

DOCS 1500

Industrial Configuration

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

ON-SITE OXYGEN GENERATOR

Characteristic	
Discharge flow rate	1500 lpm | 90 m^3 per hour | 3180 scfh | 3.2 STPD | 2862 kg per day
0_2 purity @ discharge flow rate	93% +/- 3%
0_2 output pressure	6 – 10 psig | 0.4 – 0.7 barg[2]
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, 300/250/200 Ampere 380/460/575 VAC, 50/60/60 Hz, 3-Phase, 240/200/160 FLA
Average power consumption	35.6 kW at 7 psig (0.5 barg) output pressure 41.3 kW at 55 psig (3.8 barg) output pressure (with external booster) 44.7 kW at 100 psig (6.9 barg) output pressure (with external booster)
Process outlet connection	2” Hose Barbed Fitting (Booster: 1” Internal NPT Fitting)
Unit footprint dimensions (nom.) Crated dimensions (nom.)	288” L x 109” W x 129” H | 732 cm L x 277 cm W x 328 cm H Please contact your PCI representative for shipping information.
Unit weight (nom.) Crated Weight (nom.)	18,800 lbs | 8535 kg Please contact your PCI representative for shipping information.
Average scheduled maintenance cost	$100 - $140 per month
Average operating cost @ 55 psig	$0.10 - $0.14 per 100 scf | $0.03 - $0.05 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 I 15°C 101.325kPa 0% RH). Operation in atypical conditions may affect performance. For more information, please consult with your PCI technical representative.

[2] PCI offers an external oxygen booster for higher pressures up to 100 psig | 6.9 barg.

[3] Available in CE compliant configurations.

[4] Electrical enclosure cUL listed.

PCI
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