EXHAUST EMISSION DATA SHEET

MQ POWER GENERATOR SET

Model: DCA-125SSJE2



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

	ATA							
Manufacturer:	JOHN DEERE			Bore:	4.17	in.	(106	mm)
Model:	4045HFG93			Stroke:	5.0	in.	(127	mm)
Туре:	4-Cycle, In-Line, 4-cylinde	Displacement	274	cid	(4.5	liters)		
Aspiration:	Turbocharger, Charge Air ECM, EGR, DOC, PTO	Compression Ratio: 16.5:1						
PERFORMA	NCE DATA							
SAE Gross HF	2 @ 1800 RPM (60 Hz)	166	6					
Rated Load Fu	el Consumption (gal/Hr)	7.3						
Rated Load Ex	haust Gas Flow (cfm)	593	3					
	haust Gas Temperature	(°F) 871	1					
	khaust Gas Temperature	(°F) 871	1					
Rated Load Ex				i Limits -	1	00.6	<~	< 174 3 BHF
Rated Load E	ited States EPA - M	lobile Of	f-Highway Tier 4					< 174.3 BHF
Rated Load Ex Un Crite	ited States EPA - M eria Pollutant	lobile Of Emiss	ff-Highway Tier 4	Certifie	d Engi	ne E		-
Rated Load Ex Un Crite NOx (Oxides o	ited States EPA - M eria Pollutant of Nitrogen as NO2)	Iobile Of Emiss 2.53	ff-Highway Tier 4 sion Requirements gr/bhp-hr	Certifie 1.94	d Engi gr/bl	ne Ei hp-hr		-
Rated Load Ex Un Crite NOx (Oxides o HC (Total Unb	ited States EPA - M eria Pollutant of Nitrogen as NO2) urned Hydrocarbons)	Emise 2.53 0.141	ff-Highway Tier 4 sion Requirements gr/bhp-hr gr/bhp-hr	Certifie 1.94 0.007	d Engi gr/bl gr/bł	ne Ei hp-hr np-hr		-
Rated Load Ex Un Crite NOx (Oxides of HC (Total Unb NOx + HC (Co	ited States EPA - M eria Pollutant of Nitrogen as NO2) urned Hydrocarbons) mbined)	2.53 0.141 N/A	if-Highway Tier 4 sion Requirements gr/bhp-hr gr/bhp-hr gr/bhp-hr	Certifie 1.94 0.007 N/A	d Engi gr/bl gr/bł gr/bł	ne E hp-hr np-hr np-hr		-
Rated Load Ex Un Crite NOx (Oxides of HC (Total Unb NOx + HC (Co CO (Carbon M	ited States EPA - M eria Pollutant of Nitrogen as NO2) urned Hydrocarbons) mbined) fonoxide)	2.53 0.141 N/A 3.728	ff-Highway Tier 4 sion Requirements gr/bhp-hr gr/bhp-hr gr/bhp-hr gr/bhp-hr	Certifie 1.94 0.007 N/A 0.074	d Engi gr/bl gr/bł gr/bł gr/bł	ne Ei hp-hr np-hr np-hr np-hr		-
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Rated Load Ex Un Crite NOx (Oxides of HC (Total Unb NOx + HC (Co CO (Carbon M	ited States EPA - M eria Pollutant of Nitrogen as NO2) urned Hydrocarbons) mbined) Ionoxide) e Matter)	2.53 0.141 N/A 3.728	if-Highway Tier 4 sion Requirements gr/bhp-hr gr/bhp-hr gr/bhp-hr gr/bhp-hr gr/bhp-hr	Certifie 1.94 0.007 N/A 0.074	d Engi gr/bl gr/bł gr/bł gr/bł	ne Ei hp-hr np-hr np-hr np-hr		-
Rated Load Ex Un Crite NOx (Oxides of HC (Total Unb NOx + HC (Co CO (Carbon M PM (Particulat EPA Engine F	ited States EPA - M eria Pollutant of Nitrogen as NO2) urned Hydrocarbons) mbined) Monoxide) e Matter) amily: CJI	Emiss 2.53 0.141 N/A 3.728 0.0149	ff-Highway Tier 4 sion Requirements gr/bhp-hr gr/bhp-hr gr/bhp-hr gr/bhp-hr gr/bhp-hr	Certifie 1.94 0.007 N/A 0.074	d Engi gr/bl gr/bł gr/bł gr/bł	ne Ei hp-hr np-hr np-hr np-hr		-
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The actual engine power may lie outside the limits of the Emissions Power Category shown above. See the certificate application for details	It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068 and authorized in a warrant or court order. Failure to comply with the requirements of such a suspended or rendered void <i>ab initio</i> for other reasons specified in 40 CFR Parts 60 and 1039. This certificate does not cover engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.	Manufacturer Type: Original Engine Manufacturer Emissions Power Category: 75<=kW<130	Certificate Issued To: Deere & Company (U.S. Manufacturer or Importer) Certificate Number: CJDXL06.8210-003 Model Year: 2012	UNITED STATES ENVIRO 2012 CERTIFICA WITH THE CI
ory shown above. See the certificate application for details.	s which conform in all material respects to the design specific uring the model year stated on this certificate of the said manu described in 40 CFR 1068 and authorized in a warrant or cour reasons specified in 40 CFR Parts 60 and 1039. It is also a ter 50 and 1039. wered for introduction, into commerce in the U.S. prior to the	ns Power Cate pe: Diesel r Treatment Devic r Treatment I dard Non-Afte s 60 and 1039, is 60 and 1039,	Effective Date: 07/06/2011 Expiration Date: 12/31/2012 Mobile/Stationary Indicator: Both	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 2012 MODEL YEAR CERTIFICATE OF CONFORMITY WITH THE CLEAN AIR ACT OF 1990
	ssign specifications that applied to those engines described in the he said manufacturer, as defined in 40 CFR Parts 60 and 1039. "arrant or court order. Failure to comply with the requirements of such a It is also a term of this certificate that this certificate may be revoked or 5. prior to the effective date of the certificate.	Emissions Power Category: 75<=kW<130 Fuel Type: Diesel After Treatment Devices: Diesel Oxidation Catalyst, PTOX-DPF-Active Non-after Treatment Devices: Engine Design Modification, Electronic/Electric EGR - Cooled, Non-standard Non-After Treatment Device Installed, Smoke Puff Limiter, Electronic Control CFR Parts 60 and 1039, and subject to the terms and conditions prescribed in those provisions, this in to applicable requirements and which represent the following engines, by engine family, more idel year.	Issue Date: Issue Date: Warl J. Simon, Director 07/06/2011 Compliance and Innovative Strategies Division Revision Date: N/A N/A	OFFICE OF TRANSPORTATION AND AIR QUALITY ANN ARBOR, MICHIGAN 48105

California Environmental Protection Agency	JOHN DEERE POWER SYSTEMS	EXECUTIVE ORDER U-R-004-0442 New Off-Road
AIT ILOCOTOLO BOATD		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-02-003;

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)		
2012	CJDXL06.8210	4.5, 6.8	Diesel	8000		
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION			
Diesel Injec	Air Cooler, Diesel Oxidat ction, Electronic Control lation, Periodic Trap Oxi Limiter, Turbocha	Module, Èxhaust Gas dizer, Smoke Puff	and the second sec			

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 POWER CLASS	EMISSION		EXHAUST (g/kw-hr)					OPACITY (%)		
	STANDARD CATEGORY		нс	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
75 <u><</u> kW < 130	Tier 4 Interim / ALT NOx	STD	0.19	3.4	N/A	5.0	0.02	N/A	N/A	N/A
		CERT	0.000	3.1		0.1	0.01			

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 July 2011.

Annette Hebert, Chief Mobile Source Operations Division