EXHAUST EMISSION DATA SHEET

MQ POWER GENERATOR SET

Model: DCA-220SSJU4F



The engine used in this generator set is certified to comply with United States EPA Tier 4 and CARB Mobile Off-Highway emission regulations.

Manufacturer:	John Deere			Bore:	4.17	in.	(106	mm)
Model:	Model: 6068HFG09					in.	`	, mm)
Type:	4- Cycle, in-line, 6 Cylinde	Displacement	: 415	cid	、 (6.8	liters)		
Aspiration:	Turbocharger Air Cooler. ECM, EGR, DOC, SCR	Compression Ratio: 16.7:1						
PERFORMA	NCE DATA							
SAE Gross HP	9 @ 1800 RPM (60 Hz)	32	2					
Rated Load Fu	el Consumption (gal/Hr)	12	5					
Rated Load Ex	chaust Gas Flow (cfm)	11	23					
Rated Load Ex	chaust Gas Temperature	(⁰F) 83	1					
		. ,						
UI	ited States EPA - M	obile O	ff-Highway Tier 4	Limits -		1	74≤	~ <751 BHP
	ited States EPA - M eria Pollutant		ff-Highway Tier 4	Limits -	d Engi			
Crite							missio	
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UNITED STATES ENVIRONME 2015 MOD CERTIFICATE O WITH THE CL	S ENVIRONMENTAL PROTECTION AGENCY 2015 MODEL YEAR RTIFICATE OF CONFORMITY WITH THE CLEAN AIR ACT	TION AGENCY OFFICE OF TRANSPORTATION AND AIR QUALITY ANN ARBOR, MICHIGAN 48105
Certificate Issued To: Deere & Company (U.S. Manufacturer or Importer) Certificate Number: FJDXL06.8302-014	Effective Date: 12/03/2014 Expiration Date: 12/31/2015	Byron J Bunker, Division Director Issue Date: 12/03/2014 Byron J Bunker, Division Director Revision Date: N/A
Model Year: 2015 Manufacturer Type: Original Engine Manufacturer Engine Family: FJDXL06.8302	Mobil Emissi Fuel T Cataly Non-al Treatm FELs:	Mobile/Stationary Indicator: Both Emissions Power Category: 130 <kw<=560 Fuel Type: Diesel After Treatment Devices: PTOX-DPF-Active, Selective Catalytic Reduction, Ammonia Slip Catalyst, Diesel Oxidation Catalyst Non-after Treatment Devices: Electronic/Electric EGR - Cooled, Non-standard Non-After Treatment Device Installed, Electronic Control FELs: PM 0.01 g/kW-hr</kw<=560
Pursuant to Section 111 and Section 213 of the Clean Air Act (42 U.S.C. sections 7411 and 7547) and 40 CFR Parts 60 and (1039, and subject to the terms and conditions preseribed in the conform to applicable requirements and which represent the following engines, by engine familiary described in the documentation required by 40 CFR Parts 60 and 1039. The stated anodel year. The configuration required by 40 CFR Parts 60 and 1039 and produced in the stated anodel year. The stated anodel year stated another the stated another present the following engines, by engine familiar configure of conformity or solutions that applied to those negative distributions that applied to those negative distribution required by 40 CFR Parts 60 and 1039 and which are produced during the model year stated on this certificate to fast in the stated another the stated another the stated and the manufacturer, as defined in 40 CFR Parts 60 and 1039. It is also a term of this certificate that the requirements of summariant court order may lead to revocation or suspension of this certificate for transons specified in 40 CFR Parts 60 and 1039. It is also a term of this certificate that the requirements of sustements of variant for outher reasons specified in 40 CFR Parts 60 and 1039. It is also a term of this certificate that the requirements of sustements	I and 7547) and 40 CFR P, een found to conform to ar ced in the stated model yes tich conform in all material the model year stated on th ribed in 40 CFR 1068 and ans specified in 40 CFR Pan d 1039. d 1039. d for introduction, into con h the averaging, banking a h the everaging, banking a	Pursuant to Section 111 and Section 213 of the Clean Air Act (42 U.S.C. sections 7411 and 7547) and 40 CFR Parts 60 and 1039, and subject to the terms and which represent the following engines, by engine family, more full searched in the community is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following engines, by engine family, more full searched in the community covers only those new compression-guine engines which represent the following engines, by engine family, more full searchifer of communitation required by 40 CFR Parts 60 and 1039 and which methanism endine the following engines (SP Parts 60) and 1039. It is a term of this certificate that the manufacturer, as defined in 40 CFR Parts 60 and 1039. It is a term of this certificate that the manufacture shall consent to all inspections discribed in 40 CFR Parts 60 and 1039. It is a term of this certificate that the manufacture shall consent to all inspections discribed in 40 CFR Parts 60 and 1039. It is a term of this certificate that the manufacture shall consent to all inspections discribed in 40 CFR Parts 60 and 1039. It is a term of this certificate that the manufacture shall consent to all inspections discribed in 40 CFR Parts 60 and 1039. It is also a term of this certificate that the certificate for reasons specified in 40 CFR Parts 60 and 1039. It is also a term of this certificate that the certificate for reasons specified in 40 CFR Parts 60 and 1039. It is also a term of this certificate that the certificate for reasons specified in 40 CFR Parts 60 and 1039. It is also a term of this certificate that the certificate and the certificate for reasons specified in 40 CFR Parts 60 and 1039. It is also a term of this certificate the certificate for reasons specified in 40 CFR Parts 60 and 1039. It is also a term of the certificate comply with the certificate desent cover engines shared on the certificate for transmost preasons and the certificate for treasons appec

California Environmental Protection Agency	JOHN DEERE POWER SYSTEMS	EXECUTIVE ORDER U-R-004-0496 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)		
2015	FJDXL06.8302	4.5, 6.8	Diesel	8000		
	FEATURES & EMISSION		TYPICAL EQUIPMENT	APPLICATION		
Recircula	Cooler, Oxidation Cata n, Electronic Control Mo ation, Periodic Trap Oxic Catalytic Reduction-Urea Catalyst	izer. Turbocharger	Tractor, Loaders, Dozer, Pump, Co Other Industrial E	ompressor, Generator Set, quipment		

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED	EMISSION STANDARD CATEGORY Tier 4 Final		EXHAUST (g/kw-hr)					OPACITY (%)		
CLASS			NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
130 <u>≤</u> kW <u>≤</u> 560		Tier 4 Final STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		FEL					0.01			
		CERT	0.03	0.16		0.03	0.003			

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this ______ day of October 2014.

Annette Hebert, Chief Emissions Compliance, Automotive Regulations and Science Division