

Nuvair® LP280 / 300 / 450 / 600 / 750 / 1000

Compressed Gas Solutions

WATER COOLED MARINE NITROX GENERATOR

FEATURES

- Water cooled
- Heat exchangers use fresh or seawater for air and oil cooling
- Nitrox membrane system with (2) O₂ analyzers
- EK100 rotary screw compressor
- Hankison LP filtration for membrane system
- Refrigerated air dryer for long filter life
- Manual BP regulator control for O₂% adjustment
- Automatic condensate drains
- Automatic shutdown for high pressure and high temperature
- Compressor pressure is modulation controlled
- Marine grade aluminum frame with stainless steel motor plate
- Soft start

ADVANTAGES

- Cost-effective nitrox system
- Supply LP nitrox containing up to 40% oxygen
- Lower costs, less hassles and hazards compared to O₂ blending
- Systems to fit most HP compressors
- Water cooling and compact size allow installation below deck in hot engine rooms with limited space
- Marine grade heat exchangers with replaceable zinc anodes
- Soft start for reduced amperage draw on start

OPTIONS

- Nitrox manager
- Low / High CO, CO₂, O₂ alarm or alarm/shutdown
- Remote operation capability
- Frequency drive for easy start
- Membrane system mounted to frame
- Sound shield



SPECIFICATIONS

Model	LP280 · 10 hp (7.5 kW)	LP300 · 10 hp (7.5 kW)	LP450 · 15 hp (11 kW)	LP600 · 20 hp (15 kW)	LP750 · 20 hp (15 kW)	LP1000 · 30 hp (22 kW)
Dimensions (L x W x H)	27 × 41.5 × 40.5 in (68.6 × 105 × 103 cm)	27 × 41.5 × 40.5 in (68.6 × 105 × 103 cm)	27 × 41.5 × 40.5 in (68.6 × 105 × 103 cm)	27 × 41.5 × 40.5 in (68.6 × 105 × 103 cm)	27 × 41.5 × 40.5 in (68.6 × 105 × 103 cm)	27 × 41.5 × 40.5 in (68.6 × 105 × 103 cm)
Weight ¹	580 lb (263 kg)	580 lb (263 kg)	620 lb (281 kg)	740 lb (335 kg)	800 lb (363 kg)	850 lb (386 kg)
208-230V / E1 / 60Hz	54A · 7060.1ME-EK76-WC	N/A	N/A	N/A	N/A	N/A
208-230V / E3 / 60Hz ²	N/A	30A · 7060.2ME-EK76-WC	48A · 7061.2ME-EK76-WC	64A · 7062.2ME-EK76-WC	64A · 7063.2ME-EK100-WC	80A ·
440-480V / E3 / 60Hz	N/A	16A · 7060.3ME-EK76-WC	21A · 7061.3ME-EK76-WC	33A · 7062.3ME-EK76-WC	33A · 7063.3ME-EK100-WC	40A ·
380-415V / E3 / 50Hz	N/A	19A · 7060.6ME-EK76-WC	24A · 7060.6ME-EK76-WC	38A · 7062.6ME-EK76-WC	38A · 7063.6ME-EK100-WC	42A ·
LP Compressor						
Capacity @ 175 psi	29 CFM (821 L/min)	29 CFM (821 L/min)	46 CFM (1303 L/min)	57 CFM (1614 L/min)	81 CFM (2294 L/min)	95 CFM (2690 L/min)
Membrane Input						
Operating Pressure	100–175 psi (7–12 bar)	100–175 psi (7–12 bar)	100–175 psi (7–12 bar)	100–175 psi (7–12 bar)	100–175 psi (7–12 bar)	100–175 psi (7–12 bar)
Optimum Temperature	110° ±5°F (43° ±3°C)	110° ±5°F (43° ±3°C)	110° ±5°F (43° ±3°C)	110° ±5°F (43° ±3°C)	110° ±5°F (43° ±3°C)	110° ±5°F (43° ±3°C)
Rated to Supply						
FAD for 40% O ₂	10 CFM (280 L/min)	11 CFM (311 L/min)	16 CFM (450 L/min)	22 CFM (623 L/min)	26.5 CFM (750 L/min)	38 CFM (1019 L/min)
FAD for 36% O ₂	12.5 CFM (350 L/min)	14 CFM (396 L/min)	20 CFM (566 L/min)	28 CFM (793 L/min)	33.5 CFM (948 L/min)	49 CFM (1387 L/min)
FAD for 32% O ₂	17 CFM (480 L/min)	19 CFM (538 L/min)	27.5 CFM (779 L/min)	38 CFM (1076 L/min)	46 CFM (1301 L/min)	65 CFM (1840 L/min)

¹ Model weight may vary depending on the electronic motor type. ² Part numbers do not include 50 Hz models. For more information, please contact the Nuvair sales team. Water cooled compressors require a water flow of 4ñ10 gallons/minute. Water pump not included.