C200 MicroTurbine
Liquid Fuels

Capstone

Achieve lower emissions and reliable electrical/thermal generation with diesel, kerosene or bio-diesel fuel.

- Ultra-low emissions
- One moving part: Minimal maintenance and downtime
- Patented air bearing: No lubricating oil or coolant
- 5 and 9 year Factory Protection Plans available
- Remote monitoring and diagnostic capabilities
- Integrated utility synchronization and protection[1]
- Small, modular design allows for easy, low-cost installation and easy transportation
- Proven technology with tens of millions of operating hours

C200 MicroTurbine

Electrical Performance[2]

Electrical Power Output	200 kW
Voltage	400 to 480 VAC
Electrical Service	3-Phase, 4 wire
Frequency	50/60 Hz, grid connect operation
	10-60 Hz, stand alone operation
Maximum Output Current	290A RMS @ 400V, grid connect operation
	240A RMS @ 480V, grid connect operation
	310A RMS, stand alone operation[3]
Electrical Efficiency LHV	33%

Fuel/Engine Characteristics[2]

Liquid Fuels[4]	Diesel (ASTM D975-07b Grade Low Sulfur No. 1-D, 2-D)
	Bio Diesel
	Aviation (ASTM D1655 Jet-A,
	MIL-DTL-83133E JP-8, MIL-DTL-5624U JP-5)
	Kerosene (ASTM D3699 1-K, JIS K2203)
Inlet Pressure	-34.5 to 34.5 kPa gauge (-5 to +5 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[2]

Exhaust Gas Flow	1.3 kg/s (2.9 lbm/s)
Exhaust Gas Temperature	280°C (535°F)
Exhaust Energy	1,420 MJ/hr (1,350,000 BTU/hr)

Reliable power when and where you need it. Clean and simple.

Dimensions & Weight[5]

Width x Depth x Height[6]	1.7 x 3.7 x 2.5 m (67 x 144 x 98 in)
Weight – Grid Connect Model	2775 kg (6,120 lb)
Weight – Dual Mode Model	3413 kg (7,525 lb)

Minimum Clearance Requirements[7]

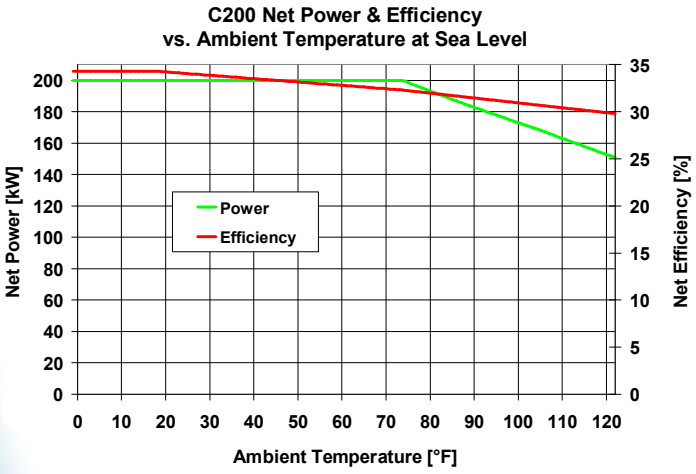
Vertical Clearance	0.6 m (24 in)
Horizontal Clearance	
Left & Right	1.1 m (42 in)
Front	1.1 m (42 in)
Rear	1.8 m (70 in)

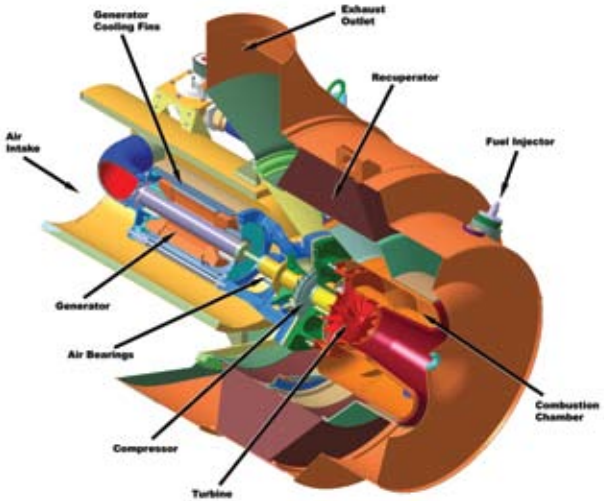
Sound Levels

Acoustic Emissions at Full Load Power	
Nominal at 10 m (33 ft)	65 dBA

Planned Certifications

- Models will be available with optional equipment for CE Marking





(1) Some utilities may require additional equipment for grid interconnectivity
(2) Nominal full power performance at ISO conditions: 59˚F, 14.696 psia, 60% RH
(3) With linear load
(4) Contact Capstone for additional possible fuels
(5) Approximate dimensions and weights
(6) Height dimensions are to the roof line. Exhaust outlet extends at least 8 inches above the roof line
(7) Clearance requirements may increase due to local code considerations
Specifications are not warranted and are subject to change without notice.

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