

WEST COUNTY POWER PARTNERS, LLC

11401 Lamar Avenue
Overland Park, Kansas 66211
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San Antonio, TX 78221
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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

AUG 17 2009

WCPP Project 144553
WCPP Files 14.0200/32.0440
WCPP-2009-TP-517
August 14, 2009

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

BUREAU OF AIR REGULATION

Subject: Compliance with Distillate Fuel Oil Sulfur
Limit (Emergency Diesel Fire Pump
Engine) and Diesel Fire Pump Engine
Certification

Dear Ms. Vielhauer:

On behalf of Florida Power & Light Company (FPL) and its Designated Representative, Sheila M. Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating unit at the FPL West County Energy Center – Unit 1&2, is submitting notification of compliance with the distillate fuel oil sulfur limit (shall contain no more than 0.05% sulfur by weight) and the manufacturer certification for the diesel fire pump engine.

FPL West County Energy Center's Air Permit (Permit No. PSD-FPL-354), Section III. Emergency Diesel Fire Pump (ID: 012), #4. Authorized Fuel, states the following:

"Compliance with the distillate fuel oil sulfur limit shall be demonstrated by taking a sample, analyzing the sample for fuel sulfur, and reporting the results to each Compliance Authority before initial startup. Sampling the fuel oil sulfur content shall be conducted in Accordance with ASTM D4057-88, Standard Practice for Manual Sampling of Petroleum And Petroleum Products, and one of the following test methods for sulfur in petroleum products: ASTM methods D5453-00, D129-91, D1552-90, D2622-94, or D4294-90. More recent versions of these methods may be used."

In accordance with these conditions, West County Power Partners is hereby submitting the analytical results for the sulfur sampling of the distillate fuel oil. Please note the test results were 5.5 ppm which is equivalent to 0.00055%. Attached is the analytical report of the sulfur in the distillate fuel oil.

FPL West County Energy Center's Air Permit (Permit No. PSD-FPL-354), Section III. Emergency Diesel Fire Pump (ID: 012), #6. Fire Pump Engine Certification, states the following:

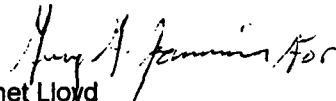
"Manufacturer certification shall be provided to the Department in lieu of actual testing. [Rule 62-212.400 (BACT), F.A.C. and 40 CFR 60.411]"

In accordance with these conditions, West County Power Partners is hereby submitting the manufacturer's certification.

If you have any questions about this notification, please contact Terry Apple at (913) 458-7220 or John Tidwell at (561) 784-8048.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC


Chet Lloyd
Project Executive

Enclosures

WS:hs

cc: Dave McNeal, USEPA Air, Pesticides and Toxics Management
Kevin Tran, USEPA Clean Air Markets Division
Errin Pichard, FDEP Air Resource Management
Lee Hoefert, FDEP Southeast District
Tim Gray, FDEP Southeast District
Tom Cascio, FDEP Bureau of Air Regulation
Mike Halpin, FDEP Siting Coordination Office
K. M. Davis, FPL ACG/GO
Sheila M. Wilkinson, FPL Designated Rep
Laxmana Tallam, PBC Health Department
Jim Stormer, PBC Health Department
Tom Tittle, PBC Health Department
Tom Young, FPL Construction Project General Manager
Jan Kirwan, FPL Environmental Specialist
Carmine Priore, FPL Plant General Manager
Chet Lloyd, WCPP Project Executive
John Tidwell, WCPP Senior Project Manager
Pat Odell, WCPP Site Environmental Manager
Terry Apple, WCPP Project Manager/ Project File
William Stevenson, WCPP Environmental Specialist



KMT Labs
600 E 17th St S
Newton, IA 50208

ANALYTICAL REPORT

March 23, 2009

Work Order: 99C0009

Page 1 of 1

Report To

Terrence Anderson
Xenco Laboratories
10200 USA Today Way
Miramar, FL 33025

Project : Sulfur in Diesel

Project Number: 327736

Analyte	Result	MRL	Method	Analyzed
Name:327736-001	NA		Matrix: Diesel Fuel	Collected: 03/10/09 10:50
Sulfur	5.5 ppm (wt)	5.0	ASTM D2622	03/23/09 11:53

End of Report

Keystone Laboratories, Inc.

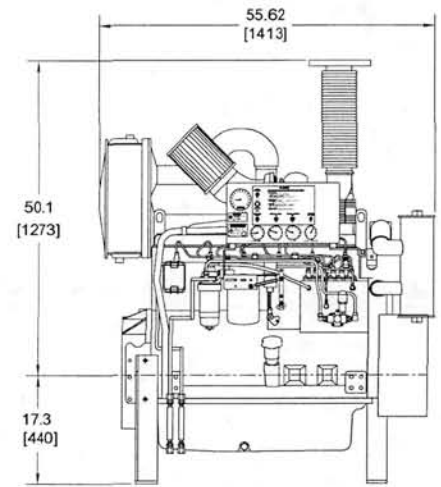
Josh King
Business Manager

FM-UL-CUL APPROVED RATINGS BHP/KW

JW6H MODEL	RATED SPEED					
	1760		2000		2350	
UF38*	252	188				
UF30*	265	198	275	205	275	205
UF48*	290	216				
UF40*	290	216	300	224	300	224
UF58*	300	224				
UF50*	300	224	340	254	350	261
UFH8*	330	246				
UF60*	360	268	375	280	360	268
UFAAM8*, **	373	278				
UFAA80*, **	422	315	400	298		

*All engine models and ratings are for installation outside of the USA

**FM pending and UL pending



JW6H-UF50
OVERALL WIDTH
29.5
[749]

SPECIFICATIONS

ITEM	JW6H MODELS									
	UF38	UF30	UF48	UF40	UF58	UF50	UFH8	UF60	UFAAM8	UFAA80
Number of Cylinders	6									
Aspiration	TJWA					TRWA				
Rotation*	Clockwise (CW)									
Weight - lb (kg)	2012 (910)			2003 (906)			2053 (929)		2099 (948)	
Compression Ratio	16.5:1			15.7:1				16.0:1		
Displacement - cu. in. (l)				496 (8.1)				551 (9.0)		
Engine Type	4 Stroke Cycle - Inline Construction									
Bore & Stroke - in. (mm)	4.56 x 5.06 (116 x 127)								4.66 x 5.35 (118 x 136)	
Installation Drawing	D - 495								D - 627-US	
Wiring Diagram	C07602								AC Heater C07591 DC C071360, C071369, C071364	
Engine Series	John Deere 6081 Series								John Deere 6090 Series Power Tech E	
Speed Interpolation	No	Yes	No	Yes	No	Yes	No	Yes	No	Opt.

Abbreviations: CW – Clockwise TJWA – Turbocharged & Aftercooled TRWA – Turbocharged with Raw Water Aftercooling

*Rotation viewed from Heat Exchanger / Front of engine • CCW Rotation is not available

† ENGINE RATINGS BASELINES

- Engines are rated at standard SAE conditions of 29.61 in. (7521 mm) Hg barometer and 77°F (25°C) inlet air temperature [approximates 300 ft. (91.4 m) above sea level] by the testing laboratory (see SAE Standard J 1349).
- A deduction of 3 percent from engine horsepower rating at standard SAE conditions shall be made for diesel engines for each 1000 ft. (305 m) altitude above 300 ft. (91.4 m).
- A deduction of 1 percent from engine horsepower rating as corrected to standard SAE conditions shall be made for diesel engines for every 10°F (5.6°C) above 77°F (25°C) ambient temperature.
- Note: Engines certified at any speed between 1760 & 2350 RPM.
- Note: Engines are not to be used for continuous duty. Engines are to be used

only for stationary emergency standby fire pump service. According to NFPA 25 engines are to be tested 30 minutes per week at no pump flow and full pump flow once per year.

CERTIFIED POWER AT ANY SPEED

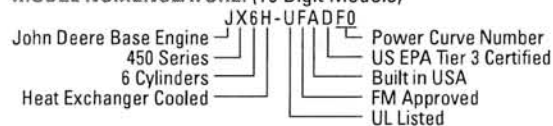
- Although FM-UL Certified BHP ratings are shown at specific speeds, Clarke engines can be applied at any intermediate speed. To determine the intermediate certified power, make a linear interpolation from the Clarke FM-UL certified power curve. Contact Clarke or your Pump OEM representative to obtain details.
- JW6H-UFAA80 Certified BHP ratings are shown at specific speeds, and can be applied at a single rated RPM setting ±50 RPM. This engine with optional speed interpolation can be factory set at any intermediate speed.



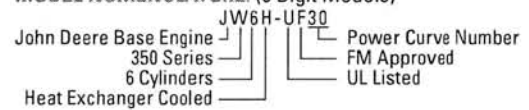
ENGINE EQUIPMENT

EQUIPMENT	STANDARD	OPTIONAL
Air Cleaner	Direct Mounted, Washable, Indoor Service	Disposable, Drip proof, Indoor Service, Outdoor Type
Alternator	12V-DC, 42 Amps; w/Belt Guard	24V-DC, 40 Amps; w/Belt Guard
Exhaust Blankets	For Manifolds & Turbocharger	
Coupling	Bare Flywheel	Listed Drive Shaft & Guard, CDS50-SC UF30/38/40/48/50/58/H8/60/AAM8 at 1760 and 2100 RPM only, UFAA80 at 2100 RPM only, Non-Listed Drive Shaft & Guard SC2145 UFAA80 at 1760 RPM only
Exhaust Flex Connection	SS Flex, 150# Flange, 6"	SS Flex, 150# Flange, 8"
Flywheel Housing	S.A.E. #3	
Flywheel Power Take Off	11.5" S.A.E. Industrial Flywheel Connection	
Fuel Connections	Fire Resistant Flexible Supply & Return Lines	
Fuel Filter	Primary & Secondary w/priming pump	
Fuel Injection System	Bosch Direct Injection, Inline	
Engine Heater	230V-AC, 2500 Watt	115V-AC, 2500 Watt
Governor, Speed	Constant Speed, Mechanical	
Heat Exchanger	Tube & Shell Type, 60 PSI w/NPTF Connections	
Instrument Panel	English & Metric, Tachometer, Hourmeter, Water Temperature, Oil Pressure & Two (2) Voltmeters	
Junction Box	Integral with Instrument Panel; For DC Wiring Interconnection to Engine Controller	
Lube Oil Cooler	Engine Water Cooled, Plate Type	
Lube Oil Filter	Full Flow w/By-Pass Valve	
Lube Oil Pump	Gear Driven, Gear Type	
Manual Start Controls	On Instrument Panel	
Overspeed Control	Electronic w/Reset & Test on Instrument Panel	
Raw Water Solenoid Operation	Automatic from Engine Controller & from Instrument Panel	
Run-Stop Control	On Instrument Panel w/Control Position Warning Light	
Run Solenoid	12V-DC Energized to Run	24V-DC Energized to Run 12V-DC Energized to Stop 24V-DC Energized to Stop
Starters	One (1) 12V-DC w/2 start contactors	One (1) 24V-DC w/2 start contactors
Throttle Control	Adjustable Speed Control, Tamper Proof	
Water Pump	Gear Driven, Centrifugal Type	

MODEL NOMENCLATURE: (10 Digit Models)



MODEL NOMENCLATURE: (8 Digit Models)



CLARKE® Fire Protection Products, Inc.
3133 E. Kemper Rd., Cincinnati, Ohio 45241
United States of America
Tel +1-513-771-2200 Fax +1-513-771-0726
www.clarkefire.com

CLARKE® UK, Ltd.
Grange Works, Lomond Rd., Coatbridge, ML5-2NN
United Kingdom
Tel +44-1236-429946 Fax +44-1236-427274
www.clarkefire.com

JW6H-UF30
Stationary Fire Pump Engine Driver
EMISSION DATA
EPA 40 CFR Part 60

6 Cylinders
 Four Cycle
 Lean Burn
 Turbocharged & Jacket Water Aftercooled

500 PPM SULFUR #2 DIESEL FUEL								
RPM	BHP ⁽³⁾	FUEL GAL/HR (L/HR)	GRAMS / HP- HR				EXHAUST	
			NMHC	NOx	CO	PM ⁽⁴⁾	°F (°C)	CFM (m ³ /min)
1760	265	14 (53)	0.36	7.40	0.86	0.16	840 (435)	1404 (40)
2100	275	15 (58)	0.37	6.43	0.35	0.13	750 (385)	1644 (47)
2350	275	16 (61)	0.49	5.63	0.41	0.14	737 (392)	1908 (54)

Notes:

- 1) 6081AF001 Base Engine Model manufactured by John Deere Corporation.
 For John Deere Emissions Conformance to EPA 40 CFR Part 60 see Page 2 of 2.
- 2) The Emission Warranty for this engine is provided directly to the owner
 by John Deere Corporation. A copy of the John Deere Emission Warranty can
 be found in the Clarke Operation and Maintenance Manual.
- 3) Engines are rated at standard conditions of 29.61in. (7521 mm) Hg barometer
 and 77°F (25° C) inlet air temperature. (SAE J1349)
- 4) PM is a measure of total particulate matter, including PM₁₀.

CLARKE

FIRE PROTECTION PRODUCTS
 3133 EAST KEMPER ROAD
 CINCINNATI, OH 45241

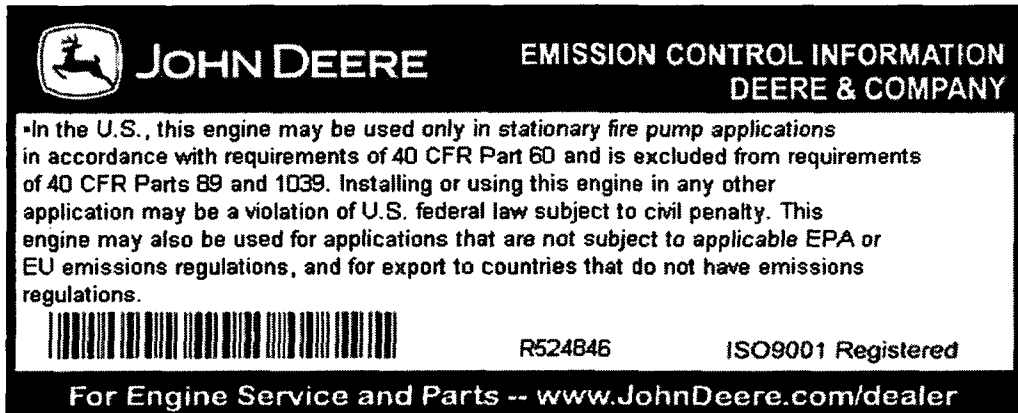


John Deere Power Systems
 3801 W. Ridgeway Ave., PO Box 5100
 Waterloo, Iowa USA 50704-5100

31 October 2007

Subject: Fire Pump Ratings – Conformance to EPA 40 CFR Part 60 (NSPS requirements)

All John Deere stationary fire pump engines conform to the requirements of 40 CFR Part 60. All such engines include an emission label, stating the engine conforms to the requirements of 40 CFR Part 60. An example of the emission label is show below:

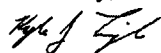


This label applies to all of the following engine models, sold to Clarke Fire Protection, for use in stationary fire pump applications:

John Deere Engine Model
4045DF120
4045DF159
4045TF252
4045TF254
4045TF220
6068TF252
6068TF254
6068HF252
6068HF254
6068HF120
6068TF220
6081AF001
6081HF001
6125AF001
6125HF070

All engines conforming to 40 CFR Part 60 (identified by emission label, as shown above) are covered under the emissions warranty of 40 CFR Part 89.

Sincerely,



Kyle J. Tingle
 Regional Sales Manager, JDPS



Fire Protection Products, Inc.

NSPS Compliant Fire Pump Driver Models and Ratings Based on Emission Correction for EPA Stationary Fire Pumps Standards For USA Installations prior to 2009

Heat Exchanger Cooled

ENGINE INFORMATION			EMISSION OUTPUTS				EMISSION LIMITS		
CLARKE MODEL NUMBER	RPM	NAMEPLATE BHP	g / HP-hr				g / HP-hr		
			NHMC	Nox	CO	PM	NOx + NMHC	CO	PM
JU4H-UF10	1760	41	0.91	5.78	1.70	0.48	7.1	4.1	0.60
JU4H-UF10	2100	51	0.88	5.46	1.67	0.40	7.8	3.7	0.60
JU4H-UF10	2350	55	0.78	4.80	1.85	0.40	7.8	3.7	0.60
JU4H-UF12	2350	55	0.78	4.80	1.85	0.40	7.8	3.7	0.60
JU4H-UF12	2600	59	0.95	4.30	2.30	0.40	7.8	3.7	0.60
JU4H-UF14	2800	70	0.77	3.79	2.38	0.16	7.8	3.7	0.60
JU4H-UF14	3000	71	0.83	3.64	2.80	0.18	7.8	3.7	0.60
JU4H-UF28	1760	60	0.39	5.41	0.87	0.24	7.8	3.7	0.60
JU4H-UF20	1760	60	0.39	5.41	0.87	0.24	7.8	3.7	0.60
JU4H-UF20	2100	67	0.53	5.05	1.07	0.24	7.8	3.7	0.60
JU4H-UF20	2350	72	0.58	4.49	1.24	0.25	7.8	3.7	0.60
JU4H-UF22	2350	72	0.58	4.49	1.24	0.25	7.8	3.7	0.60
JU4H-UF22	2600	75	0.60	4.06	1.59	0.28	7.8	3.7	0.60
JU4H-UF24	2800	80	0.37	4.16	1.71	0.15	7.8	3.7	0.60
JU4H-UF24	3000	83	0.41	4.29	2.36	0.18	7.8	3.7	0.60
JU4H-UF30	1760	64	0.40	5.41	0.50	0.17	7.8	3.7	0.60
JU4H-UF30	2100	79	0.37	4.66	0.46	0.16	7.8	3.7	0.60
JU4H-UF30	2350	85	0.45	4.33	0.51	0.20	7.8	3.7	0.60
JU4H-UF32	2350	85	0.45	4.33	0.51	0.20	7.8	3.7	0.60
JU4H-UF32	2600	85	0.53	4.06	0.60	0.28	7.8	3.7	0.60
JU4H-UF34	2800	104	0.36	3.15	0.75	0.12	7.8	3.7	0.60
JU4H-UF34	3000	115	0.33	3.23	0.90	0.13	7.8	3.7	0.60
JU4H-UFH8	1760	73	0.33	5.47	0.34	0.17	7.8	3.7	0.60
JU4H-UFH0	1760	73	0.33	5.47	0.34	0.17	7.8	3.7	0.60
JU4H-UFH0	2100	88	0.34	4.75	0.38	0.16	7.8	3.7	0.60
JU4H-UFH0	2350	98	0.31	4.42	0.40	0.18	7.8	3.7	0.60
JU4H-UFH2	2350	98	0.31	4.42	0.40	0.18	7.8	3.7	0.60
JU4H-UFH2	2600	99	0.39	4.05	0.49	0.22	7.8	3.7	0.60
JU4H-UF40	1760	94	0.25	5.68	0.36	0.21	7.8	3.7	0.60
JU4H-UF40	2100	105	0.26	4.94	0.28	0.15	7.8	3.7	0.60
JU4H-UF40	2350	106	0.28	4.58	0.35	0.16	7.8	3.7	0.60
JU4H-UF42	2350	106	0.28	4.58	0.35	0.16	7.8	3.7	0.60
JU4H-UF42	2600	106	0.34	4.18	0.46	0.21	7.8	3.7	0.60
JU4H-UF58	1470	79	0.19	5.88	1.88	0.46	7.8	3.7	0.60
JU4H-UF58	1760	110	0.16	6.07	0.87	0.30	7.8	3.7	0.60
JU4H-UF50	2100	130	0.19	5.93	0.29	0.14	7.8	3.7	0.60
JU4H-UF50	2350	127	0.16	5.23	0.26	0.13	7.8	3.7	0.60
JU4H-UF52	2350	127	0.16	5.23	0.26	0.13	7.8	3.7	0.60
JU4H-UF52	2600	127	0.20	4.78	0.33	0.17	7.8	3.7	0.60
JU4H-UF54	2800	145	0.20	3.48	0.70	0.11	7.8	3.7	0.60
JU4H-UF54	3000	145	0.21	3.57	0.85	0.13	7.8	3.7	0.60
JU6H-UFD0	1760	110	0.30	5.29	0.40	0.19	7.8	3.7	0.60
JU6H-UFD0	2100	144	0.27	4.50	0.40	0.19	7.8	3.7	0.60
JU6H-UFD0	2350	148	0.32	4.32	0.42	0.24	7.8	3.7	0.60
JU6H-UFD2	2350	148	0.32	4.32	0.42	0.24	7.8	3.7	0.60
JU6H-UFD2	2600	148	0.44	4.32	0.52	0.29	7.8	3.7	0.60
JU6H-UF30	1760	140	0.23	4.96	0.33	0.19	7.8	3.7	0.60
JU6H-UF30	2100	160	0.25	4.39	0.39	0.20	7.8	3.7	0.60
JU6H-UF30	2350	160	0.26	4.26	0.39	0.19	7.8	3.7	0.60
JU6H-UF32	2350	160	0.26	4.26	0.39	0.19	7.8	3.7	0.60
JU6H-UF32	2600	160	0.33	4.28	0.47	0.25	7.8	3.7	0.60
JU6H-UF34	2800	160	0.33	3.67	0.95	0.26	7.8	3.7	0.60
JU6H-UF34	3000	175	0.29	4.13	1.17	0.30	7.8	2.6	0.40
JU6H-UF68	1760	149	0.21	4.99	0.33	0.19	7.8	3.7	0.60
JU6H-UFM8	1760	175	0.17	5.28	0.34	0.17	7.8	2.6	0.40
JU6H-UFM0	1760	175	0.17	5.28	0.34	0.17	7.8	2.6	0.40
JU6H-UFM0	2100	207	0.17	4.93	0.41	0.16	7.8	2.6	0.40
JU6H-UFM0	2350	200	0.22	4.58	0.43	0.16	7.8	2.6	0.40
JU6H-UFM2	2350	200	0.22	4.58	0.43	0.16	7.8	2.6	0.40
JU6H-UFM2	2600	200	0.27	4.70	0.54	0.22	7.8	2.6	0.40
JU6H-UF58	1470	138	0.15	5.78	0.94	0.35	7.8	3.7	0.60
JU6H-UF58	1760	183	0.16	5.29	0.39	0.17	7.8	2.6	0.40
JU6H-UF50	2100	210	0.17	4.96	0.41	0.15	7.8	2.6	0.40
JU6H-UF50	2350	210	0.20	4.70	0.46	0.15	7.8	2.6	0.40
JU6H-UF52	2350	210	0.20	4.70	0.46	0.15	7.8	2.6	0.40
JU6H-UF52	2600	210	0.20	4.72	0.57	0.22	7.8	2.6	0.40
JU6H-UF54	2800	216	0.17	4.36	0.98	0.24	7.8	2.6	0.40
JU6H-UF54	3000	216	0.19	4.67	1.13	0.25	7.8	2.6	0.40
JU6H-UF68	1760	200	0.13	4.24	0.48	0.22	7.8	2.6	0.40
JU6H-UF60	2100	240	0.18	3.26	0.54	0.20	7.8	2.6	0.40
JU6H-UF60	2350	240	0.22	2.88	0.59	0.22	7.8	2.6	0.40
JU6H-UF62	2350	240	0.22	2.88	0.59	0.22	7.8	2.6	0.40
JU6H-UF62	2600	240	0.26	2.76	0.80	0.30	7.8	2.6	0.40
JU6H-UF84	2800	259	0.16	2.75	0.60	0.28	7.8	2.6	0.40
JU6H-UF84	3000	275	0.13	2.83	0.75	0.34	7.8	2.6	0.40

ENGINE INFORMATION			EMISSION OUTPUTS				EMISSION LIMITS		
CLARKE MODEL NUMBER	RPM	NAMEPLATE BHP	g / HP-hr				g / HP-hr		
			NHMC	Nox	CO	PM	NOx + NMHC	CO	PM
JW6H-UF38	1780	252	0.27	7.43	0.87	0.17	7.8	2.6	0.40
JW6H-UF30	1780	265	0.36	7.40	0.86	0.16	7.8	2.6	0.40
JW6H-UF30	2100	275	0.37	6.43	0.35	0.13	7.8	2.6	0.40
JW6H-UF30	2350	275	0.49	5.83	0.41	0.14	7.8	2.6	0.40
JW6H-UF48	1780	290	0.30	5.43	0.51	0.13	7.8	2.6	0.40
JW6H-UF40	1780	290	0.30	5.43	0.51	0.13	7.8	2.6	0.40
JW6H-UF40	2100	300	0.29	4.96	0.32	0.12	7.8	2.6	0.40
JW6H-UF40	2350	300	0.39	3.72	0.41	0.16	7.8	2.6	0.40
JW6H-UF58	1780	300	0.31	5.20	1.01	0.23	7.8	2.6	0.40
JW6H-UF50	1780	300	0.31	5.20	1.01	0.23	7.8	2.6	0.40
JW6H-UF50	2100	340	0.36	4.31	0.40	0.17	7.8	2.6	0.40
JW6H-UF50	2350	350	0.52	3.67	0.48	0.21	7.8	2.6	0.40
JW6H-UF60	1780	360	0.20	5.23	0.81	0.20	7.8	2.6	0.40
JW6H-UF60	2100	375	0.34	4.30	0.24	0.19	7.8	2.6	0.40
JW6H-UF60	2350	360	0.46	3.68	0.47	0.20	7.8	2.6	0.40
JX6H-UF30	1470	350	0.08	7.10	0.69	0.05	7.8	2.6	0.40
JX6H-UF30	1780	420	0.10	6.64	0.49	0.06	7.8	2.6	0.40
JX6H-UF30	2100	430	0.16	6.13	0.43	0.08	7.8	2.6	0.40
JX6H-UF40	1780	460	0.09	5.11	0.47	0.07	7.8	2.6	0.40
JX6H-UF40	2100	485	0.15	4.71	0.33	0.08	7.8	2.6	0.40
JX6H-UF50	1780	485	0.10	4.92	0.42	0.08	7.8	2.6	0.40
JX6H-UF50	2100	510	0.14	4.69	0.31	0.08	7.8	2.6	0.40
JX6H-UF60	1780	510	0.09	4.81	0.47	0.06	7.8	2.6	0.40
JX6H-UF60	2100	525	0.13	4.67	0.29	0.07	7.8	2.6	0.40
JX6H-UF70	1780	575	0.07	4.83	0.75	0.08	7.8	2.6	0.40
JX6H-UF70	2100	575	0.12	4.63	0.29	0.06	7.8	2.6	0.40

Radiator Cooled

ENGINE INFORMATION			EMISSION OUTPUTS (1)				EMISSION LIMITS		
CLARKE MODEL NUMBER	RPM	NAMEPLATE BHP	g / HP-hr				g / HP-hr		
			NHMC	Nox	CO	PM	NOx + NMHC	CO	PM
JU4R-UF09	1780	39	0.91	5.78	1.70	0.46	7.1	4.1	0.60
JU4R-UF09	2100	48	0.86	5.46	1.67	0.40	7.1	4.1	0.60
JU4R-UF09	2350	52	0.78	4.80	1.85	0.40	7.8	3.7	0.60
JU4R-UF11	2350	52	0.78	4.80	1.85	0.40	7.8	3.7	0.60
JU4R-UF11	2600	55.5	0.95	4.30	2.30	0.40	7.8	3.7	0.60
JU4R-UF13	2800	66.5	0.77	3.79	2.38	0.16	7.8	3.7	0.60
JU4R-UF13	3000	66.5	0.83	3.64	2.80	0.18	7.8	3.7	0.60
JU4R-UF19	1780	58.5	0.39	5.41	0.87	0.24	7.8	3.7	0.60
JU4R-UF19	2100	64.5	0.53	5.05	1.07	0.24	7.8	3.7	0.60
JU4R-UF19	2350	68	0.58	4.49	1.24	0.25	7.8	3.7	0.60
JU4R-UF21	2350	68	0.58	4.49	1.24	0.25	7.8	3.7	0.60
JU4R-UF21	2600	70.5	0.80	4.06	1.59	0.28	7.8	3.7	0.60
JU4R-UF23	2800	76.5	0.37	4.16	1.71	0.15	7.8	3.7	0.60
JU4R-UF23	3000	78	0.41	4.29	2.36	0.18	7.8	3.7	0.60
JU4R-UF40	1780	94	0.25	5.68	0.36	0.21	7.8	3.7	0.60
JU4R-UF40	2100	105	0.26	4.94	0.28	0.15	7.8	3.7	0.60
JU4R-UF40	2350	106	0.28	4.58	0.35	0.16	7.8	3.7	0.60
JU4R-UF49	2100	123	0.19	5.93	0.29	0.14	7.8	3.7	0.60
JU4R-UF49	2350	117	0.16	5.23	0.26	0.13	7.8	3.7	0.60
JU4R-UF51	2350	119	0.16	5.23	0.26	0.13	7.8	3.7	0.60
JU4R-UF51	2600	119	0.20	4.78	0.33	0.17	7.8	3.7	0.60
JU4R-UF53	2800	135	0.20	3.48	0.70	0.11	7.8	3.7	0.60
JU4R-UF53	3000	133	0.21	3.57	0.85	0.13	7.8	3.7	0.60

Disclaimer

- Stationary diesel-fueled compression ignition engines manufactured after July 1, 2006 for installations within U.S. are subject to the proposed EPA new source performance standards (the "NSPS"), Federal Code of Regulations Title 40 Chapter 1, part 60.
- The reverse side of this document shows the emissions from this model engine supplied by Clarke Fire Protection Products ("Clarke"). These emissions values are calculated based on an ISO 8178 part 4 D1 cycle weighted average of actual testing.
- Actual test data in the field or other information established by the local air districts or the EPA that show actual emissions from an engine supplied by Clarke in excess of the NSPS limitations could indicate a violation of the NSPS and subject the owner and/or operator of the engine to penalties under federal law. Although Clarke believes that the engines supplied by Clarke comply with the NSPS based on the available data, for the foregoing reasons, Clarke cannot, and does not, guarantee that its engines will comply with the NSPS emission regulations.
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8-Jun-06