



BOOSTER MODEL 1307

The 1307 Booster is the most compact booster in our fleet. It is the smallest booster capable of 1000 psi in its class. It can be integrated into a rig or form part of your auxiliary air/boost package. Either way, pound for pound the ARC 1307 will not be outperformed and will surely become an indispensable part of the operation.

Air Research Compressor Boosters are the best, single stage air compressor boosters in the marketplace today. They are smaller and lighter than any competing machine, while still providing as much power and more output pressure than our competitors.

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
- 12 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

- 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	3 cylinders, reciprocating
Configuration	INTEGRAL
Model	ARC 1307 6V92T
Drive engine	Detroit Diesel - 6V92T
Power	120bhp@1800 rpm
Booster stages	1
Max suction pressure (psi / bar)	350 / 24
Max discharge pressure (psi / bar)	750 / 52
Capacity at maximum suction pressure (cfm / m3/min / l/sec)	1300 / 37 / 614
Booster oil capacity (gal / l)	See Engine
Engine oil capacity (gal / l)	5 / 19
Fuel tank capacity (gal / l)	68.7 / 260
Max operating ambient temp. (°F / °C)	125 / 52
Wet weight (lb / kg) - (approximate)	4982 / 2260
Overall dimensions, L x W x H (in / mm)	7'7" x 3'11" x 7'1" / 2300 x W 1200 x H 2150
Suction connection	50mm (2") BSP
Discharge connection	40mm (1 1/2") BSP



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