



# Oxygen Solutions Inc.

## TECHNICAL DATA SHEET

### OSI-500 Oxygen Generator

#### Specifications:

• Discharge flow rate	• 240 LPM, 500 SCFH 454 kg/day, 1000 lbs/day
• Oxygen purity	• 92% +/-2%
• Discharge pressure With booster compressor	• 4 to 6.5 psig 20 to 90 psig
• Operating temperature With temperature control options	• 40° F to 90° F -10° F to 120° F
• Power requirements	<b>Generator:</b> <ul style="list-style-type: none"><li>• Voltage: 460 60 hz, three phase 380/415 50 hz, three phase</li><li>• Connected HP: 20.</li><li>• Power consumption: 11.2 kw</li></ul> <b>Booster Compressor:</b> <ul style="list-style-type: none"><li>• Voltage: 460 60 hz, three phase 380/415 50 hz, three phase</li><li>• Connected HP: 3</li><li>• Power consumption: 1.7 kw</li></ul>
• Weight and Dimensions	• 3400 LBS 76" L x 64" W x 82"H
• Ventilation	• 2000 cfm
• Waste gases ventilation option	• Waste gases 3 way valve option when installed in a closed room
• Maintenance cost VSA unit Booster compressor unit	• Avg. \$60/month Based on 24/7/365 days/yr • Avg. \$42/month Based on 24/7/365 days/yr
• Average operating cost VSA unit Booster compressor unit	• \$0.26 per 100 ft <sup>3</sup> , \$0.07 per cu m <sup>3</sup> • \$0.045 per 100 ft <sup>3</sup> , \$0.016 per m <sup>3</sup> Based on \$0.10 per kwh



Oxygen Solutions Inc.

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## VACUUM SWING ADSORPTION OXYGEN GENERATORS



### BENEFITS

Lowest power consumption possible for a vacuum swing adsorption system

Compact and can be moved and installed with minimal handling

Totally self contained and can be on line in minimum time

Very low maintenance

Remote diagnostics and communications

Automatic turn-down to suit the demand and save energy

### FEATURES

Available in 1/4 TPD (120 lpm), 1/2 TPD (240 lpm), 1 TPD ( 480 lpm), 3TPD (1500 lpm) and 5 TPD (2500 lpm)

Available in various voltages, 460, 380, 415 and 575 volts, 3 phase

Requires only the power connection and one hose connection

Will self adjust to the demand load

Self contained booster compressor up to 90 psig



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