# SureSource 1500™

## 1.4 MEGAWATTS

### KEY FEATURES

- Continuous Power
- Highly Efficient
- Fuel Flexible
- Ultra-Clean
- Scalable
- Modest Footprint
- Quiet Operation

### APPLICATIONS

Featuring ultra-low emissions, quiet operation and minimal space requirements (about the size of a tennis court), the SureSource 1500 is suitable for locations where combustion-based traditional power generation technologies are not feasible or desirable such as next to buildings or in space-constrained urban locations. This solution is ideal for on-site power generation for large installations requiring continuous power and value high-quality steam for facility heating and/or absorption chilling; including industrial facilities, hospitals, universities and wastewater treatment plants.

### PERFORMANCE

<table>
<thead>
<tr>
<th>Gross Power Output</th>
<th>Water Consumption</th>
<th>Water Discharge</th>
<th>Pollutant Emissions</th>
<th>Greenhouse Gas Emissions</th>
<th>Sound Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power @ Plant Rating</td>
<td>Average</td>
<td>1.02 m³/h</td>
<td>Peak during WTS backflush</td>
<td>3.41 m³/h</td>
<td>72 dB(A) at 3.0 m</td>
</tr>
<tr>
<td>Standard Output AC voltage</td>
<td>20 kV</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Frequency</td>
<td>50 Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optional Output AC Voltages</td>
<td>By Request</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optional Output Frequency</td>
<td>60 Hz</td>
<td></td>
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</tr>
</tbody>
</table>

**Efficiency**

- LHV: 47 +/- 2 %

**Available Heat**

- Exhaust Temperature: 370 +/- 28 °C
- Exhaust Flow: 8,300 kg/h
- Allowable Backpressure: 12.5 mbar

**Heat Energy Available for Recovery**

- (to 120 °C): 649 kW
- (to 50 °C): 1,092 kW

**Fuel Consumption**

- Natural gas (at 9.63 kWh/m³): 309 Nm³/h

**Pollutant Emissions**

- NOx: $4.54 \times 10^{-3}$ g/kWh
- SOx: $4.54 \times 10^{-5}$ g/kWh
- PM10: $9.0 \times 10^{-6}$ g/kWh

**Greenhouse Gas Emissions**

- CO₂: 445 g/kWh
- CO₂ (with waste heat recovery): 236 - 309 g/kWh
SPECIFICATIONS

SureSource 1500

WEIGHTS

Water Treatment Skid
9.1 t

Main Process Skid
22.7 t

Desulfurization
6.8 t

Electrical Balance of Plant
12.1 t

Fuel Cell Module
48.6 t

ABOUT FUELCELL ENERGY

FuelCell Energy (NASDAQ: FCEL) delivers efficient, affordable and clean solutions for the supply, recovery and storage of energy. We design, manufacture, undertake project development, install, operate and maintain megawatt-scale fuel cell systems, serving utilities, industrial and large municipal power users with solutions that include both utility-scale and on-site power generation, carbon capture, local hydrogen production for transportation and industry, and long duration energy storage. With SureSource installations on three continents and millions of megawatt hours of ultra-clean power produced, FuelCell Energy is a global leader with environmentally responsible power solutions.