



## ON-SITE OXYGEN GENERATOR

# DOCS 500

Deployable Oxygen Concentration System (DOCS) 500 offers the lowest cost per ccf of oxygen generated of any oxygen generator its size.

PRODUCT PROFILE

| Characteristic   | Value / Description  |
|--|--|
| Discharge flow rate  | Up to 500 lpm   30 m <sup>3</sup> per hour   2100 lbs per day   1060 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 O <sub>2</sub> booster <sup>1</sup>    | 250 lpm (one booster)   500 lpm (two boosters); up to 2,250 psig   |
| Operating temperature  | 0°F to 120°F   |
| Operating power  | 460 VAC, 3-phase, 60 Hz or<br>380 VAC, 3-phase, 50 Hz  |
| Average power consumption (estimate)                           | 18 kW @ 5 psig output pressure<br>21 kW @ 55 psig output pressure<br>22.5 kW @ 100 psig output pressure  |
| Amperage   | 35 (72) amps average (maximum) draw at 460 VAC configuration<br>42 (87) amps average (maximum) draw at 380 VAC configuration   |
| Base dimensions<br>Outside enclosure skid dimensions           | 110" L x 68" W x 80" H<br>114" L x 72" W x 83" H   |
| Weight of base unit (estimate)                                 | 5000 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                             | \$50 - \$150 per month (depending on configuration)  |
| Average operating cost @ 55 psig                               | \$0.15 - \$0.25 per 100 scf   \$0.05 - \$0.09 per m <sup>3</sup>   |

<sup>1</sup>If configuration with HP booster is selected  
Note: Performance parameters stated at standard conditions

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