



BOOSTER MODEL 2014 CAT C9

Developed for oil and gas pipeline testing markets. This model takes in 2000cfm from 2 feed compressors at 450psi. With its massive coolers and fans, it boosts to 1400psi while keeping the exit air temperature under 50°C. As with all ARC machines, this booster can be tailored a to customers specific requirements.

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

- Canopy clad mounted to base assembly – fork lifted
- On board fuel tank
- Booster bypass manifold
- Two-way concentric valves
- Automatic scrubber drain valve
- Over speed shut down valve
- Inlet particle filter
- Water cooled booster block
- Pre-cooler bypass system
- Dual inlet suction manifold
- Discharge temperature sensor
- Pre-cooler (30°C) & suction scrubber tank
- Aftercooler (60°C) max operating temperature
- Low pressure switch at booster inlet
- 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
- Reduced air exit temperatures

Specifications

Booster type	6 cylinders, reciprocating
Configuration	COUPLED
Model	ARC 2214 6V92
Drive engine	CAT C9
Power	350 bhp @1800 rpm
Booster stages	1
Max suction pressure (psi / bar)	450 / 31
Max discharge pressure (psi / bar)	1400 / 96.5
Capacity at maximum suction pressure (cfm / m3/min / l/sec)	2000 / 57 / 944
Booster oil capacity (gal / l)	5.3 / 20
Engine oil capacity (gal / l)	8.5 / 32
Fuel tank capacity (gal / l)	171.7 / 650
Max operating ambient temp. (°F / °C)	125 / 52
Wet weight (lb / kg) - (approximate)	10692 / 4850
Overall dimensions, L x W x H (in / mm)	9'10" x 6'11" x 7'6" / 3000 x 2100 x 2300
Suction connection	50mm (2") BSP
Discharge connection	50mm (2") BSP

Options

- Open frame configuration.
 - Top Lift feature
 - Extreme cold weather start kit
 - Trailer mounted unit
 - Lights for night operation
 - Spark arrestor
 - Engine speed adjustment
 - Insulation package to canopy
 - Service packs 250/500/1000/2000 hours
Valve and piston kits
- Other options, pressures, capacities:
available on request



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