

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	RM9XM04.62SR	4-Stroke	Gasoline
LEVEL OF CLEANLINESS	EMISSION CONTROL SYSTEMS & SPECIAL FEATURES		EQUIPMENT APPLICATION
Ultra Low Emission ("Three Stars")	Sequential Multiport Fuel Injection (SFI) Heated Oxygen Sensor (HO2S) Supercharged with Water to Air Cooler (SAW)		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	*	300.0
FAMILY EMISSION LEVEL	15.90	*
CERTIFICATION LEVEL	13.53	242.5

*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.

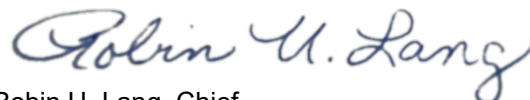
BE IT FURTHER RESOLVED: That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Sections 2443.1, 2443.2 and 2443.3 (emission control, consumer, and environmental labels), 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, Chief
 Emissions Certification and Compliance Division

Date: 10/3/2023

Engine Family: RM9XM04.62RS

Model Summary

S12. Engine Model	S13. Engine Code	S14. Sales Codes (Check all appropriate)			S15. Engine Displacement (cc)	S16. Rated Power (kW)	S17. Rated Speed (RPM)	S18. Peak Torque (N-m)	S19. Peak Torque Speed (RPM)
		CA Only	49-State	50-State					
500R L 1.6RHDC BL	15000105A			X	4576	373	6600	620	4000
500R CL 1.6LHDC BL	15000106A			X	4576	373	6600	620	4000
500R XL 1.6RHDC BL	15000107A			X	4576	373	6600	620	4000
500R CXL 1.6LHDC BL	15000108A			X	4576	373	6600	620	4000
500R XXL 1.6RHDC BL	15000109A			X	4576	373	6600	620	4000
500R CXXL 1.6LHDC BL	15000110A			X	4576	373	6600	620	4000
500R XXXL 1.6RHDC BL	15000111A			X	4576	373	6600	620	4000
500R CXXXL 1.6LHDC BL	15000112A			X	4576	373	6600	620	4000
500R L 1.6RHDC BLRT	15000113A			X	4576	373	6600	620	4000
500R CL 1.6LHDC BLRT	15000114A			X	4576	373	6600	620	4000
500R XL 1.6RHDC BLRT	15000115A			X	4576	373	6600	620	4000
500R CXL 1.6LHDC BLRT	15000116A			X	4576	373	6600	620	4000
500R L 1.45 RSM BL	15000117A			X	4576	373	6600	620	4000
500R CL 1.45 LSM BL	15000118A			X	4576	373	6600	620	4000
500R XL 1.45 RSM BL	*15000119A			X	4576	373	6600	620	4000
500R CXL 1.45 LSM BL	15000120A			X	4576	373	6600	620	4000
500R XXL 1.45 RSM BL	15000121A			X	4576	373	6600	620	4000
500R CXXL 1.45 LSM BL	15000122A			X	4576	373	6600	620	4000
500R L 1.45 RSMC BL	15000123A			X	4576	373	6600	620	4000
500R L 1.45 RSM BLRT	15000124A			X	4576	373	6600	620	4000
500R CL 1.45 LSM BLRT	15000125A			X	4576	373	6600	620	4000
500R L 1.6RHDC CF	15000126A			X	4576	373	6600	620	4000
500R CL 1.6LHDC CF	15000127A			X	4576	373	6600	620	4000
500R XL 1.6RHDC CF	15000128A			X	4576	373	6600	620	4000
500R CXL 1.6LHDC CF	15000129A			X	4576	373	6600	620	4000
500R XXL 1.6RHDC CF	15000130A			X	4576	373	6600	620	4000
500R CXXL 1.6LHDC CF	15000131A			X	4576	373	6600	620	4000
500R XXXL 1.6RHDC CF	15000132A			X	4576	373	6600	620	4000
500R CXXXL 1.6LHDC CF	15000133A			X	4576	373	6600	620	4000
500R L 1.6RHDC CFRT	15000134A			X	4576	373	6600	620	4000
500R CL 1.6LHDC CFRT	15000135A			X	4576	373	6600	620	4000
500R XL 1.6RHDC CFRT	15000136A			X	4576	373	6600	620	4000
500R CXL 1.6LHDC CFRT	15000137A			X	4576	373	6600	620	4000
500R L 1.45 RSM CF	15000138A			X	4576	373	6600	620	4000
500R CL 1.45 LSM CF	15000139A			X	4576	373	6600	620	4000
500R XL 1.45 RSM CF	15000140A			X	4576	373	6600	620	4000
500R CXL 1.45 LSM CF	15000141A			X	4576	373	6600	620	4000
500R XXL 1.45 RSM CF	15000142A			X	4576	373	6600	620	4000

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		CA Only	49-State	50-State					
500R CXXL 1.45 LSM CF	15000143A			X	4576	373	6600	620	4000
500R L 1.45 RSMC CF	15000144A			X	4576	373	6600	620	4000
500R L 1.45 RSM CFRT	15000145A			X	4576	373	6600	620	4000
500R CL 1.45 LSM CFRT	15000146A			X	4576	373	6600	620	4000
500R L 1.6RHDC PR	15000147A			X	4576	373	6600	620	4000
500R CL 1.6LHDC PR	15000148A			X	4576	373	6600	620	4000
500R XL 1.6RHDC PR	15000149A			X	4576	373	6600	620	4000
500R CXL 1.6LHDC PR	15000150A			X	4576	373	6600	620	4000
500R XXL 1.6RHDC PR	15000151A			X	4576	373	6600	620	4000
500R CXXL 1.6LHDC PR	15000152A			X	4576	373	6600	620	4000
500R XXXL 1.6RHDC PR	15000153A			X	4576	373	6600	620	4000
500R CXXXL 1.6LHDC PR	15000154A			X	4576	373	6600	620	4000
500R L 1.6RHDC PRRT	15000155A			X	4576	373	6600	620	4000
500R CL 1.6LHDC PRRT	15000156A			X	4576	373	6600	620	4000
500R XL 1.6RHDC PRRT	15000157A			X	4576	373	6600	620	4000
500R CXL 1.6LHDC PRRT	15000158A			X	4576	373	6600	620	4000
500R L 1.45 RSM PR	15000159A			X	4576	373	6600	620	4000
500R CL 1.45 LSM PR	15000160A			X	4576	373	6600	620	4000
500R XL 1.45 RSM PR	15000161A			X	4576	373	6600	620	4000
500R CXL 1.45 LSM PR	15000162A			X	4576	373	6600	620	4000
500R XXL 1.45 RSM PR	15000163A			X	4576	373	6600	620	4000
500R CXXL 1.45 LSM PR	15000164A			X	4576	373	6600	620	4000
500R L 1.45 RSMC PR	15000165A			X	4576	373	6600	620	4000
500R L 1.45 RSM PRRT	15000166A			X	4576	373	6600	620	4000
500R CL 1.45 LSM PRRT	15000167A			X	4576	373	6600	620	4000
500R XXXL RSM BL	15000168A			X	4576	373	6600	620	4000
500R CXXXL LSM BL	15000169A			X	4576	373	6600	620	4000
500R XXXL RSM CF	15000170A			X	4576	373	6600	620	4000
500R CXXXL LSM CF	15000171A			X	4576	373	6600	620	4000
500R XXXL RSM PR	15000172A			X	4576	373	6600	620	4000
500R CXXXL LSM PR	15000173A			X	4576	373	6600	620	4000
500R XXL RSM BLRT	15000174A			X	4576	373	6600	620	4000
500R CXXL LSMBLRT	15000175A			X	4576	373	6600	620	4000
500R XXL RSM CFRT	15000176A			X	4576	373	6600	620	4000
500R CXXL LSMCFRT	15000177A			X	4576	373	6600	620	4000
500R XXL RSM PRRT	15000178A			X	4576	373	6600	620	4000
500R CXXL LSMPRRT	15000179A			X	4576	373	6600	620	4000
500R XXL RHD BLRT	15000180A			X	4576	373	6600	620	4000

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		CA Only	49-State	50-State					
500R CXXL LHDBLRT	15000181A			X	4576	373	6600	620	4000
500R XXXL RHDBLRT	15000182A			X	4576	373	6600	620	4000
500R CXXXLLHDBLRT	15000183A			X	4576	373	6600	620	4000
500R XXL RHD CFRT	15000184A			X	4576	373	6600	620	4000
500R CXXL LHDCFRT	15000185A			X	4576	373	6600	620	4000
500R XXXL RHDCFRT	15000186A			X	4576	373	6600	620	4000
500R CXXXLLHDCFRT	15000187A			X	4576	373	6600	620	4000
500R XXL RHD PRRT	15000188A			X	4576	373	6600	620	4000
500R CXXL LHDPRT	15000189A			X	4576	373	6600	620	4000
500R XXXL RHDPRT	15000190A			X	4576	373	6600	620	4000
500R CXXXLLHDPRT	15000191A			X	4576	373	6600	620	4000
500R L RHDJ BL	15000192A			X	4576	373	6600	620	4000
500R CL LHDJ BL	15000193A			X	4576	373	6600	620	4000
500R XL RHDJ BL	15000194A			X	4576	373	6600	620	4000
500R CXL LHDJ BL	15000195A			X	4576	373	6600	620	4000
500R XXL RHDJ BL	15000196A			X	4576	373	6600	620	4000
500R CXXL LHDJ BL	15000197A			X	4576	373	6600	620	4000
500R XXXL RHDJ BL	15000198A			X	4576	373	6600	620	4000
500R CXXXL LHDJBL	15000199A			X	4576	373	6600	620	4000
500R L RHDJ CF	15000200A			X	4576	373	6600	620	4000
500R CL LHDJ CF	15000201A			X	4576	373	6600	620	4000
500R XL RHDJ CF	15000202A			X	4576	373	6600	620	4000
500R CXL LHDJ CF	15000203A			X	4576	373	6600	620	4000
500R XXL RHDJ CF	15000204A			X	4576	373	6600	620	4000
500R CXXL LHDJ CF	15000205A			X	4576	373	6600	620	4000
500R XXXL RHDJ CF	15000206A			X	4576	373	6600	620	4000
500R CXXXL LHDJCF	15000207A			X	4576	373	6600	620	4000
500R L RHDJ PR	15000208A			X	4576	373	6600	620	4000
500R CL LHDJ PR	15000209A			X	4576	373	6600	620	4000
500R XL RHDJ PR	15000210A			X	4576	373	6600	620	4000
500R CXL LHDJ PR	15000211A			X	4576	373	6600	620	4000
500R XXL RHDJ PR	15000212A			X	4576	373	6600	620	4000
500R CXXL LHDJ PR	15000213A			X	4576	373	6600	620	4000
500R XXXL RHDJ PR	15000214A			X	4576	373	6600	620	4000
500R CXXXL LHDJPR	15000215A			X	4576	373	6600	620	4000