EXHAUST EMISSION DATA SHEET

MQ POWER GENERATOR SET

Model: DCA45SSIU4FC8



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

BHP						
U-R-006-0491						

Storage Protection	UNITED STATES ENVIRON 2021 M CERTIFICATI WITH THE	ENCY	OFFICE OF TRANS AND AIR QU ANN ARBOR, MICH	ALITY		
Certificate Issued To: Isuz (U.S.) Certificate Number: MSZX	Manufacturer or Importer)	Effective Da 06/08/2020 Expiration D 12/31/2021			, Division Director ice Division	Issue Date: 06/08/2020 Revision Date: N/A
Model Year: 2021 Manufacturer Type: Origin Engine Family: MSZXL02.2	0		Emissions Power Fuel Type: Diesel After Treatment I	Devices: Diesel Oxida		۲ - Cooled
issued with respect to the test of required by 40 CFR Part 1039	Clean Air Act (42 U.S.C. section 7547) and 40 CFR engines which have been found to conform to applical and produced in the stated model year. covers only those new compression-ignition engines v	ble requirements and	which represent the	following engines, by	y engine family, more fully describe	ed in the documentation

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.

ANAL PROTECTION

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 AIR RESOURCES BOARD

Pursuant to the authority vested in California 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-19-095;

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	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2021	MSZXL02.2ZTB	2.179	Diesel	5000
SPECIAL	FEATURES & EMISSION C	ONTROLSYSTEMS	TYPICAL EQUIPMENT APPLIC	ATION
Elec Electronic	stronic Control Module, Direct Injection, Exhaus Diesel Oxidation Ca	t Gas Recirculation.	Generator Set	

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):

POWER STAN	EMISSION STANDARD			I	EXHAUST (g/kw-hr)			OPACITY (%)		
	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	0.3	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 on this _____ day of July 2020.

Allen Lyons, Chief

Emissions Certification and Compliance Division

ENGINE MODEL SUMMARY

ATTACHMENT 1 OF 1

CARB EO: U-R-006-0494 DATE: 06/10/20

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
4LE2TDZBA-01	BZ-4LE2T	40.2@1800 (30.0 kW)	36.0	14.4	117 @ 1800 (159 Nm)	36.0	14.4
	CODE	CODE MODEL	4LE2TDZBA-01 BZ-4LE2T 40.2@1800	ENGINE CODE ENGINE MODEL BHP@RPM (SAE Gross) mm3/stroke @peak HP 4LE2TDZBA-01 BZ-4LE2T 40.2@1800 36.0	ENGINE CODE ENGINE MODEL BHP@RPM (SAE Gross) mm3/stroke @peak HP Ibs/hr @peak HP 4LE2TDZBA-01 BZ-4LE2T 40.2@1800 36.0 14.4	ENGINE CODE ENGINE MODEL BHP@RPM (SAE Gross) mm3/stroke @peak HP Ibs/hr @peak HP TORQUE@RPM Ibs ft 4LE2TDZBA-01 BZ-4LE2T 40.2@1800 36.0 14.4 117 @ 1800	ENGINE CODE ENGINE MODEL BHP@RPM (SAE Gross) mm3/stroke @peak HP Ibs/hr @peak HP TORQUE@RPM Ibs ft mm3/stroke @peak TORQUE 4LE2TDZBA-01 BZ-4LE2T 40.2@1800 36.0 14.4 117 @ 1800 36.0

ENGINE FAMILY	ENGINE CODE	ENGINE MODEL	EMISSION CONTROL DEVICE Per SAE J1930
MSZXL02.2ZTB	4LE2TDZBA-01	BZ-4LE2T	ECM, TC, DFI, EGR, DOC