Capstone Green Energy

Energy Conversion Products

C200S Microturbine

Liquid Petroleum Gas (LPG)

World's largest air-bearing microturbine produces 200kW of clean, green, and reliable power.

C200S Microturbine

Electrical Performance[1]

Electrical Power Output	200kW
Voltage	400/480 VAC
Electrical Service	3-Phase, 4 Wire Wye
Frequency	50/60 Hz
Electrical Efficiency LHV	33%

Fuel/Engine Characteristics[1]

Liquid Petroleum Gas HHV	91.3–128.0 MJ/m3 (2,450–3,436 BTU/scf)
Inlet Pressure	448–482 kPa gauge (65–70 psig)
Fuel Flow HHV	2,400 MJ/hr (2,280,000 BTU/hr)
Net Heat Rate LHV	10.9 MJ/kWh (10,300 BTU/kWh)

Exhaust Characteristics[1]

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
- 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[2]

Width x Depth x Height	3.0 x 2.5 x 3.0 m (117 x 100 x 119 in)
Weight - Grid Connect Model	5,200 kg (11,400 lbs)
Weight - Dual Mode Model	5,850 kg (12,900 lbs)

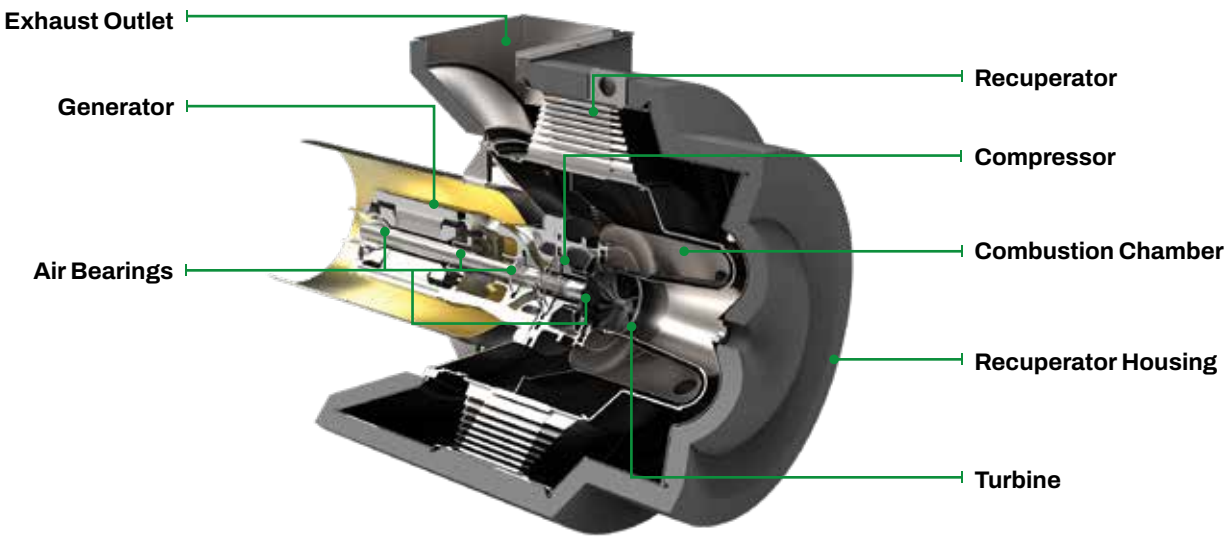
Minimum Clearance Requirements[3]

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)

Certifications

- **CE Certified**
- **Certified to the following grid interconnections standards: UL 1741-SA, VDE, BDEW, CEI 0-16, AS4777**
- **Compliant to California Rule 21**

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.

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