EXHAUST EMISSION DATA SHEET

MQ POWER GENERATOR SET

Model: DCA20SPXU4F



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:	1911711			Bore:	3.35	in.	(85	mm)
Model:	4LE2T	Stroke:	3.78		(96	,		
				in.		mm)		
Type:	4-Cycle, In-Line, 4-Cylinde Turbocharger, ECM, EGR	Displacement		cid	(2.2 17.6	liters)		
Aspiration:	Electronic Direct Injection	,000		Compression	Ratio		17.0). I
PERFORMA	NCE DATA							
SAE Gross HF	9 @ 1800 RPM (60 Hz)	40).2					
Rated Load Fu	el Consumption (gal/Hr)	1.0	62					
Rated Load Ex	khaust Gas Flow (cfm)	14	8					
Rated Load Ex	khaust Gas Temperature	(⁰F) 84	7					
Un	ited States EPA - M	obile O	off-Highway Tier 4	Limits -			25 :	\leq ~ <50 BHF
	ited States EPA - M eria Pollutant		ff-Highway Tier 4	Limits -	d Engi	ne E	-	
Crite						ne E i hp-hr	missio	
Crite NOx (Oxides o	eria Pollutant	Emis	sion Requirements	Certifie	gr/b		missio	
Crite NOx (Oxides o	eria Pollutant of Nitrogen as NO2) urned Hydrocarbons)	Emis N/A	sion Requirements gr/bhp-hr	Certifie N/A	gr/b gr/bl	hp-hr	missio	
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 2018 MODEL YEAR CERTIFICATE OF CONFORMITY WITH THE CLEAN AIR ACT

OFFICE OF TRANSPORTATION AND AIR QUALITY ANN ARBOR, MICHIGAN 48105

Certificate Issued To: Isuzu Motors Limited (U.S. Manufacturer or Importer) Certificate Number: JSZXL02.2ZTB-004	Effective Date: 05/02/2017 Expiration Date: 12/31/2018	Byron J. Bunker, Division Director Compliance Division	Issue Date: 05/02/2017 Revision Date: N/A
Model Year: 2018 Manufacturer Type: Original Engine Manufacturer Engine Family: JSZXL02.2ZTB	Em Fue Afte	 bile/Stationary Indicator: Mobile assions Power Category: 19<=kW<37 I Type: Diesel bir Treatment Devices: Diesel Oxidation Catalyst after Treatment Devices: Electronic Control, Electronic/Electric EGR 	R - Cooled

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 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 fully described in the documentation required by 40 CFR Part 1039 and produced in the stated model year.

This certificate of conformity covers only those new compression-ignition engines which conform 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 are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 1039.

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 warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 1039. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void *ab initio* for other reasons specified in 40 CFR Part 1039.

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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.

California Environmental Protection Agency

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)
2018	JSZXL02.2ZTB	2.179	Diesel	5000
SPECIAL	FEATURES & EMISSION C	ONTROL SYSTEMS	TYPICAL EQUIPMENT A	PPLICATION
Electronic Control Module, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Turbocharger, Electronic Direction Injection			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	EMISSION		EXHAUST (g/kw-hr)					OPACITY (%)		
POWER CLASS	STANDARD CATEGORY		NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
19 ≤ kW < 37	Tier 4 Final	STD	N/A	N/A	4.7	5.5	0.03	N/A	N/A	N/A
		CERT			3.7	0.03	0.03			

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 May 2017.

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

ENGINE MODEL SUMMARY

ATTACHMENT 1 OF 1 CARB EO: DATE:

U-R-006-0449 05/04/17

ENGINE FAMILY	ENGINE CODE	ENGINE MODEL	BHP@RPM (SAE Gross)	FUEL RATE: mm3/stroke @peak HP	FUEL RATE: Ibs/hr @peak HP	TORQUE@RPM Ibs ft	FUEL RATE: mm3/stroke @peak TORQUE	FUEL RATE: Ibs/hr @peak TORQUE
JSZXL02.2ZTB	4LE2TDZBA-01	BZ-4LE2T	40.2@1800 (30.0 kW)	36	14.4	117 @ 1800 (159Nm)	36	14.4
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ENGINE FAMILY	ENGINE CODE	ENGINE MODEL	EMISSION CONTROL DEVICE Per SAE J1930
JSZXL02.2ZTB	4LE2TDZBA-01	BZ-4LE2T	ECM, TC, DFI, EGR, DOC

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