

# ON-SITE OXYGEN GENERATOR

## DOCS 5000

- **Industrial Configuration**  
 Free-standing, modularized components with pre-fabbed electrical & mechanical module interconnects for rapid, low-cost installation



Characteristics	Value / Description
Discharge flow rate	5000 lpm   300 m <sup>3</sup> per hour   10600 scfh   10.5 STPD   9540 kg per day
O <sub>2</sub> purity @ discharge flow rate	93% +/- 3%
O <sub>2</sub> output pressure	6 – 10 psig   0.4 – 0.7 barg <sup>2</sup>
Operating temperature	0°F to 120°F   -18°C – 49°C
Power requirements Site power source Plant	380/460/575 VAC +/- 10%, 50/60/60 Hz +/- 3%, 3-Phase, 1000/800/600 Ampere 380/460/575 VAC , 50/60/60 Hz, 3-Phase, 758/626/501 FLA
Average power consumption	135 - 140 kW at 7 psig (0.5 barg) output pressure 157 - 165 kW at 55 psig (3.8 barg) output pressure (with external booster) 162 - 170 kW at 100 psig (6.9 barg) output pressure (with external booster)
Process outlet connection	6" ANSI 150# Flange (Booster: 2.5" Internal NPT Fitting)
Unit footprint dimensions (nom.) Crated dimensions (nom.)	456" L x 190" W x 215" H   1158 cm L x 483 cm W x 546 cm H Please contact your PCI representative for shipping information.
Unit weight (nom.) Crated Weight (nom.)	62,250 lbs   28260 kg Please contact your PCI representative for shipping information.
Average scheduled maintenance cost	\$200 - \$300 per month
Average operating cost @ 55 psig	\$0.10 - \$0.14 per 100 scf   \$0.03 - \$0.05 per m <sup>3</sup>
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

<sup>1</sup> 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.

<sup>2</sup> PCI offers an external oxygen booster for higher pressures up to 100 psig | 6.9 barg.

<sup>3</sup> Available in CE compliant configurations.

<sup>4</sup> Electrical enclosure cUL listed.