

SPECIFICATION

Compressor

Compressor type.....	Horizontally opposed, balanced reciprocating, lubricated type w/distance piece & vented crankcase.
Maker/Model.....	Ariel - Frame Type JGQ/2-3
Capacity @ rated psig induction.....	321 scfm @ 168 psig (11.5 Bar)
Induction Pressure Range.....	168 psig (11.5 Bar)
Maximum Delivery Pressure.....	4545 psig
Speed.....	1800 rpm
Stroke.....	3.00 inches
Number of Stages.....	3
Number of Cylinders.....	3
Pressure Relief Valves.....	Per stage on the discharge piping
Oil Sump Capacity.....	10 Gallons
Oil.....	Amsoil ISO100SAE40 SYNTH
Drive Method.....	Direct-drive though rigid coupling
Compressor Lubrication	
Crankcase.....	Pressurized lube with pump & remote cooler
Force Feed Injector Pump.....	Included on compressor-Chain drive

Driver

Prime Mover.....	Natural Gas Engine
Maker / Model.....	Cummins G8.3
Engine Specification	
Configuration.....	(In-line 6 Cylinder, 4-Stroke-Cycle)
Bore.....	4.49 inch (114 mm)
Stoke.....	5.32 inch (135mm)
Displacement.....	505 cu inch (8.3L)
Compression Ratio.....	(10.5:1)
Aspiration.....	(Naturally Aspirated)
Horsepower.....	(118 bhp)
Speed.....	(1800 rpm)
Motor starter Method.....	(Gas Starter)
Ignition System.....	(Altronic III Shielded Ignition)
Lube Oil Capacity.....	6.5Gal (32.0 L)

SPECIFICATION (Cont.)

Package

Dimensions

Length 18 feet 0 inch (5.5m)
Width 8 feet 03 inch (2.5m)
Height 8 feet 11 inch (2.7m)

Ambient Temperature Range -10 to 110 deg. F

Gas Cooling

Method Forced air utilizing 54 inch fan
Inter-stage Cooling Yes
After Cooling Yes

Gas Filtration

Particulate Filters Yes – Inlet filtration
Coalescing Filters Yes – Inter-stage and discharge
filtration

Captive Recovery Tank Provided - To allow periodic
unloading of each compressor
stage and to allow unloaded
re-start