## **MERCURY MARINE**

Pursuant to the authority vested in the 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			
2021	MM9XM07.62SR	Gasoline 7553		Ultra Low Emission ("Three Stars")			
EQUIPMENT APPLICATION		ECS & SPEC	IAL FEATURES	ENGINE TYPE			
Outboard		Sequential Heated Ox	Fuel Injection tygen Sensor	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	15.90	*		
CERTIFICATION LEVEL	12.65	66.3		

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 16th day of September 2021.

Allen Lyons, Chief

**Emissions Certification and Compliance Division** 

Date: <u>01/25/2021</u>.

Engine Family: <u>MM9XM07.62SR</u>.

Model Summary

For CARB Use Only Executive Order: U-W-001-0553 Attachment page 1 of 1

				S14. Sales Codes (Check all appropriate)					
S12.	S13.	CA Only	49-State	50-State	S15.	S16.	S17.	S18.	S19.
Engine Model	Engine Code	,			Engine Displacement (cc)	Rated Power (kW)	Rated Speed (RPM)	Peak Torque (N-m)	Peak Torque Speed (RPM)
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600L	16000101A			Х	7553	432	6400	705	5000
600XL	16000102A			X	7553	432	6400	705	5000
600XXL	* 16000103A			Х	7553	432	6400	705	5000
600XXXL	16000104A			X	7553	432	6400	705	5000
600L	16000105A			X	7553	432	6400	705	5000
600XL	16000106A			X	7553	432	6400	705	5000
600XXL	16000107A			X	7553	432	6400	705	5000
600XXXL	16000108A			X	7553	432	6400	705	5000
600L	16000109A			X	7553	432	6400	705	5000
600XL	16000110A			X	7553	432	6400	705	5000
600XXL	16000111A			X	7553	432	6400	705	5000
600XXXL	16000112A			X	7553	432	6400	705	5000
600L	16000113A			X	7553	432	6400	705	5000
600XL	16000114A			X	7553	432	6400	705	5000
600XXL	16000115A			X	7553	432	6400	705	5000
600XXXL	16000116A			X	7553	432	6400	705	5000
600L	16000117A			X	7553	432	6400	705	5000
600XL	16000118A			X	7553	432	6400	705	5000
600XXL	16000119A			X	7553	432	6400	705	5000
600XXXL	16000120A			X	7553	432	6400	705	5000
500LSP	15000101A			X	7553	372	5800	705	5000
500XLSP	15000102A			X	7553	372	5800	705	5000
500XXLSP	15000103A			X	7553	372	5800	705	5000
500XXXLSP	15000104A			Х	7553	372	5800	705	5000