



Oxygen Solutions Inc.

TECHNICAL DATA SHEET

OSI-250 Oxygen Generator

Specifications:

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|---|--|
| • Discharge flow rate | • 120 LPM, 250 SCFH
227 kg/day, 500 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 | |

Generator:

- Voltage: 460 60 hz, three phase
380/415, 50 hz three phase
- Connected HP: 15
- Power consumption: 8.5 kw

Booster Compressor:

- Voltage: 460 60 hz, three phase
380/415 50 hz, three phase
- Connected HP: 2
- Power consumption: 1.5 kw

- | | |
|---|---|
| • Weight and Dimensions | • 76" L x 64" W x 82"H 2600 LBS |
| • 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. \$50/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 | • \$0.34 per 100 ft ³ , \$0.12 per m ³
• \$0.045 per 100 ft ³ , \$0.016 per m ³
Based on \$0.10 per kwh |



Oxygen Solutions Inc.

17338-106A Avenue, Edmonton, Alberta, Canada T5S 1E6
Tel: 780.444.7666 Fax: 780.444.5799
www.osioxygen.com email: info@osioxygen.com



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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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