It loves to work all day every day.

For the past three decades, Air Research Compressors have been building and supplying booster compressors to both the mining and drilling industries to increase depth capacity with faster penetration rates, longer bit life and greater efficiency.

Applications for our Boosters include mineral exploration and blast hole drilling, water well and geothermal drilling, oil and gas air/foam drilling, and pipeline services.

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Standard Features

- On board fuel tank
- Booster bypass manifold(single stage)
- Two-way concentric valves
- Automatic scrubber tank drain valve
- Over speed shutdown valve
- Inlet particle filter
- Water cooled booster block
- Pre-cooler bypass system
- Inlet suction manifold
- Discharge temperature sensor
- Pre-cooler (40°C) & suction scrubber tank
- Aftercooler (100°C) max operating temperature
- Low pressure switch at booster inlet
- Open skid with fork lift slots
- 24 volt DC starting and operating system
- Suction and discharge safety relief valves
- Full function digital instrument panel monitoring all pressures, temperatures and controls with full protection shutdown and fault indicators

Options

- Fully clad with roof
- Top lift feature
- Engine speed adjustment
- Achievement of exit temperature bogies
- Extreme cold weather start kit
- Spark arrestor
- Lights for night operation
- Trailer mounted unit
- Service packs 250/500/1000/2000 hours
- Valve and piston kits
- Other options, pressures, capacities: available on request

Specifications

Booster type	4 cylinders, reciprocating
Configuration	INTEGRAL
Model	ARC 1809 8V92T
Drive engine	Detroit Diesel - 8V92T
Power	210bhp@1800 rpm
Booster stages	1
Max suction pressure (psi / bar)	350 / 24
Max discharge pressure (psi / bar)	900 / 62
Capacity at maximum suction pressure (cfm / m3/min / l/sec)	1800 / 51 / 850
Booster oil capacity (gal / l)	See Engine
Engine oil capacity (gal / l)	6.6 / 25
Fuel tank capacity (gal / l)	105.7 / 400
Max operating ambient temp. (°F / °C)	125 / 52
Wet weight (lb / kg) - (approximate)	6173 / 2800
Overall dimensions, L x W x H (in / mm)	6'3" x 4'11" x 6'9" / 1900 x 1500 x 2050
Suction connection	50mm (2") BSP
Discharge connection	40mm (1 1/2") BSP



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