

WEST COUNTY POWER PARTNERS, LLC

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Florida Power & Light Company
West County Energy Center – Unit 1&2
Permit No. – PSD-FL-354
DEP File No. – 0990646-001-AC

RECEIVED

JAN 12 2009

WCPP Project 144553
WCPP Files 14.0200/32.0585
WCPP-2008-____
December 29, 2008

BUREAU OF AIR REGULATION

E-mail, Express Mail

Ms. Trina Vielhauer
Florida Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation, Bureau Chief
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399-2400

Subject: Notification of Emergency Diesel Fire Pump
Emissions Certification

Dear Ms. Vielhauer:

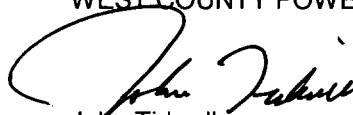
On behalf of Florida Power & Light Company (FPL), and its Designated Representative Sheila Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating units at the FPL West County Energy Center – Unit 1&2, is hereby submitting notification of the Emergency Diesel Fire Pump Emissions Certification. The Emergency Diesel Fire Pump has a site rating of 500bhp and is not subject to regulation under 40 CFR Part 63, Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines).

The diesel motor for the Emergency Fire Pump is a John Deere, Model 6081AF001 and conforms to CARB and EPA Tier 1 Certifications.

If you have any questions about this project or this submittal, please contact John Tidwell or Patrick O'Dell at (561) 784-8048.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC



John Tidwell
Project Director

cc: Tim Gray, FDEP Southeast District
Mike Halpin, FDEP Siting Coordination Office
Chet Lloyd, WCPP, San Antonio
Terry Apple, WCPP, KC
Janet Kirwan, FPL, Juno Beach

Florida Power & Light Company
West County Energy Center – Unit 1&2

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October 13, 2008

David Fawcett, FPL, WCEC
Document Control, WCPP Site

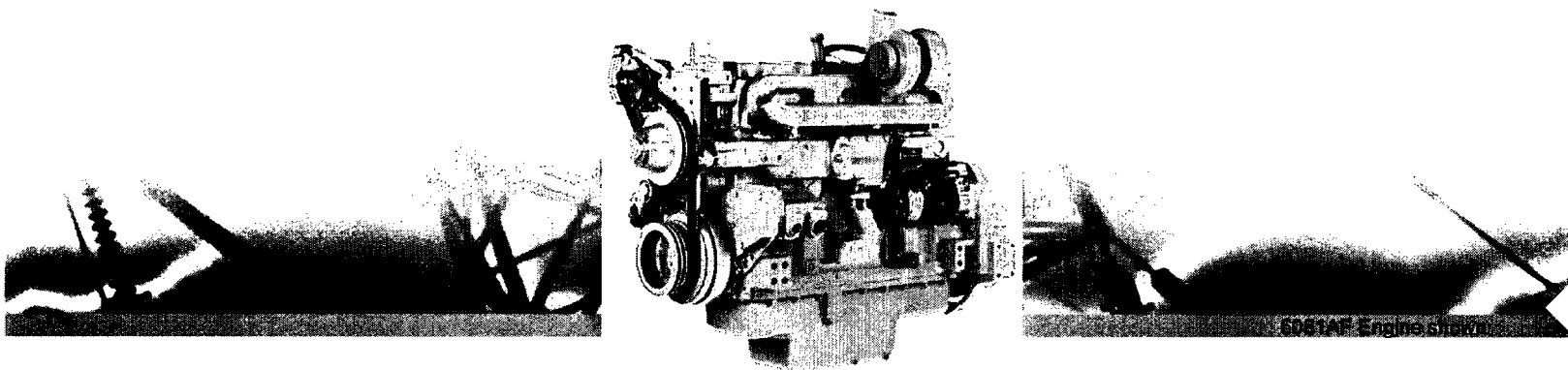


JOHN DEERE

PowerTech™

6081A Diesel Engine

for Generator Set Applications



General Data

Model	6081AF001	Aspiration	Aftercooled
Number of cylinders	6	Length-- mm (in)	1210 (47.6)
Displacement-- L (cu in)	8.1 (494)	Width-- mm (in)	698 (27.5)
Bore and Stroke-- mm (in)	116 x 129 (4.57 x 5.08)	Height-- mm (in)	1138 (44.8)
Compression Ratio	16.5:1	Weight, dry-- kg (lb)	796 (1755)
Engine Type	In-line, 4-Cycle		

Ratings

Prime power at 60 Hz (1800)	220 kW (295 hp)
Standby power at 60 Hz (1800)	259 kW (347 hp)

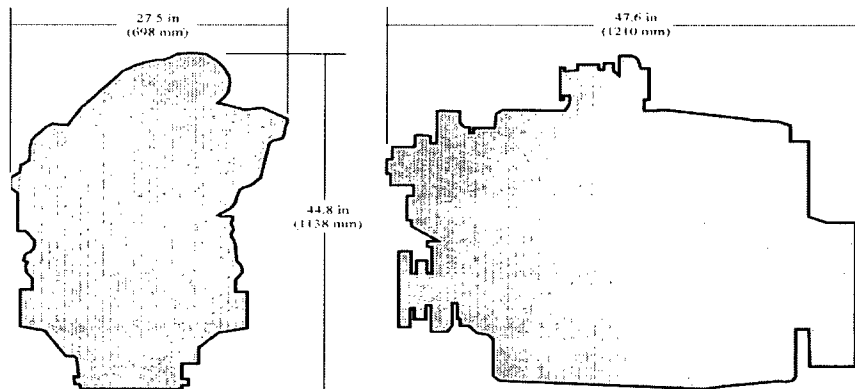
Prime power is the nominal power an engine is capable of delivering with a variable load for an unlimited number of hours per year. This rating conforms to ISO 3046 and SAE J1995.

Standby power is the nominal engine power available at varying load factors for up to 500 hours per year. This rating conforms to ISO 3046 and SAE J1995. The calculated generator set rating range for standby applications is based on minimum engine power (nominal -5%) to provide 100% meet-or-exceed performance for assembled standby generator sets.

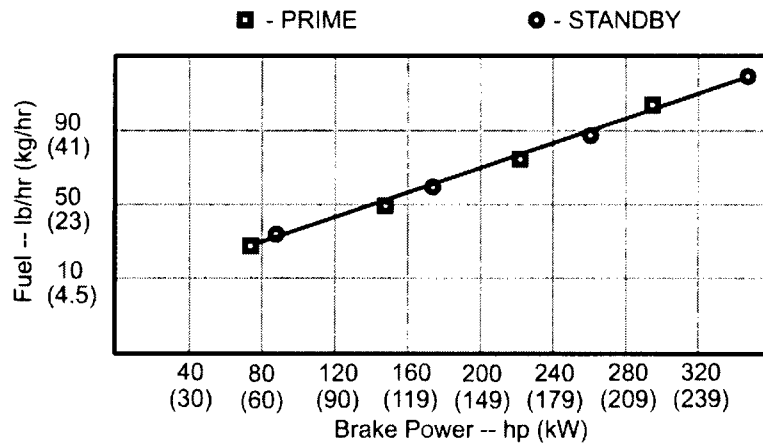
Certifications

- CARB
- EPA Tier 1

Dimensions



Performance curve



Performance data

Hz (rpm)	Generator efficiency %	Fan power		Power factor	Calculated generator set output			
		kW	hp		Prime		Standby	
					kWe	kVa	kWe	kVa
60 (1800)	90-94	13.0	17.4	0.8	186-194	233-243	221-231	277-289

Features and Benefits

Replaceable, Directed Top-Liner Cooling

- Reduces upper liner temperature by as much as 100 degrees Fahrenheit or 54 degrees Celsius
- Durable and reliable power cylinder components
- Hardened and precision machined for long life
- Rebuild to original specifications

Rugged Cast Iron Engine Block

- Deep skirted design provides added strength and reduced noise

Easy to Apply, Easy to Install

- Front and rear engine mounting pads on the side of the block facilitates installation
- Either side service for filters and service points facilitates packaging
- All connection points in common locations make it easy to install or package
- Adjustable fan drive with multiple fan ratios with automatic belt tensioner

Compact Size

- Narrow design and low profile arrangement contribute to compact packaging
- High mount or low mount turbocharger position to meet packaging requirements

World-class performance

- Excellent fuel economy and low oil consumption

Fuel System Controls

- In-line fuel injection pump with resulting in excellent fuel economy and excellent performance
- Self diagnostics and protection
- 3-5% Droop Governing
- 12V or 24V Electric Shutoff

Emissions

- CARB & EPA Certified



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JOHN DEERE

**EMISSION CONTROL INFORMATION
DEERE & COMPANY**

•In the U.S., this engine may be used only in stationary fire pump applications in accordance with requirements of 40 CFR Part 60 and is excluded from requirements of 40 CFR Parts 89 and 1039. Installing or using this engine in any other application may be a violation of U.S. federal law subject to civil penalty. This engine may also be used for applications that are not subject to applicable EPA or EU emissions regulations, and for export to countries that do not have emissions regulations.



R524846

ISO9001 Registered

For Engine Service and Parts -- www.JohnDeere.com/dealer