

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	PM9XM.3332GE	Gasoline	333	Ultra Low Emission ("Three Stars")
EQUIPMENT APPLICATION		ECS & SPECIAL FEATURES		ENGINE TYPE
Outboard		Multiport Fuel Injection		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	*	424.0
FAMILY EMISSION LEVEL	19.50	*
CERTIFICATION LEVEL	19.12	168.9

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 26th day of May 2022.



Allen Lyons, Chief
 Emissions Certification and Compliance Division

Date: 02/28/2022

Engine Family: PM9XM.3332GE

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					
ME 15 MH	1A15201BK			X	333	12.19	6100	23.1	3500
ME 15 MRC	1A15204BK			X	333	12.19	6100	23.1	3500
ME 15 MLH	1A15211BK			X	333	12.19	6100	23.1	3500
ME 15 EH	1A15301BK			X	333	12.19	6100	23.1	3500
ME 15 E	1A15302BK			X	333	12.19	6100	23.1	3500
ME 15 ELH	*1A15311BK			X	333	12.19	6100	23.1	3500
ME 15 EL	1A15312BK			X	333	12.19	6100	23.1	3500
ME 15 ELPT	1A15412BK			X	333	12.19	6100	23.1	3500
ME 15 ELHPT-PK	1A15451BK			X	333	12.19	6100	23.1	3500
ME 15 ELPT-PK	1A15452BK			X	333	12.19	6100	23.1	3500
ME 15 EXLHPT-PK	1A15461BK			X	333	12.19	6100	23.1	3500
ME 15 EXLPT-PK	1A15462BK			X	333	12.19	6100	23.1	3500
ME 20 MH	1A20201BK			X	333	15.19	6100	25.3	4500
ME 20 MRC	1A20204BK			X	333	15.19	6100	25.3	4500
ME 20 MLH	1A20211BK			X	333	15.19	6100	25.3	4500
ME 20 EH	1A20301BK			X	333	15.19	6100	25.3	4500
ME 20 E	1A20302BK			X	333	15.19	6100	25.3	4500
ME 20 ELH	1A20311BK			X	333	15.19	6100	25.3	4500
ME 20 EL	1A20312BK			X	333	15.19	6100	25.3	4500
ME 20 EPT	1A20402BK			X	333	15.19	6100	25.3	4500
ME 20 ELHPT	1A20411BK			X	333	15.19	6100	25.3	4500
ME 20 ELPT	1A20412BK			X	333	15.19	6100	25.3	4500
ME 15 MH SEA PRO	1A15207BK			X	333	12.03	5750	23.1	3500
ME 15 MLH SEA PRO	1A15217BK			X	333	12.03	5750	23.1	3500
ME 15 MH	1A15201LK			X	333	12.19	6100	23.1	3500
ME 15 MRC	1A15204LK			X	333	12.19	6100	23.1	3500
ME 15 MLH	1A15211LK			X	333	12.19	6100	23.1	3500
ME 15 EH	1A15301LK			X	333	12.19	6100	23.1	3500
ME 15 E	1A15302LK			X	333	12.19	6100	23.1	3500
ME 15 ELH	1A15311LK			X	333	12.19	6100	23.1	3500
ME 15 EL	1A15312LK			X	333	12.19	6100	23.1	3500
ME 15 ELPT	1A15412LK			X	333	12.19	6100	23.1	3500
ME 20 MH	1A20201LK			X	333	15.19	6100	25.3	4500
ME 20 MRC	1A20204LK			X	333	15.19	6100	25.3	4500
ME 20 MLH	1A20211LK			X	333	15.19	6100	25.3	4500
ME 20 EH	1A20301LK			X	333	15.19	6100	25.3	4500

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		CA Only	49-State	50-State					
ME 20 E	1A20302LK			X	333	15.19	6100	25.3	4500
ME 20 ELH	1A20311LK			X	333	15.19	6100	25.3	4500
ME 20 EL	1A20312LK			X	333	15.19	6100	25.3	4500
ME 20 EPT	1A20402LK			X	333	15.19	6100	25.3	4500
ME 20 ELHPT	1A20411LK			X	333	15.19	6100	25.3	4500
ME 20 ELPT	1A20412LK			X	333	15.19	6100	25.3	4500
ME 9.9ELPT PK	1A10452BK			X	333	7.83	5700	19.2	2000
ME 9.9ELHPT PK	1A10451BK			X	333	7.83	5700	19.2	2000
ME 9.9EXLPT PK	1A10462BK			X	333	7.83	5700	19.2	2000
ME 9.9EXLHPTPK	1A10461BK			X	333	7.83	5700	19.2	2000
ME 15 E	1A15302LL			X	333	15.19	6100	25.3	4500
ME 9.9 E	1A10302LK			X	333	7.83	5700	19.2	2000