



## ON-SITE OXYGEN GENERATOR

# DOCS 66

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.

PRODUCT PROFILE

Characteristic	Value / Description
Discharge flow rate <sup>1</sup>	66 lpm   4 m <sup>3</sup> per hour   280 lbs per day   140 scfh
O <sub>2</sub> purity @ discharge flow rate	93% +/- 3%
O <sub>2</sub> output pressure w/out O <sub>2</sub> compressor	5 - 8 psig
O <sub>2</sub> output pressure with O <sub>2</sub> compressor	10 - 100 psig
Output flow/pressure of one O <sub>2</sub> booster <sup>2</sup>	60 lpm up to 2,250 psig
Operating temperature	0°F to 120°F
Operating power	208 VAC, 3-phase, 60 Hz or 380 VAC, 3-phase, 50 Hz
Average power consumption	2.9 kW @ 5 psig output pressure 3.6 kW @ 55 psig output pressure 3.7 kW @ 100 psig output pressure
Amperage	11 (22) amps average (maximum) draw at 240 VAC configuration 7 (14) amps average (maximum) draw at 380 VAC configuration
Base dimensions Outside enclosure skid dimensions	50" L x 38" W x 54" H 52" L x 42" W x 56" H
Weight of base unit (estimate)	1500 lbs (does not include booster)
System assembly	<ul style="list-style-type: none"> <li>If enclosure skid option is selected: turn-key system; all components are skid mounted</li> <li>If base skid option is selected: blower module needs to be connected to adsorber bed; unit comes with easy assembly instructions</li> </ul>
Average scheduled maintenance cost	\$30 - \$90 per month (depending on configuration)
Average operating cost @ 55 psig	\$0.30 - \$0.40 per 100 scf   \$0.10 - \$0.14 per m <sup>3</sup>

<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