EXHAUST EMISSION DATA SHEET

MQ POWER GENERATOR SET

Model: DCA-36SPXU4F



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

ENGINE DA	ΤΑ							
Manufacturer:	lsuzu			Bore:	3.35	in.	(85	mm)
Model:	4LE2X	Stroke:	3.78	in.	(96	mm)		
Туре:	4-Cycle, In-Line, 4-Cylinde	er, Diesel		Displacement	:133	cid	(2.2	liters)
	Turbocharger, ECM, EGR Electronic Direct Injection	Compression	Ratio:		17.6:	1		
PERFORMAN	NCE DATA							
SAE Gross HP	@ 1800 RPM (60 Hz)	65	.7					
Rated Load Fue	l Consumption (gal/Hr)	2.9	93					
Rated Load Exh	aust Gas Flow (cfm)	23	7					
Rated Load Exh	aust Gas Temperature	(⁰F) 10	78					
	-							
Unit	ed States EPA - M	obile O	ff-Highway Tier 4	Limits -			50 ≤	~ <75 BHP
Criter	ia Pollutant	Emis	sion Requirements	Certifie	d Engi	ine E	missio	ns
NOx (Oxides of	Nitrogen as NO2)	N/A	gr/bhp-hr	N/A	gr/b	hp-hr		
HC (Total Unbu	rned Hydrocarbons)	N/A	gr/bhp-hr	N/A	gr/b	hp-hr		
NOx + HC (Com	nbined)	N/A	gr/bhp-hr	N/A	gr/b	hp-hr		
CO (Carbon Mo	onoxide)	3.72	gr/bhp-hr	0.007	gr/b	hp-hr		
PM (Particulate	Matter)	0.022	gr/bhp-hr	0.014	gr/b	hp-hr		
NMHC (Non-Met	hane Hydrocarbons)	N/A	gr/bhp-hr	N/A	gr/b	hp-hr		
NMHC + NOx		3.50	gr/bhp-hr	2.38	gr/bł	np-hr		
EPA Engine Far	mily: FS2	ZXL02.2P	ХВ	.				
EPA Certificate	of Conformance: FS2	ZXL02.2P	XB-005					
ARB Executive								
Effective Date:	e: Model Year 2015							
Enective Date:	WO		2013					

OFFICE OF TRANSPORTATION AND AIR QUALITY ANN ARBOR, MICHIGAN 48105	Marker, Division Issue Date: Byron J.Bunker, Division Invision Byron J.Bunker, Division Revision Date: N/A N/A	Mobile/Stationary Indicator: Mobile Emissions Power Category: 37<=kW<56 Fuel Type: Diesel After Treatment Devices: Diesel Oxidation Catalyst Non-after Treatment Devices: Electronic/Electric EGR - Cooled, Electronic Control, Engine Design Modification	Paramat to Section 213 of the Clean Air Act (42 U.S.C. section 7547) and 40 CFR Part 1039, and subject to the terms and conditions presented in these provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform on applicable requirements and which represent the following engines. We can be an experimentation of the commentation required by 40 CFR Part 1039 and produced in the stand model year. Required by 40 CFR Part 1039 and produced in the stand model year stand of of this methal respects to the design specifications that applied to those engines described in the documentation requirements of this certificate of the stand model year stand from the stand model with the test term of this certificate the the manufacturer stand compared by 40 CFR Part 1039 and which are produced during the model year stand from this sertificate of the stand model or stand model with the term of this certificate that the manufacturer stall constant to all impections discribed to much oter may lead to record indice for reasons specified in 40 CFR 1068 and authorized in a warmat or court oter may lead to recording the stand. This sertificate does not cover engines sold, offered for allowed or transmitted to the clifficate that this certificate may be revoked or supported or supported or transmitted to a non-part of the interval specification of this certificate that the certificate may be revoked or supported or the stand model or transmitted to a non-part warmant or court oter may lead to revocation or supervision of this certificate for a stand and the stand or transmitted to a non-part of the stand may lead to revoked or supported or transmitted to a non-part of the stand or transmitted for the controler may lead to revoked for supervision of th
NMENTAL PROTECTION AGENCY MODEL YEAR TE OF CONFORMITY E CLEAN AIR ACT	Effective Date: 10/02/2014 Expiration Date: 12/31/2015 Complia	Mobile/Stationary Indicator: MobileEmissions Power Category: 37<=kW<56	Pursuant to Section 213 of the Clean Air Act (42 U.S.C. section 7547) and 40 CFR Part 1039, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby sective that the specifications with the bare bare found to conform to applicable requirements and which represent the following engress, by engine family, more fully described in the documentation equiverbary 40 CFR Part 1039 and produced in the stated model year. Required by 40 CFR Part 1039 and produced in the stated model year. The configure of produced in the stated model year. The sectificate of formithin years on these recompression eigens which confirm in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 1039 and which requirements of active a documentation required by 40 CFR Part 1039 and which requirements are applied on this certificate of the state of active and the requirements of active a nort order may lead to the composition of the sectification of the state of a composition of the sectification of the state of a other active and the requirements of active a transformed by 40 CFR Part 1039 and which requirements are applied to the sectificate in the sectificate of the state of a nort order may lead to revocation or supersion of the sectificate of the state of a nort order may lead to revocation or supersion of the sectificate of the state of a nort order may lead to revocation or supersion of the sectificate for the state of the sectificate and be revolved or supposed of the sectificate does not cover engines sold. Offered for a 10.93. This certificate does not cover engines sold. Offered for a long the nort offer the last this certificate may be revoked or suppender tender and the intervent of the intervent of the certificate. This certificate does not cover engines sold. Offered for a long the nort offer the last of the certificate certificate.
UNITED STATES ENVIRONM 2015 MO CERTIFICATE WITH THE C	Isuzu Motors Limited (U.S. Manufacturer or Importer) sSZXL02.2PXB-005	l Engine Manufacturer XB	Pursuant to Section 213 of the Clean Air Act (42 U.S.C. section 7547) and 40 CFR Pa issued with respect to the test engines which have been found to conform to applicable required by 40 CFR Part 1039 and produced in the stated model year. This certificate of conformity covers only those new compression-ignition engines wh documentation required by 40 CFR Part 1039 and which are produced during the moo It is a term of this certificate that the manufacturer shall consent to all inspections dest warrant or court order may lead to revocation or suspension of this certificate for reast rendered void <i>ab initio</i> for other reasons specified in 40 CFR Part 1039. This certificate does not cover engines sold, offered for sale, or introduced, or delivert and the set of the state does not cover engines and the state of the state or introduced or delivert and the state does not cover engines sold.
HARDING CONNECTION AGENCY.	Certificate Issued To: Isuzu Motors Lim (U.S. Manufacturer o Certificate Number: FSZXL02.2PXB-005	Model Year: 2015 Manufacturer Type: Original Engine Manufacturer Engine Family: FSZXL02.2PXB	Pursuant to Section 213 of the (issued with respect to the test et required by 40 CFR Part 1039 <i>s</i> This certificate of conformity ci documentation required by 40 C fl is a term of this certificate tha warrant or court order may lead rendered void <i>ab initio</i> for other This certificate does not cover e

California Environmental Protection Agency	ISUZU MOTORS LIMITED	EXECUTIVE ORDER U-R-006-0397 New Off-Road
O Air Resources Board		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	FSZXL02.2PXB	2.179	79 Diesel		
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT A	PPLICATION	
Electronic Control Module, Turbocharger, Charge Air Cooler, Electronic Direct Injection, Exhaust Gas Recirculation, Diesel Oxidation Catalyst			Generator		

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), 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 STANDARD	EXHAUST (g/kw-hr)				OPACITY (%)				
	CATEGORY		NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
37 ≤ kW < 56	Tier 4 Final	STD	N/A	N/A	4.7	5.0	0.03	N/A	N/A	N/A
		CERT			3.2	0.01	0.02			

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

28 H day of August 2014.

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