California Environmental Protection Agency Air Resources Board

YAMAHA MOTOR CO., LTD.

EXECUTIVE ORDER U-L-024-0005 New Off-Road Large Spark-Ignition Engines Above 19 Kilowatts

Pursuant to the authority vested in the 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)	ENGINE CLASS	FUEL TYPE		
2016 GYMXB.8242EH			0.824	> 825 cc - ≤ 1.0 liter	Gasoline		
DURABILITY HOURS			CIAL FEATURES & N CONTROL SYSTEM		TYPICAL EQUIPMENT USAGE		
1000		Mult	Oxygen Sensor, iport 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	CO
Standards	8.0	549
Certification Levels	6.3	198

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

-4-11-11-

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

ATTACUMENT B 1041

Model Year:2016	Page:5
Manufacturer Name:Yamaha Motor CO., LTD	Issued: _4/8/16_
Engine Family: GYMXB.8242EH	Revised:
OFF-ROAD I SI ENGINE SUPPLEMENTAL INFORMATION	FO#: 4-1-1-124-12005

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

S13.	S14.	S15. Sales Codes (Check ALL appropriate)		Eng. Rated	S17.	S18. Rated Speed (RPM)	S19. Peak Torque (FT-LB)	S20. Peak Torque Speed	
Engine Model	Engine Code				Power				
		Calif. Only	49- State	50- State					(RPM)
7UDJ-010	7UDJ-010			*	0.824	23.8	3600	48.7	2600
7UDJ-020	7UDJ-020			*	0.824	23.8	3600	48.7	2600
7UDJ-030	7UDJ-030			*	0.824	23.8	3600	48.7	2600
7U1J-010	7U1J-010			*	0.824	22.3	3600	48.7	2600
7U1J-020	7U1J-020			*	0.824	22.3	3600	48.7	2600
7U1J-030	7U1J-030			*	0.824	22.3	3600	48.7	2600
7U2J-010	7U2J-010			*	0.824	20.8	3600	48.7	2600
7U2J-020	7U2J-020			*	0.824	20.8	3600	48.7	2600
7U2J-030	7U2J-030			*	0.824	20.8	3600	48.7	2600