

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	LYMXM4.172GA	Gasoline	4169	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	16.10	*
CERTIFICATION LEVEL	11.97	187.6

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 at El Monte, California on this 27th day of February 2020.



Allen Lyons, Chief
 Emissions Certification and Compliance Division

ATTACHMENT
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Model Year: 2020
 Manufacturer Name: Yamaha Motor Co., Ltd.
 Engine Family: LYMXM4.172GA
 SI MARINE ENGINE SUPPLEMENTAL INFORMATION

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 Issued: 09/01/2019
 Revised: 02/15/2020
 E.O.#: U-16-0053-C-425

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

Engine Model	S12	S13 Engine Code	S14 Sales Codes (Check All appropriate)			S15 Eng. Displ. (cc)	S16 Rated Power (kW)	S17 Rated Speed (RPM)	S18 Peak Torque (N-m)	S19 Peak Torque Speed (RPM)
			Calif. Only	49-State	50-State					
			* VF200LA/ F200DET1L	6CD						
VF225LA/ F225DET1L	6CC			*	4169	184	5699	390	3298	
VF250LA/ F250CET1L	6CB			*	4169	199	6003	395.6	4352	
F225XCA/ F225FETX	6CL			*	4169	179	5703	352	4353	
LF225XCA/ FL225FETX	6CM			*	4169	179	5703	352	4353	
F250XCA/ F250DETX	6CG			*	4169	195	5703	367.1	4501	
LF250XCA/ FL250DETX	6CH			*	4169	195	5703	367.1	4501	
F250UCA/ F250DETU	6CG			*	4169	195	5703	367.1	4501	
LF250UCA/ FL250DETU	6CH			*	4169	195	5703	367.1	4501	
F300XCA/ F300BETX	6CE			*	4169	214	5703	388.6	4953	
LF300XCA/ FL300BETX	6CF			*	4169	214	5703	388.6	4953	
F300UCA/ F300BETU	6CE			*	4169	214	5703	388.6	4953	
LF300UCA/ FL300BETU	6CF			*	4169	214	5703	388.6	4953	
F225NCA/ F225FETN	6CL			*	4169	179	5703	352	4353	
F250NCA/ F250DETN	6CG			*	4169	195	5703	367.1	4501	
F300NCA/ F300BETN	6CE			*	4169	214	5703	388.6	4953	
VF250XA/ F250JET1X	6FR			*	4169	199	6003	395.6	4352	
F225FETU	6CL			*	4169	179	5703	352	4353	
F225XB/ F225HETX	6HB			*	4169	179	5703	352	4353	
LF225XB/ FL225HETX	6HC			*	4169	179	5703	352	4353	
F250XB/ F250LETX	6HD			*	4169	195	5703	367.1	4501	
LF250XB/ FL250LETX	6HE			*	4169	195	5703	367.1	4501	
F300XA/ F300CETX	6JA			*	4169	214	5703	388.6	4953	
LF300XA/ FL300CETX	6JB			*	4169	214	5703	388.6	4953	
F300BET1X	6CE			*	4169	214	5703	388.6	4953	
F300BET1U	6CE			*	4169	214	5703	388.6	4953	
F300NCA2/ F300BET2N	6CE			*	4169	214	5703	388.6	4953	
FL300BET1X	6CF			*	4169	214	5703	388.6	4953	
FL300BET1U	6CF			*	4169	214	5703	388.6	4953	
VF200XA/ F200HET1X	6JV			*	4169	164	5702	353.2	3301	
F300DETX	6JD			*	4169	213	5700	383	4501	
F300DETU	6JD			*	4169	213	5700	383	4501	
FL300DETX	6JE			*	4169	213	5700	383	4501	
FL300DETU	6JE			*	4169	213	5700	383	4501	
F300BET2X	6CE			*	4169	214	5703	388.6	4953	
FL300BET2X	6CF			*	4169	214	5703	388.6	4953	

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 Issued: 09/01/2019
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 E.O.#: U-1003-0425

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					
F225NCA2/ F225FET2N	6CL			*	4169	179	5703	352	4353
F250NCA2/ F250DET2N	6CG			*	4169	195	5703	367.1	4501