

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	RM9XM07.62SR	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)		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	12.65	66.3

*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 9th day of October 2023.



Robin U. Lang, Chief
 Emissions Certification and Compliance Division

Date: 02/16/2024 .
 Engine Family: RM9XM07.62SR .

RC1_3-7-2024

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					
600L	16000101A			X	7553	432	6400	705	5000
600XL	16000102A			X	7553	432	6400	705	5000
600XXL	16000103A			X	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			X	7553	372	5800	705	5000
600L VER 48V	16000121A			X	7553	432	6400	705	5000
600XL VER 48V	16000122A			X	7553	432	6400	705	5000
600XXL VER 48V	16000123A			X	7553	432	6400	705	5000
600XXXL VER 48V	16000124A			X	7553	432	6400	705	5000
600L VER CF 48V	16000125A			X	7553	432	6400	705	5000
600XL VER CF 48V	16000126A			X	7553	432	6400	705	5000
600XXL VER CF 48V	16000127A			X	7553	432	6400	705	5000
600XXXL VER CF 48V	16000128A			X	7553	432	6400	705	5000
600L VER WF 48V	16000129A			X	7553	432	6400	705	5000
600XL VER WF 48V	16000130A			X	7553	432	6400	705	5000
600XXL VER WF 48V	16000131A			X	7553	432	6400	705	5000
600XXXL VER WF 48V	16000132A			X	7553	432	6400	705	5000
600L VER PF 48V	16000133A			X	7553	432	6400	705	5000
600XL VER PF 48V	16000134A			X	7553	432	6400	705	5000

Date: 02/16/2024

Engine Family: RM9XM07.62SR

RC1_3-7-2024

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					
600XXL VER PF 48V	16000135A			X	7553	432	6400	705	5000
600XXXL VER PF 48V	16000136A			X	7553	432	6400	705	5000
600L VER Undecaed 48V	16000137A			X	7553	432	6400	705	5000
600XL VER Undecaed 48V	16000138A			X	7553	432	6400	705	5000
600XXL VER Undecaed 48V	16000139A			X	7553	432	6400	705	5000
600XXXL VER Undecaed 48V	16000140A			X	7553	432	6400	705	5000
500L SP	15000101B			X	7553	372	5800	705	5000
500XL SP	15000102B			X	7553	372	5800	705	5000
500XXL SP	15000103B			X	7553	372	5800	705	5000
500XXXL SP	15000104B			X	7553	372	5800	705	5000
600L VER	16000101B			X	7553	432	6400	705	5000
600XL VER	16000102B			X	7553	432	6400	705	5000
600XXL VER	16000103B			X	7553	432	6400	705	5000
600XXXL VER	16000104B			X	7553	432	6400	705	5000
600L VER CF	16000105B			X	7553	432	6400	705	5000
600XL VER CF	16000106B			X	7553	432	6400	705	5000
600XXL VER CF	16000107B			X	7553	432	6400	705	5000
600XXXL VER CF	16000108B			X	7553	432	6400	705	5000
600L VER WF	16000109B			X	7553	432	6400	705	5000
600XL VER WF	16000110B			X	7553	432	6400	705	5000
600XXL VER WF	16000111B			X	7553	432	6400	705	5000
600XXXL VER WF	16000112B			X	7553	432	6400	705	5000
600L VER PF	16000113B			X	7553	432	6400	705	5000
600XL VER PF	16000114B			X	7553	432	6400	705	5000
600XXL VER PF	16000115B			X	7553	432	6400	705	5000
600XXXL VER PF	16000116B			X	7553	432	6400	705	5000
600L VER Undecaed	16000117B			X	7553	432	6400	705	5000
600XL VER Undecaed	16000118B			X	7553	432	6400	705	5000
600XXL VER Undecaed	16000119B			X	7553	432	6400	705	5000
600XXXL VER Undecaed	16000120B			X	7553	432	6400	705	5000