

ON-SITE OXYGEN GENERATOR

DOCS 500

- > **Industrial Configuration**
 Superior Reliability - Easy Serviceability
 Modular and Turn-Key System For Easy Installation



Characteristics	Value / Description
Discharge flow rate	500 lpm 30 m ³ per hour 1060 scfh 2100 lbs per day 954 kg per day
O ₂ purity @ discharge flow rate	93% +/- 3%
O ₂ output pressure	20 – 100 psig 1.4 – 6.9 barg
Operating temperature	0°F to 120°F -18°C – 49°C
Power requirements Site power source Plant	380/460 VAC +/- 10%, 50/60 Hz +/- 3%, 3-Phase, 120/100 Ampere 380/460 VAC , 50/60 Hz, 3-Phase, 100/80 FLA
Average power consumption	171 kW at 20 psig (1.4 barg) output pressure 17.5 kW at 55 psig (3.8 barg) output pressure 18.9 kW at 100 psig (6.9 barg) output pressure
Process outlet connection	3/4" Internal NPT Fitting
Unit footprint dimensions (nom.) Crated dimensions (nom.) Crate 1 Crate 2	76" L x 119" W x 81" H 193 cm L x 302 cm W x 207 cm H 82" L x 67" W x 91" H 208 cm L x 170 cm W x 231 cm H 85" L x 82" W x 91" H 216 cm L x 208 cm W x 231 cm H
Unit weight (nom.) Crated Weight (nom.)	5,958 lbs 2702 kg Crate 1: 3,000 lbs 1362 kg Crate 2: 5,300 lbs 2406 kg
Average scheduled maintenance cost	\$160 – \$180 per month
Average operating cost @ 55 psig	\$0.16 – \$0.23 per 100 scf \$0.06 – \$0.08 per m ³
Additional available options	Remote monitoring & diagnostics suite 4-20 mA Communication to external controller (0-10V standard) Mass flow control assembly Automatic sleep mode feature for low-demand situations Platinum 3 plus 10 Warranty

¹ Performance parameters stated at standard conditions (59°F 14.7 psia 0% RH | 15°C 101.325kPa 0% RH). Operation in atypical conditions may affect performance. For more information, please consult with your PCI technical representative.

² Available in CE compliant configuration.

³ Electrical enclosure cUL listed.