



ACEC NPU-675-500 Trailer Mounted NPU (Nitrogen Production Unit)



Specifications

Trailer:	Lufkin or Great Dane 45' 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 1,350 SCFM and 500 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 manifold with 1" orifice with blow down vent lines, bypass and discharge check valves



Air Compressor Equipment Co.

3401 Kelley Highway
Fort Smith, AR 72904
(479) 783-6181

www.acec-ark.com





ACEC NPU-675-500 Trailer Mounted NPU (Nitrogen Production Unit)



N2 Unit Capacity Chart

N2 Trailer Specifications			
Nitrogen Purity	Pressure (psig)	Flow (scfm)	Modules
95%	490	675	8
96%	490	600	8
97%	490	500	8
98%	490	450	8
99%	490	400	8

N2 & Foam Unit Specifications			
Nitrogen Purity	Pressure (psig)	Flow (scfm)	Modules
95%	2500	1350	16
96%	2500	1200	16
97%	2500	1000	16
98%	2500	900	16
99%	2500	800	16



Air Compressor Equipment Co.

3401 Kelley Highway

Fort Smith, AR 72904

(479) 783-6181

www.acec-ark.com

