

C200S Microturbine

Liquid Fuels



Achieve lower emissions and reliable electrical generation with diesel.

- + Ultra-low emissions
- + One moving part – minimal maintenance and downtime
- + Patented air bearings – no lubricating oil or coolant
- + Integrated utility synchronization – no external switchgear⁽¹⁾
- + Compact modular design allows for easy, low-cost installation
- + Multiple units easily combined – act as single generating source
- + Remote monitoring and diagnostic capabilities
- + Proven technology with tens of millions of operating hours
- + Various Factory Protection Plans available



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Electrical Performance⁽²⁾

Electrical Power Output	190kW
Voltage	400/480 VAC
Electrical Service	3-Phase, 4 Wire Wye
Frequency	50/60 Hz
Electrical Efficiency LHV	31%

Fuel/Engine Characteristics⁽²⁾

Liquid Fuels	Diesel (ASTM D975 -13, No. 2-D, S15)
Inlet Pressure	3.4–35.0 kPa gauge (0.5 –5.0 psig)
Fuel Flow HHV	2,430 MJ/hr (2,300,000 BTU/hr)
Net Heat Rate LHV	11.6 MJ/kWh (11,000 BTU/kWh)

Exhaust Characteristics⁽²⁾

Exhaust Mass Flow	1.3 kg/s (2.9 lbm/s)
Exhaust Gas Temperature	280°C (535°F)

Dimensions & Weight⁽³⁾

Width x Depth x Height	3.0 x 2.5 x 3.0 m (117 x 100 x 119 in)
Weight - Grid Connect Model	5,450 kg (12,000 lbs)
Weight - Dual Mode Model	6,200 kg (13,500 lbs)

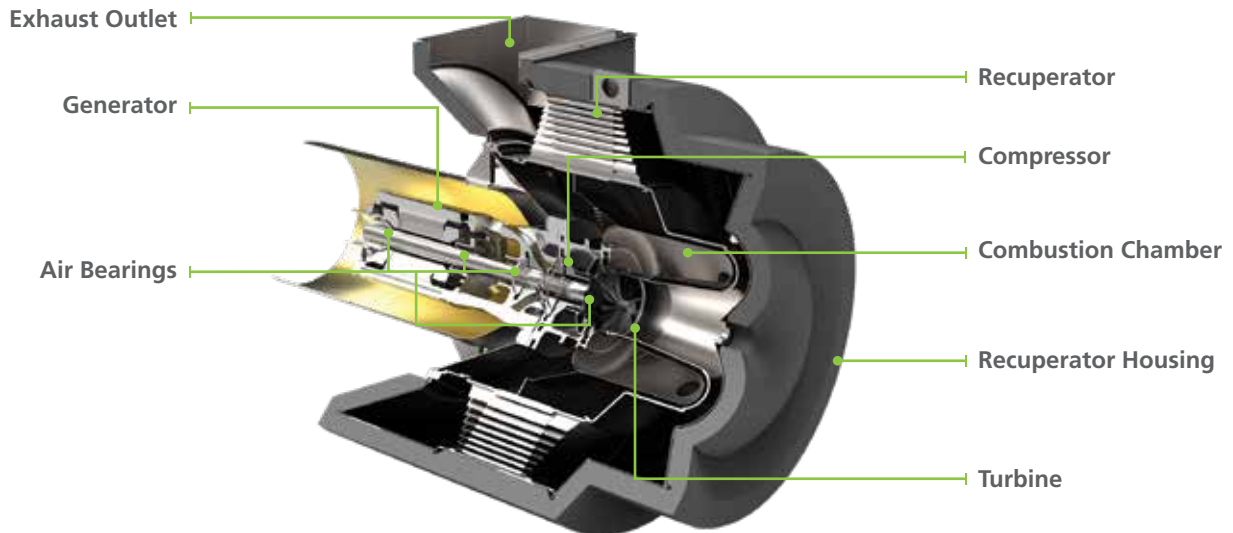
Minimum Clearance Requirements⁽⁴⁾

Horizontal Clearance	
Left & Right	1.5 m (60 in)
Front - Grid Connect Model	0.0 m (0 in)
Front - Dual Mode Model	1.7 m (65 in)
Rear	2.2 m (85 in)

Certifications

- Certified to the following grid interconnection standards: UL 1741

C200 Engine Components



(1) Some utilities may require additional equipment for grid connectivity
 (2) Nominal full power performance at ISO conditions: 15°C (59°F), 14.696 psia, 60% RH
 (3) Approximate dimensions and weights
 (4) Clearance requirements may increase due to local code considerations
 Specifications are not warranted and are subject to change without notice.

