

C800S Power Package

Liquid Fuels

The Signature Series Microturbine provides 800kW of reliable electrical power in one small, ultra-low emission, and highly efficient package.



C800S ICHP Power Package

Benefits

- Ultra-low emissions
- One moving part – minimal maintenance and downtime
- Patented air bearings – no lubricating oil or coolant
- Integrated utility synchronization – no external switchgear
- Compact modular design allows for easy, low-cost installation
- High electrical efficiency over a very wide operating range
- High availability – part load redundancy
- Remote monitoring and diagnostic capabilities
- Proven technology with tens of millions of operating hours
- Various Factory Protection Plans available

Electrical Performance⁽¹⁾

| | |
|---------------------------|---------------------|
| Electrical Power Output | 760kW |
| Voltage | 400/480 VAC |
| Electrical Service | 3-Phase, 4 Wire Wye |
| Frequency | 50/60 Hz |
| Electrical Efficiency LHV | 31% |

Fuel/Engine Characteristics⁽¹⁾

| | |
|-------------------|-------------------------------------|
| Liquid Fuels | Diesel (ASTM D975-13, No. 2-D, S15) |
| Inlet Pressure | 3.4–34.5 kPa gauge (0.5–5.0 psig) |
| Fuel Flow HHV | 9,720 MJ/hr (9,200,000 BTU/hr) |
| Net Heat Rate LHV | 11.6 MJ/kWh (11,000 BTU/kWh) |

Exhaust Characteristics⁽¹⁾

| | |
|-------------------------|-----------------------|
| Exhaust Mass Flow | 5.3 kg/s (11.7 lbm/s) |
| Exhaust Gas Temperature | 280°C (535°F) |

**Smarter Energy
for a Cleaner Future**

Dimensions & Weight⁽²⁾

| | |
|-----------------------------|--|
| Width x Depth x Height | 3.0 x 7.5 x 3.0 m (117 x 295 x 119 in) |
| Weight - Grid Connect Model | 15,200 kg (33,500 lbs) |
| Weight - Dual Mode Model | 18,000 kg (39,700 lbs) |

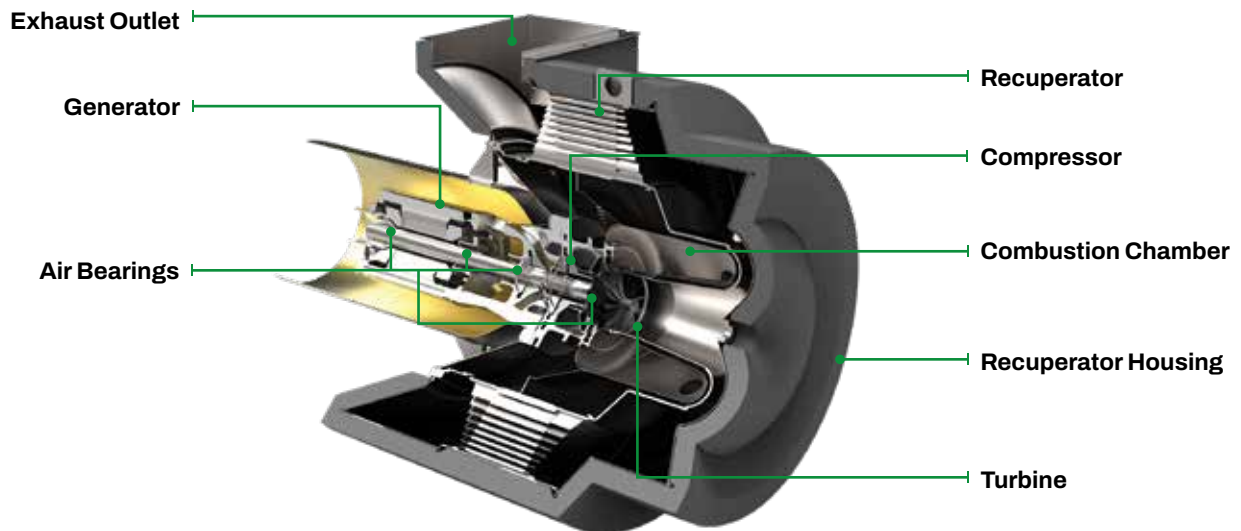
Certifications

- Certified to the following grid interconnections standards: UL 1741

Minimum Clearance Requirements⁽³⁾

| Horizontal Clearance | |
|----------------------|---------------|
| Left | 1.5 m (60 in) |
| Right | 0.0 m (0 in) |
| Front | 1.7 m (65 in) |
| Rear | 2.2 m (85 in) |

C200 Engine Components



(1) Nominal full power performance at ISO conditions: 15°C (59°F), 14.696 psia, 60% RH

(2) Approximate dimensions and weights

(3) Clearance requirements may increase due to local code considerations

Specifications are not warranted and are subject to change without notice.