Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Sections 43013, 43018, 43101, 43102 and 43104; 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 spark-ignition marine engine and emission control systems (ECS) produced by the manufacturer are certified as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	FUEL TYPE	DISPLACEMENT (cc)	LEVEL OF CLEANLINESS	
2019	KYMXM1.814HA	Gasoline	1812	Super Ultra Low Emission ("Four Stars")	
EQUIPME	ENT APPLICATION	ECS & SPEC	ENGINE TYPE		
Inboard (Jet Boat)		Multiport I Heated Ox Three-way Ca On-Board Diagno	4-Stroke		
ENGINE MODELS (rated power in kilowatts, kW)		See Atta	chment		

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2442(b)) and certification emission levels in grams per kilowatt-hour (g/kW-hr) for this engine family. Engines in this engine family shall discharge no crankcase emissions into the ambient atmosphere in conformance with 13 CCR Section 2442(b).

	HC+NOx (g/kW-hr)	CO (g/kW-hr)		
STANDARD	5.0	75.0		
CERTIFICATION LEVEL	2.8	58.6		

This engine family shall not be used to determine compliance through corporate averaging.

BE IT FURTHER RESOLVED: That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Sections 2443.1, 2443.2 and 2443.3 (emission control, consumer, and environmental labels), Section 2444.2 (on-board engine malfunction detection system), and Sections 2445.1 and 2445.2 (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 April 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations, and Science Division

ATTACHMENT PIOFI

Model Year: 2019

Manufacturer Name: Yamaha Motor Co., Ltd.

Engine Family: KMXM1.814HA

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Issued: 2017/12/1

Revised:

E.O.#: U-W-003-0387

## S11. MODEL SUMMARY (Use an asterisk (\*) to identify worst-case engine model used for certification testing.)

S12	S13		S14		S15	S16	S17	S18	S19
Engine	Engine	Sales Codes (Check All appropriate)		Eng. Displ.	Rated Power	Rated Speed	Peak	Peak Torque	
Model	Code	Calif. Only	49- State	50- State	(cc)	(kW)	(RPM)	Torque (N-m)	Speed (RPM)
AR240	6DE	*			1812	122	7600	157.8	6500
SX240	6DE	*			1812	122	7600	157.8	6500
242 LIMITED S	6DE	*			1812	122	7600	157.8	6500
AR190	6DE	*			1812	122	7600	157.8	6500
SX190	6DE	*			1812	122	7600	157.8	6500
* 212X	6DE	*			1812	122	7600	157.8	6500
212 LIMITED S	6DE	*			1812	122	7600	157.8	6500
242X E-SERIES	6FT	*			1812	122	7600	157.8	6500
242 LIMITED S E-SERIES	6FT	*			1812	122	7600	157.8	6500