

The EK76-Q325 LP Nitrox Production System is a self-contained, portable, low pressure delivery package capable of supplying nitrox up to 40% O₂.

The system utilizes two low pressure compressors that are mounted together with a 37.4 hp Kubota diesel engine and a permeable membrane system in a powder coated steel frame. The system components include: BP pressure regulator, low pressure air filtration, gas stream temperature stabilizer (heater), permeable membrane, mixing tube, air intake filter, inline sensor / O₂ analyzer, compressor intake porting and two low pressure compressors. All of the component assemblies and parts are mounted to facilitate easy setup, operation and transport.



FEATURES

General

- Powder coated steel frame & belt guard
- Vibration isolation mounts
- Rotary screw compressor with modulation device
- Hour meter / tachometer
- Low oil shutdown (Kubota engine)
- High temperature shutdown (Kubota engine) + EK76 compressor
- (2) 30-gal ASME volume tank with drain & gauge
- Certified 15-gallon fuel tank

Nitrox Membrane System

- Pro O₂ Analyzer
- Pro O₂ Analyzer with inline sensor
- Auto thermostat controlled heater
- BP air flow regulator & O₂% control
- Air intake filter & static mixing tube
- Synthetic food-grade compressor lubricant
- Mix accurately within 0.1%

SPECIFICATIONS

7069DKU-EK76-325

Max Block Output Pressure	200 psi
Max Block Rated Output	18.6 CFM @ 175 psi
Final System Discharge Pressure	155-200 psi (11-14 bar)
Number of Stages (Q325)	2
Number of Cylinders (Q325)	2
Package Free Air Delivered Max	18.6 SCFM @ 40% nitrox
Condensate Drain	Tanks: manual / filtration: auto
Lubricant	Nuvair 546 (EK76) / Nuvair 455 (Q325)
Engine	Kubota D1803 diesel 37.4 hp (28 kW), 2700 RPM
Dimensions (L x W x H)	76 x 46 x 70 in (193 x 117 x 178 cm)
Weight	2,500 lbs (1,134 kg)

OPTIONS

- Certified lifting eyes
- Pro CO₂ with audible alarm
- Pro CO with audible alarm
- Low / high O₂% shutdown and alarm
- 60-gallon volume tank upgrade
- 250 psi discharge pressure