



ACEC NPU-2250-350 Trailer Mounted NPU (Nitrogen Production Unit)



Specifications

Trailer:	Great Dane or Doonan 53' x 102" drop-deck trailer with hydraulic leveling legs, total weight is approximately 58,000#
Air Compressor:	Sullair two-stage rotary screw, oil-flooded, high pressure air end, providing up to 1,500 SCFM and 350 PSIG
Air Compressor Engine:	Caterpillar C-18: 6-cylinder, 4-cycle, 18-liter, EPA Tier III electronically controlled diesel engine rated at 700HP at 1,800 RPM, equipped with a spark arresting muffler Detroit Series 60: 6-cylinder, 4-cycle, 14-liter, EPA Tier II electronically controlled diesel engine rated at 665HP at 2,100 RPM, equipped with a spark arresting muffler
Cooling System:	Designed to provide engines with adequate cooling up to 115° ambient temperature
Nitrogen Unit:	Manufactured by Air Liquide using high efficiency membrane technology, modules are designed to deliver 90-99.99% nitrogen purity continuous at 500PSIG
Nitrogen Unit PLC:	Siemens PLC Controller to provide instant, real-time readout of volume, capacity, purity, and percentage of O ₂ left in the gas stream, target nitrogen purity is 95% or 5% O ₂ left in the gas stream (1,500 PSI down-hole with methane present, 8.5% of O ₂ in the gas stream is required for ignition/fire)
Purity Control:	Purity control valve is automated once purity level is set, purity control valve will take over the complete regulation of O ₂ left in the gas stream
Fuel Tank:	(1) 1,500 gallon, rectangular, closed-top fuel tank providing up to 24 hours of operation without the need to refuel
Manifold:	2" Schedule-80 discharge manifold including 2" orifice, 2" blow down vent lines, and bypass/discharge check valves



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