CALIFORNIA AIR RESOURCES BOARD	**MERCURY MARINE**	**EXECUTIVE ORDER U-W-001-0613** New Spark-Ignition Marine Engines

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	ENGINE TYPE	FUEL TYPE
2024	RM9XM.2092G0	4-Stroke	Gasoline

LEVEL OF CLEANLINESS	EMISSION CONTROL SYSTEMS & SPECIAL FEATURES	EQUIPMENT APPLICATION
Ultra Low Emission ("Three Stars")	Engine Modification (EM)	Outboard

Engines certified by this Executive Order are further described in 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."

	HC+NOx (g/kW-hr)	CO (g/kW-hr)
STANDARD	*	464
FAMILY EMISSION LEVEL	24.00	*
CERTIFICATION LEVEL	20.52	288

*not applicable

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 13th day of October 2023.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

SIME Exhaust Model Summary Template (rev. 2020)

For CARB Use Only
Executive Order: U-W-001-0613
Attachment _1_of_1_

Date: 10/3/2023 .
Engine Family: RM9XM.2092G0 .

Model Summary

		S14. Sales Codes (Check all appropriate)							
S12. Engine Model	S13. Engine Code	CA Only	49-State	50-State	S15. Engine Displacement (cc)	S16. Rated Power (kW)	S17. Rated Speed (RPM)	S18. Peak Torque (N-m)	S19. Peak Torque Speed (RPM)
ME 8MH	1F08201KK			X	209	5.88	5500	12.4	3500
ME 8MLH	1F08211KK			X	209	5.88	5500	12.4	3500
ME 8EH	1F08301KK			X	209	5.88	5500	12.4	3500
ME 8ELH	*1F08311KK			X	209	5.88	5500	12.4	3500
ME 9.9MH	1F10201KK			X	209	7.28	5500	13	5000
ME 9.9MLH	1F10211KK			X	209	7.28	5500	13	5000
ME 9.9MXLH	1F10221KK			X	209	7.28	5500	13	5000
ME 9.9MLH CT	1F10251KK			X	209	7.28	5500	13	5000
ME 9.9MXLH CT	1F10261KK			X	209	7.28	5500	13	5000
ME 9.9EH	1F10301KK			X	209	7.28	5500	13	5000
ME 9.9ELH	1F10311KK			X	209	7.28	5500	13	5000
ME 9.9 EL	1F10312KK			X	209	7.28	5500	13	5000
ME 9.9ELH CT	1F10351KK			X	209	7.28	5500	13	5000
ME 9.9 EL CT	1F10352KK			X	209	7.28	5500	13	5000
ME 9.9EXLH CT	1F10361KK			X	209	7.28	5500	13	5000
ME 9.9ELHPT CT	1F10451KK			X	209	7.28	5500	13	5000
ME 9.9EXLHPT CT	1F10461KK			X	209	7.28	5500	13	5000
ME 9.9 ELPT CT	1F10452BK			X	209	7.28	5500	13	5000
ME 9.9EXLPT CT	1F10462BK			X	209	7.28	5500	13	5000
ME 9.9 MRC	1F10204KV			X	209	7.28	5500	13	5000
ME 8MH	1F08201BK			X	209	5.88	5500	12.4	3500
ME 8MLH	1F08211BK			X	209	5.88	5500	12.4	3500
ME 8EH	1F08301BK			X	209	5.88	5500	12.4	3500
ME 8ELH	1F08311BK			X	209	5.88	5500	12.4	3500
ME 9.9MH	1F10201BK			X	209	7.28	5500	13	5000
ME 9.9MLH	1F10211BK			X	209	7.28	5500	13	5000
ME 9.9 MRC	1F10204BV			X	209	7.28	5500	13	5000
ME 9.9MXLH	1F10221BK			X	209	7.28	5500	13	5000
ME 9.9MLH CT	1F10251BK			X	209	7.28	5500	13	5000
ME 9.9 MXLH CT	1F10261BK			X	209	7.28	5500	13	5000
ME 9.9EH	1F10301BK			X	209	7.28	5500	13	5000
ME 9.9ELH	1F10311BK			X	209	7.28	5500	13	5000
ME 9.9 EL	1F10312BK			X	209	7.28	5500	13	5000
ME 9.9ELH CT	1F10351BK			X	209	7.28	5500	13	5000
ME 9.9 EL CT	1F10352BK			X	209	7.28	5500	13	5000
ME 9.9 EXLH CT	1F10361BK			X	209	7.28	5500	13	5000