

## YAMAHA MOTOR CO., LTD.

EXECUTIVE ORDER U-L-024-0016 New Off-Road Large Spark-Ignition Engines Above 19 Kilowatts

Pursuant to the authority vested in California Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

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

MODEL YEAR	ENGINE FAMILY NAME		ENGINE DISPLACEMENT EN (liters)		E CLASS	FUEL TYPE		
2021	M	IYMXB.8242EK	0.824	≤ 825 cc		Gasoline		
DURABILITY HOURS			IAL FEATURES & CONTROL SYSTEM	S	TYPICAL EQUIPMENT USAGE			
1000		EM			Other			
ENGINE MODELS (rated power in kilowatt, kW)		See Attachment						

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust certification emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2433(b)(1)) and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with 13 CCR Section 2433(b)(3).

(g/kW-hr)	HC+NOx	со
Standards	8.0	549
Certification Levels	7.4	344

**BE IT FURTHER RESOLVED:** That for the listed engines for the aforementioned model-year, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2433(d) (certification and test procedures), 13 CCR Section 2404 (emission control labels), and 13 CCR Sections 2405 and 2406 (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 31st day of August 2020.

Allen Lyons, Chief

**Emissions Certification and Compliance Division** 

Model Year: 2021	Page:
Manufacturer Name: YAMAHA MOTOR CO., LTD.	ssued:
Engine Family: MYMXB.8242EK	Revised:
OFF-ROAD LSI ENGINE SUPPLEMENTAL INFORMATION	E.O.#:

## **S12. MODEL SUMMARY** (Use an asterisk (\*) to identify worst-case engine model used for certification testing.)

S13. Engine Model	S14. Engine Code	S15. Sales Codes (Check ALL appropriate)		S16. Eng. Displ.	S17. Rated Power	S18. Rated Speed	S19. Peak Torque	S20. Peak Torque	
		Calif. Only	49- State	50- State	(Liters)	(kW)	(RPM)	(FT-LB)	Speed (RPM)
MX825V	7UCJ-010			*	0.824	20.5	3600	46.4	2400
MX800V	7U3J-010			*	0.824	19.4	3600	45.7	2100
MX825V	7UCJ-020			*	0.824	20.5	3600	46.4	2400
MX800V	7U3J-020			*	0.824	19.4	3600	45.7	2100