

 CALIFORNIA AIR RESOURCES BOARD	YAMAHA MOTOR CO., LTD.	EXECUTIVE ORDER U-W-003-0436 New Spark-Ignition Marine Engines
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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-19-095;

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
2020	LYMXM2.792GC	Gasoline	2785	Ultra Low Emission ("Three Stars")
EQUIPMENT APPLICATION		ECS & SPECIAL FEATURES		ENGINE TYPE
Outboard		Multiport Fuel Injection		4-Stroke
ENGINE MODELS (rated power in kilowatts, kW)	See Attachment			

BE IT ORDERED AND RESOLVED: That the listed engines are certified to a hydrocarbon plus oxides of nitrogen (HC+NOx) family emission limit (FEL) and a carbon monoxide (CO) direct standard in accordance with a plan submitted by the manufacturer to, and approved by, the Executive Officer for compliance with the exhaust emission standards on a corporate average basis pursuant to Title 13, California Code of Regulations, (13 CCR) Section 2442(a). The HC+NOx FEL and the CO standard shall be the applicable emission standards for this engine family for determining compliance of any engine within this engine family pursuant to 13 CCR Sections 2444.1 (in-use compliance) and 2446 (audit testing). The standards and certification emission levels in grams per kilowatt-hour (g/kW-hr) for this engine family are as follows. Engines in this engine family shall have closed crankcases in conformance with Part I, Section 18(h) of the "California Exhaust Emission Standards and Test Procedures for 2001 Model-Year and Later Spark-Ignition Marine Engines."

*=not applicable	HC+NOx (g/kW-hr)	CO (g/kW-hr)
STANDARD	*	300.0
FAMILY EMISSION LEVEL	16.30	*
CERTIFICATION LEVEL	13.61	147.5

Compliance with the emission standards on a corporate average basis shall be determined pursuant to 13 CCR Section 2442(a) based on the sales-weighted average power of all engines produced for sale in California that are included in the approved corporate average compliance plan for the model-year.

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), 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.

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter pursuant to 13 CCR Sections 2442(a)(2)(B) and 2446.

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 26TH day of June 2020.



Allen Lyons, Chief
Emissions Certification and Compliance Division

Model Year: **2020**
 Manufacturer Name: **Yamaha Motor Co., Ltd.**
 Engine Family: **LYMXM2.792GC**
SI MARINE ENGINE SUPPLEMENTAL INFORMATION

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 Issued: **09/01/2019**
 Revised: _____
 E.O.#: _____

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 Model	Engine Code	Sales Codes (Check All appropriate)			Eng. Displ. (cc)	Rated Power (kW)	Rated Speed (RPM)	Peak Torque (N-m)	Peak Torque Speed (RPM)
		Calif. Only	49-State	50-State					
F150LCA/ F150GETL	6HP			*	2785	119	5540	243.7	4046
*F150XCA/ F150GETX	6HP			*	2785	119	5540	243.7	4046
LF150XCA/ FL150GETX	6HR			*	2785	119	5540	243.7	4046
F175LCA/ F175CETL	6HS			*	2785	132	5390	244	4045
F175XCA/ F175CETX	6HS			*	2785	132	5390	244	4045
LF175XCA/ FL175CETX	6HT			*	2785	132	5390	244	4045
VF150LA/ F150CET1L	6EH			*	2785	121	5253	254.3	3903
VF150XA/ F150CET1X	6EH			*	2785	121	5253	254.3	3903
VF175LA/ F175BET1L	6FH			*	2785	137	6001	255.7	3901
VF175XA/ F175BET1X	6FH			*	2785	137	6001	255.7	3901
F200LB/ F200FETL	6DA			*	2785	143	6001	256.2	3900
F200XB/ F200FETX	6DA			*	2785	143	6001	256.2	3900
LF200XB/ FL200FETX	6DB			*	2785	143	6001	256.2	3900
F200LCA/ F200GETL	6DV			*	2785	143	6001	256.2	3900
F200XCA/ F200GETX	6DV			*	2785	143	6001	256.2	3900
LF200LCA/ FL200GETL	6DW			*	2785	143	6001	256.2	3900
LF200XCA/ FL200GETX	6DW			*	2785	143	6001	256.2	3900
F175LA/ F175AETL	6FA			*	2785	132	5390	244	4045
F175XA/ F175AETX	6FA			*	2785	132	5390	244	4045