Key Features
- High Efficiency
- Low Environmental Impact
- Fuel Flexibility
- High Reliability
- Quiet Operation

Advantages
The DFC®300™ stationary fuel cell power plant from FuelCell Energy provides high-quality, Ultra-Clean electrical power with 47% efficiency in a small footprint. Designed for commercial and industrial applications, the system offers operation around-the-clock, easy transport, quiet and reliable operation, and easy site planning and regulatory approval.

Performance

**Power Output**
- Power @ Plant Rating: 300 kW
- Standard Output AC Voltage: 480 V
- Standard Frequency: 60 Hz
- Optional Output AC Voltages: 460, 440, 420, 400, 380 V
- Optional Output Frequency: 50 Hz

**Efficiency**
- LHV: 47 +/- 2 %

**Available Heat**
- Exhaust Temperature: 700 +/- 50 °F
- Exhaust Flow: 3,950 lb/h
- Allowable Backpressure: 5 iwc
- Heat Energy Available for Recovery (to 250°F): 480,000 Btu/h
- Heat Energy Available for Recovery (to 120°F): 808,000 Btu/h

**Fuel Consumption**
- Natural gas (at 930 Btu/ft³): 39 scfm
- Heat rate, LHV: 7,260 Btu/kWh

**Water Consumption**
- Average: 0.9 gpm
- Peak during WTS backflush: 10 gpm

**Water Discharge**
- Average: 0.45 gpm
- Peak during WTS backflush: 10 gpm

**Pollutant Emissions**
- NOx: 0.01 lb/MWh
- SOx: 0.0001 lb/MWh
- PM10: 0.00002 lb/MWh

**Greenhouse Gas Emissions**
- CO₂: 980 lb/MWh
- CO₂ (with waste heat recovery): 520-680 lb/MWh
Specifications

Dimensions
Front View
A Overall Width 20.0 ft
B Height of Air Intake Filter 15.1 ft
C Height of Exhaust Stack 14.5 ft
(Required on units with no heat recovery)

Side View
D Overall Length 28.0 ft
E Height of EBOP 11.8 ft
F Height of Discharge Vent 14.5 ft

Weights
Mechanical Balance of Plant 27,000 lb
Electrical Balance of Plant 15,000 lb
Fuel Cell Module 35,000 lb

Sound Level
Standard 72 dB(A) at 10 feet
Optional 65 dB(A) at 10 feet

Experience & Capabilities
DFC® fuel cells are generating power at over 50 locations worldwide. The Company’s power plants have generated over 650 million kWh of power using a variety of fuels including renewable wastewater gas, biogas from beer and food processing, as well as natural gas and other hydrocarbon fuels. FuelCell Energy has partnerships with major power plant developers and power companies around the world. The Company also receives funding from the U.S. Department of Energy and other government agencies for the development of leading edge technologies such as fuel cells. For more information please visit our website at www.fuelcellenergy.com

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