Capstone Green Energy

Energy Conversion Products

C200S Microturbine

Liquid Fuels

Achieve lower emissions and reliable electrical generation with diesel.

C200S Microturbine

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)

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[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**

Smarter Energy for a Cleaner Future

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)

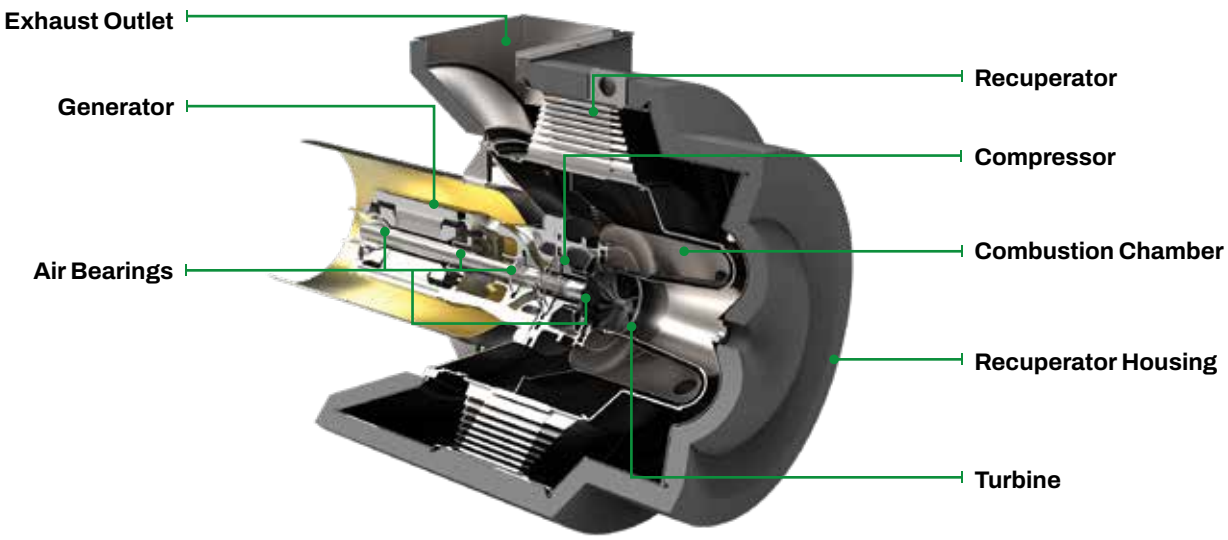
Minimum Clearance Requirements[4]

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

Certifications

- **Certified to the following grid interconnections 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.

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