

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
2023	PM9XM02.62G0	Gasoline	2598	Very Low Emission ("Two Stars")
EQUIPMENT APPLICATION		ECS & SPECIAL FEATURES		ENGINE TYPE
Outboard		Sequential Multiport Fuel Injection Supercharged with Water to Air Cooler		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
FAMILY EMISSION LEVEL	19.50	*
CERTIFICATION LEVEL	17.92	177

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 23rd day of September 2022.



Robin U. Lang, Chief
 Emissions Certification and Compliance Division

Date: 09/07/2022
 Engine Family: PM9XM02.62G0

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					
350 Verado	1350V131D			X	2598	254	5800	434	4501
350 Verado	1350V141D			X	2598	254	5800	434	4501
350 Verado	1350V231D			X	2598	254	5800	434	4501
350 Verado	1350V241D			X	2598	254	5800	434	4501
350 Verado	1350V331D			X	2598	254	5800	434	4501
350 Verado	1350V341D			X	2598	254	5800	434	4501
350 Verado	1350V131C			X	2598	254	5800	434	4501
350 Verado	1350V141C			X	2598	254	5800	434	4501
350 Verado	1350V231C			X	2598	254	5800	434	4501
350 Verado	1350V241C			X	2598	254	5800	434	4501
350 Verado	1350V331C			X	2598	254	5800	434	4501
350 Verado	1350V341C			X	2598	254	5800	434	4501
350 Verado	1350V131Y			X	2598	254	5800	434	4501
350 Verado	1350V141Y			X	2598	254	5800	434	4501
350 Verado	1350V231Y			X	2598	254	5800	434	4501
350 Verado	1350V241Y			X	2598	254	5800	434	4501
350 Verado	1350V331Y			X	2598	254	5800	434	4501
350 Verado	1350V341Y			X	2598	254	5800	434	4501
350 Verado	1352V131D			X	2598	254	5800	434	4501
350 Verado	1352V231D			X	2598	254	5800	434	4501
400 Verado	1400V131C			X	2598	291	6995	440	4500
400 Verado	1400V131D			X	2598	291	6995	440	4500
400 Verado	1400V141C			X	2598	291	6995	440	4500
400 Verado	1400V141D			X	2598	291	6995	440	4500
400 Verado	1400V1D1C			X	2598	291	6995	440	4500
400 Verado	1400V1D1D			X	2598	291	6995	440	4500
400 Verado	1400V1E1C			X	2598	291	6995	440	4500
400 Verado	1400V1E1D			X	2598	291	6995	440	4500
400 Verado	1400V1Q1C			X	2598	291	6995	440	4500
400 Verado	1400V1Q1D			X	2598	291	6995	440	4500
400 Verado	1400V231C			X	2598	291	6995	440	4500
400 Verado	*1400V231D			X	2598	291	6995	440	4500
400 Verado	1400V241C			X	2598	291	6995	440	4500
400 Verado	1400V241D			X	2598	291	6995	440	4500
400 Verado	1400V2D1C			X	2598	291	6995	440	4500
400 Verado	1400V2D1D			X	2598	291	6995	440	4500
400 Verado	1400V2E1C			X	2598	291	6995	440	4500
400 Verado	1400V2E1D			X	2598	291	6995	440	4500
400 Verado	1400V2Q1C			X	2598	291	6995	440	4500
400 Verado	1400V2Q1D			X	2598	291	6995	440	4500
400 Verado	1400V331C			X	2598	291	6995	440	4500
400 Verado	1400V331D			X	2598	291	6995	440	4500
400 Verado	1400V341C			X	2598	291	6995	440	4500
400 Verado	1400V341D			X	2598	291	6995	440	4500

Date: 09/07/2022
 Engine Family: PM9XM02.62G0

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					
400 Verado	1400V3D1C			X	2598	291	6995	440	4500
400 Verado	1400V3D1D			X	2598	291	6995	440	4500
400 Verado	1400V3E1C			X	2598	291	6995	440	4500
400 Verado	1400V3E1D			X	2598	291	6995	440	4500
350 Verado	1358V131D			X	2598	254	5800	434	4501
350 Verado	1358V141D			X	2598	254	5800	434	4501
350 Verado	1358V231D			X	2598	254	5800	434	4501
350 Verado	1358V241D			X	2598	254	5800	434	4501
350 Verado	1358V331D			X	2598	254	5800	434	4501
350 Verado	1358V341D			X	2598	254	5800	434	4501
350 Verado	1358V131C			X	2598	254	5800	434	4501
350 Verado	1358V141C			X	2598	254	5800	434	4501
350 Verado	1358V231C			X	2598	254	5800	434	4501
350 Verado	1358V241C			X	2598	254	5800	434	4501
350 Verado	1358V331C			X	2598	254	5800	434	4501
350 Verado	1358V341C			X	2598	254	5800	434	4501
350 Verado	1358V131Y			X	2598	254	5800	434	4501
350 Verado	1358V141Y			X	2598	254	5800	434	4501
350 Verado	1358V231Y			X	2598	254	5800	434	4501
350 Verado	1358V241Y			X	2598	254	5800	434	4501
350 Verado	1358V331Y			X	2598	254	5800	434	4501
350 Verado	1358V341Y			X	2598	254	5800	434	4501
350 Verado	1350V231P			X	2598	254	5800	434	4501
350 Verado	1350V241P			X	2598	254	5800	434	4501
350 Verado	1350V331P			X	2598	254	5800	434	4501
350 Verado	1350V341P			X	2598	254	5800	434	4501
350 Verado	1358V131P			X	2598	254	5800	434	4501
350 Verado	1358V141P			X	2598	254	5800	434	4501
350 Verado	1358V231P			X	2598	254	5800	434	4501
350 Verado	1358V241P			X	2598	254	5800	434	4501
350 Verado	1358V331P			X	2598	254	5800	434	4501
350 Verado	1358V341P			X	2598	254	5800	434	4501
400 Verado	1402V1D1D			X	2598	291	6995	440	4500
400 Verado	1402V1E1D			X	2598	291	6995	440	4500
400 Verado	1402V1D1C			X	2598	291	6995	440	4500
400 Verado	1402V1E1C			X	2598	291	6995	440	4500
400 Verado	1402V2D1D			X	2598	291	6995	440	4500
400 Verado	1402V2E1D			X	2598	291	6995	440	4500
400 Verado	1402V2D1C			X	2598	291	6995	440	4500
400 Verado	1402V2E1C			X	2598	291	6995	440	4500
400 Verado	1402V1Q1D			X	2598	291	6995	440	4500
400 Verado	1402V1Q1C			X	2598	291	6995	440	4500
Verado ROS	19V19EMHH			X	2598	291	6995	440	4500
Verado ROS	19V19ENHH			X	2598	291	6995	440	4500

Date: 09/07/2022
 Engine Family: PM9XM02.62G0

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					
400 Verado	1402V3Q1D			X	2598	291	6995	440	4500
400 Verado	1402V3Q1C			X	2598	291	6995	440	4500
400 Verado	1402V3R1D			X	2598	291	6995	440	4500
400 Verado	1402V3R1C			X	2598	291	6995	440	4500
350 Verado	1350V131P			X	2598	254	5800	434	4501
350 Verado	1350V141P			X	2598	254	5800	434	4501
400 Verado	14000001A			X	2598	291	6995	440	4500
400 Verado	14000002A			X	2598	291	6995	440	4500
400 Verado	14000003A			X	2598	291	6995	440	4500
400 Verado	14000004A			X	2598	291	6995	440	4500
400 Verado	14000005A			X	2598	291	6995	440	4500
400 Verado	14000006A			X	2598	291	6995	440	4500
400 Verado	14000007A			X	2598	291	6995	440	4500
400 Verado	14000008A			X	2598	291	6995	440	4500
400 Verado	14000009A			X	2598	291	6995	440	4500
400 Verado	14000010A			X	2598	291	6995	440	4500
400 Verado	14000011A			X	2598	291	6995	440	4500
400 Verado	14000012A			X	2598	291	6995	440	4500
400 Verado	14000013A			X	2598	286	6799	440	4500
400 Verado	14000014A			X	2598	286	6799	440	4500
400 Verado	14000015A			X	2598	286	6799	440	4500
400 Verado	14000016A			X	2598	286	6799	440	4500
400 Verado	14000017A			X	2598	286	6799	440	4500
400 Verado	14000018A			X	2598	286	6799	440	4500
400 Verado	14000019A			X	2598	286	6799	440	4500
400 Verado	14000020A			X	2598	286	6799	440	4500
400 Verado	14000021A			X	2598	286	6799	440	4500
400 Verado	14000022A			X	2598	286	6799	440	4500
400 Verado	14000023A			X	2598	286	6799	440	4500
400 Verado	14000024A			X	2598	286	6799	440	4500
400 Verado	14000025A			X	2598	286	6799	440	4500
400 Verado	14000026A			X	2598	286	6799	440	4500
400 Verado	14000027A			X	2598	286	6799	440	4500
400 Verado	14000028A			X	2598	286	6799	440	4500
400 Verado	14000029A			X	2598	286	6799	440	4500
400 Verado	14000030A			X	2598	286	6799	440	4500
400 Verado	14000031A			X	2598	286	6799	440	4500
400 Verado	14000032A			X	2598	286	6799	440	4500
400 Verado	14000033A			X	2598	286	6799	440	4500
400 Verado	14000034A			X	2598	286	6799	440	4500
400 Verado	14000035A			X	2598	286	6799	440	4500
400 Verado	14000036A			X	2598	286	6799	440	4500
400 Verado	14000037A			X	2598	286	6799	440	4500
400 Verado	14000038A			X	2598	286	6799	440	4500

Date: 09/07/2022
 Engine Family: PM9XM02.62G0

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					
400 Verado	14000039A			X	2598	286	6799	440	4500
400 Verado	14000040A			X	2598	286	6799	440	4500
400 Verado	14000041A			X	2598	286	6799	440	4500
400 Verado	14000042A			X	2598	286	6799	440	4500
400 Verado	14000043A			X	2598	286	6799	440	4500
400 Verado	14000044A			X	2598	286	6799	440	4500
400 Verado	14000045A			X	2598	286	6799	440	4500
400 Verado	14000046A			X	2598	286	6799	440	4500
400 Verado	14000047A			X	2598	286	6799	440	4500
400 Verado	14000048A			X	2598	286	6799	440	4500
400 Verado	14000049A			X	2598	286	6799	440	4500
400 Verado	14000050A			X	2598	286	6799	440	4500
400 Verado	14000051A			X	2598	286	6799	440	4500
400 Verado	14000052A			X	2598	286	6799	440	4500
400 Verado	14000053A			X	2598	286	6799	440	4500
400 Verado	14000054A			X	2598	286	6799	440	4500
400 Verado	14000055A			X	2598	286	6799	440	4500
400 Verado	14000056A			X	2598	286	6799	440	4500
400 Verado	14000057A			X	2598	286	6799	440	4500
400 Verado	14000058A			X	2598	286	6799	440	4500
400 Verado	14000059A			X	2598	286	6799	440	4500
400 Verado	14000060A			X	2598	286	6799	440	4500
400 Verado	1402V3D1D			X	2598	291	6995	440	4500
400 Verado	1402V3E1D			X	2598	291	6995	440	4500
400 Verado	1402V3D1C			X	2598	291	6995	440	4500
400 Verado	1402V3E1C			X	2598	291	6995	440	4500