

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-14-012;

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 DISPLACEMENT (liters)	ENGIN	E CLASS	FUEL TYPE		
2019	к	YMXB.8242EH	0.824	≤ 825 cc		Gasoline		
DURABILITY HOURS			IAL FEATURES & CONTROL SYSTEM	s	TYPICAL EQUIPMENT USAGE			
1000		Multi	xygen Sensor, port Fuel Injection		Riding Mower			
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	6.3	199		

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 at El Monte, California on this _____ day of December 2018.

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

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Model Year:2019	Page: <u>5</u>
Manufacturer Name:Yamaha Motor Co LTD	Issued:
Engine Family:KYMXB.8242EH	Revised:
OFF-ROAD LSI ENGINE SUPPLEMENTAL INFORMATION	E.O.#: 11-2-224-CCN ()

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

S13.	S14.	S15. Sales Codes			S16. S17. Eng. Rated Displ. Power (Liters) (kW)	S18.	S19.	S20.	
Engine Model	Engine Code	(Check ALL appropriate)		Power		Rated Speed (RPM)	Peak Torque (FT-LB)	Peak Torque Speed	
		Calif. Only	49- State	50- State	()			(/	(RPM)
7UDJ-010				*	0.824	21.2	3060	46.5	2600
7UDJ-020				*	0.824	21.2	3060	46.5	2600
7UDJ-030				*	0.824	21.2	3060	46.5	2600
7U1J-010				*	0.824	20.4	3060	45.0	2600
7U1J-020				*	0.824	20.4	3060	45.0	2600
7U1J-030				*	0.824	20.4	3060	45.0	2600
7U2J-010				*	0.824	19.4	3060	42.8	2600
7U2J-020				*	0.824	19.4	3060	42.8	2600
7U2J-030				*	0.824	19.4	3060	42.8	2600
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