



Precision Air Drilling Services

Equipment Information & Specifications





Nitrogen Production Unit Specifications

NPU-3000 Specifications



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Unit Specifications:

Item Description:	Item Specification:
Manufacturer:	IGS
Model:	NPU-3000
N ₂ Output @ 95% N ₂ + Inerts	3000 scfm / 81 Nm ³ /m
Maximum Working Pressure	330 psig / 23 barg
N ₂ Dew Point (Atm)	< -84°F / < -64°C
Dimensions (LxWxH) ft/m	20' x 8' x 8'6"/3 x 2.4 x 2.6
Weight (lbs/kg)	29,000 lbs / 13,154 kg
Operating Temperature Range	-40°F / 131°F (-40°C / 55°C)
Electrical Power	480V / 3Ph/60Hz Standard, customer to specify alternate power supply
PLC Operator Terminal	Standard
Heater	Standard
Oxygen Analyzer	Standard
Air Cooler Standard	Standard

System Power Specifications:

Item Description:	Item Specification:
Electrical System	Powered by External Supply & 24 VCD
Engine Heater	Glycol System or 460 VAC
Controls	Centralized Panel, PLC-based
Skid Configuration	Heavy duty, Roll-off capability or standard ISO container
Weather-Proof Enclosure	Standard



General Performance Specifications:

Item Description:	Item Specification:
AMBIENT CONDITIONS	Temperature: 100 °F Relative Humidity: 77%
MEMBRANE SYSTEM OUTPUT	Product Flow: 3000 SCFH @ 350 psi(g) Product O ₂ Content: 5% average
POWER SPECIFICATIONS	Voltage: 460 VAC / 3 Phase Frequency: 60 Hz Amperage: 175 Amps (full load)

Dimensions & Weight:

Item Description:	Item Specification:
Size:	8' W, 22' Long, approx, 9' 6''H
Weight:	Approximately 32,000 lbs