

## C15 MicroTurbine Natural Gas



Robust power system achieves ultra-low emissions and reliable electricity from natural gas.

- 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<sup>(1)</sup>
- Small, modular design allows for easy, low-cost installation
- Reliable: Tens of millions of run hours and counting
- Optional onboard gas compressor



C15 MicroTurbine

### Electrical Performance<sup>(2)</sup>

Electrical Power Output	15kW
Voltage	400–480 VAC
Electrical Service	3-Phase, 4 wire
Frequency	50/60 Hz, grid connect operation 10–60 Hz, stand alone operation
Maximum Output Current	23A, grid connect operation 54A, stand alone operation <sup>(3)</sup>
Electrical Efficiency LHV	23%

### Fuel/Engine Characteristics<sup>(2)</sup>

Natural Gas HHV	30.7–47.5 MJ/m <sup>3</sup> (825–1,275 BTU/scf)
Inlet Pressure	379–414 kPa gauge (55–60 psig)
Fuel Flow HHV	255 MJ/hr (242,000 BTU/hr)
Net Heat Rate LHV	15.5 MJ/kWh (14,700 BTU/kWh)

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

## Dimensions & Weight<sup>(4)(5)</sup>

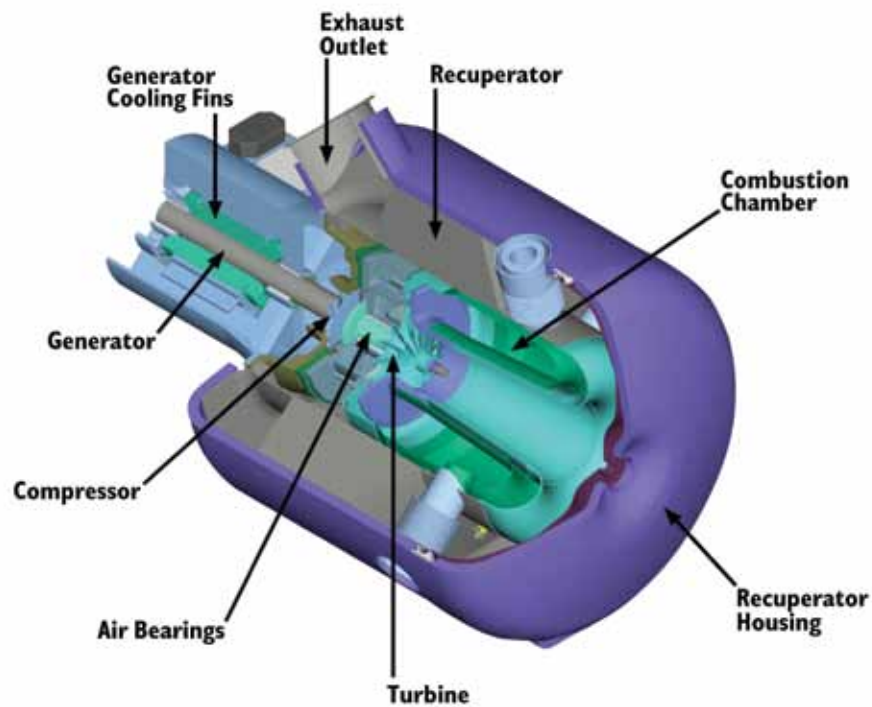
Width x Depth x Height	0.76 x 1.5 x 1.9 m (30 x 60 x 70 in)
Weight – Grid Connect Model	405 kg (891 lb)
Weight – Dual Mode Model	578 kg (1,271 lb)

## Minimum Clearance Requirements<sup>(6)</sup>

Vertical Clearance	0.61 m (24 in)
Horizontal Clearance	
Left & Right	0.76 m (30 in)
Front	0.93 m (37 in)
Rear	0.92 m (36 in)

## Sound Levels

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



- (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) Approximate dimensions and weights
  - (5) Height dimensions are to the roof line. Exhaust outlet extends at least 7 in above the roof line
  - (6) Clearance requirements may increase due to local code considerations
- Specifications are not warranted and are subject to change without notice.*

