



ON-SITE OXYGEN GENERATOR

DOCS 200

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.

Characteristic	Value / Description
Discharge flow rate ¹	200 lpm 12 m ³ per hour 840 lbs per day 425 scfh
O ₂ purity @ discharge flow rate	93% +/- 3%
O ₂ output pressure w/out O ₂ compressor	5 - 8 psig
O ₂ output pressure with O ₂ compressor	10 - 100 psig
Output flow/pressure of one O ₂ booster ²	60 lpm / 120 lpm; up to 2,250 psig
Operating temperature	0°F to 120°F
Operating power	460 VAC, 3-phase, 60 Hz or 380 VAC, 3-phase, 50 Hz
Average power consumption	7.5 kW @ 5 psig output pressure 9.5 kW @ 55 psig output pressure 10.0 kW @ 100 psig output pressure
Amperage	12 (32) amps average (maximum) draw at 460 VAC configuration 15 (40) amps average (maximum) draw at 380 VAC configuration
Base dimensions Outside enclosure skid dimensions	70" L x 73" W x 66" H 74" L x 74" W x 72" H
Weight of base unit (estimate)	3050 lbs (does not include booster)
System assembly	<ul style="list-style-type: none"> If enclosure skid option is selected: turn-key system; all components are skid mounted If base skid option is selected: blower module needs to be connected to adsorber bed; unit comes with easy assembly instructions
Average scheduled maintenance cost	\$40 - \$120 per month (depending on configuration)
Average operating cost @ 55 psig	\$0.20 - \$0.30 per 100 scf \$0.07 - \$0.11 per m ³

¹For applications requiring lower purity of 90%, flow rate increases to 240 lpm

²If configuration with HP booster is selected

Note: Performance parameters stated at standard conditions