



BOOSTER MODEL 2710 MV8

This is perhaps the best large coupled machine we manufacture. Using a V8 drive engine from Mercedes with variable rev settings this machine has enough grunt to take volumes from 1200cfm up to 2700cfm (or 1,2 or 3 feed compressors!). Beautifully balanced and powerful enough for the most demanding 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.

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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 (40°C) & suction scrubber tank
- Aftercooler (100°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

Options

- Open frame configuration.
- Top Lift feature
- Extreme cold weather start kit
- Achievement of exit temperature bogies
- 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

Specifications

Booster type	6 cylinders, reciprocating
Configuration	COUPLED
Model	ARC 2710 6V92
Drive engine	Mercedes V8-502
Power	563bhp@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)	2700 / 77 / 1274
Booster oil capacity (gal / l)	5.3 / 20
Engine oil capacity (gal / l)	10 / 38
Fuel tank capacity (gal / l)	171.7 / 650
Max operating ambient temp. (°F / °C)	125 / 52
Wet weight (lb / kg) - (approximate)	11354 / 5150
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



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