



# DOCS 80

Deployable Oxygen Concentration Systems (DOCS) is a lightweight, highly compact unit that can be deployed and made operational with minimal logistic support, obsolescing old oxygen supply methods. DOCS-200 & DOCS-500 Models are available

## ON-SITE OXYGEN GENERATOR

Characteristic	Value / Description
Discharge flow rate <sup>1</sup>	80 lpm   4.8 m <sup>3</sup> per hour   340 lbs per day   170 scfh
O <sub>2</sub> purity @ discharge flow rate	93% +/- 3%
O <sub>2</sub> output pressure	20 – 100 psig   1.4 – 6.9 bar
Output flow/pressure of one O <sub>2</sub> booster <sup>2</sup>	0°F to 120°F   -18°C – 49°C
Operating temperature	0°F to 120°F   -18°C – 49°C
Operating power	208 VAC, 3-phase, 60 Hz or 380 VAC, 3-phase, 50 Hz
Average power consumption	3.9 kW at 100 psig (6.9 bar) output pressure
Amperage	13 (26) amps average (maximum) draw at 240 VAC configuration 8 (16) amps average (maximum) draw at 380 VAC configuration
Unit Footprint dimensions	60" L x 45" W x 55" H   152 cm L x 114 cm W x 140 cm H
Weight of base unit	1,316 lbs   597 kg
Additional available options	<ul style="list-style-type: none"> <li>• Vacuum pump to evacuate empty cylinders</li> <li>• High Pressure Booster for cylinder refilling operations</li> <li>• Remote Diagnostics &amp; Remote Monitoring</li> </ul>
Average scheduled maintenance cost	\$30 - \$90 per month
Average operating cost @ 55 psig	\$0.30 - \$0.40 per 100 scf   \$0.10 - \$0.14 per m <sup>3</sup>

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<sup>1</sup> For applications requiring lower purity of 90%, flow rate increases to 80 lpm

<sup>2</sup> If configuration with HP booster is selected

Note: Performance parameters stated at standard conditions

