



BOOSTER MODEL 3610 MTU V8

Model 3610 uses the V8 booster block coupled to a powerful MTU V8 drive engine. When the job calls for very high volume and high pressure - This one unit can replace 2 or smaller boosters. All of our boosters are fully customisable to meet certain needs and 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 (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	8 cylinders, reciprocating
Configuration	COUPLED
Model	ARC 3610 8V92
Drive engine	MTU DETROIT DIESEL 60V
Power	550bhp @ 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)	3600 / 102 / 1699
Booster oil capacity (gal / l)	6.6 / 25
Engine oil capacity (gal / l)	9.5 / 36
Fuel tank capacity (gal / l)	185 / 700
Max operating ambient temp. (°F / °C)	125 / 52
Wet weight (lb / kg) - (approximate)	11464 / 5200
Overall dimensions, L x W x H (in / mm)	11'6" x 6'11" x 8'4" / 3500 x 2100 x 2540
Suction connection	50mm (2") BSP
Discharge connection	50mm (2") BSP



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