



BOOSTER MODEL 1310 Coupled

Developed for entry into Tier 3 and now Tier 4 emission restriction zones, specifically USA and Canada. We offer a choice of drive engines including options from CAT, Deutz Cummins & John Deere. Custom packaging and options are available including electric drive, for underground applications.

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.

BOOSTER MODEL 1310 COUPLED

Standard Features

- On board fuel tank
- Booster bypass manifold
- 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	3 cylinders, reciprocating
Configuration	COUPLED
Model	ARC 1310 3S71 C7
Drive engine	Caterpillar C7 ACERT Tier 3
Power	225 bhp @ 1800 rpm
Booster stages	1
Max suction pressure (psi / bar)	350 / 24
Max discharge pressure (psi / bar)	1000 / 69
Capacity at maximum suction pressure (cfm / m3/min / l/sec)	1300 / 37 / 614
Booster oil capacity (gal / l)	3.3 / 12.5
Engine oil capacity (gal / l)	4.8 / 18
Fuel tank capacity (gal / l)	169 / 640
Max operating ambient temp. (°F / °C)	125 / 52
Wet weight (lb / kg) - (approximate)	8466 / 3840
Overall dimensions, L x W x H (in / mm)	9'4" x 6'11" x 8'3" / 2850 x 2100 x 2520
Suction connection	50mm (2") BSP
Discharge connection	40mm (1 1/2") BSP



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