

Pursuant to the authority vested in the 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		
2022	NM9XM02.02GT	Gasoline 2061		Ultra Low Emission ("Three Stars")		
EQUIPMENT APPLICATION		ECS & SPEC	IAL FEATURES	ENGINE TYPE		
Outboard		Multiport F	uel 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	*	300.0		
FAMILY EMISSION LEVEL	13.50	*		
CERTIFICATION LEVEL	11.39	144.2		

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 15th day of September 2021.

Allen Wons, Chief

Emissions Certification and Compliance Division

Date: <u>06/25/2021</u>.

Engine Family: MM9XM02.02GT .

Model Summary

For CARB Use Only Executive Order: U-W-001-0560 Attachment 1 of 1

S12. S13. CA Only 49-State 50-State S15. S16. S17. S18. S19.		_	S14. Sales Codes (Check all appropriate)							
MA 80 EPT 45										S19. Peak Torque Speed (RPM)
MA 90 EUTCT 45	MA 75 ELPT 4S	7F754131F			Х	2061	60	5250	141	2500
MA110EPTCT4S 710F331F X 2061 90 6600 162 3500 MA115EQPTC4S 7115F331F X 2061 90 6600 162 3500 MA115EQPTC4S 7115F331F X 2061 90 6600 162 3500 MATERIPT SP 1774671D X 2061 90 6600 162 3500 MEDIT SP 1774671D X 2061 90 6600 162 3500 MEDIT SP 1774671D X 2061 90 6600 162 3500 MEDIT SP 1774671D X 2061 90 6600 162 3500 MEDIT SP 1774671D X 2061 90 6600 162 3500 MEDIT SP 1774671D X 2061 90 MEDIT SP 1774	MA 80 ELPT 4S	7F804131F			X	2061	60	5250	141	2500
MAISERPTCT4S	MA 90 ELPT CT 4S	7F904531F			Х	2061	68	5250	150	3000
MAISEAPTCT 4S	MA 100 ELPT CT 4S	7100F531F			Х	2061	68	5250	150	3000
METSELPTASS 1:764571D	MA 115 ELPT CT 4S	7115F531F			Х	2061	90	6000	162	3500
MESOELPTAS SP	MA 115EXLPT CT 4S	7115F631F			Х	2061	90	6000	162	3500
MEGORAPT 4S SP	ME75ELPT 4S SP	1F764571D			Х	2061	56	5000	139	2500
MELISELPT 4S SP	ME90ELPT4S SP	1F914571D			Х	2061	64	5000	140	2500
MEIJSERUPT 4.SS P	ME90EXLPT 4S SP	1F914671D			Х	2061	64	5000	140	2500
ME11SECXPT 4S 9P	ME115ELPT 4S SP	*1116F571D			Х	2061	77	5000	154	3500
ME 115L PXS 4S 1117F13ID	ME115EXLPT 4S SP	1116F671D			X	2061	77	5000	154	3500
ME 115XL PXS 45 1117F231D	ME115ECXLPT 4S SP	1116F681D			Х	2061	77	5000	154	3500
ME 115L PXS CT 4S 1117F531D X 2061 94 6300 166 3500 ME 115XL PXS CT4S 1117F631D X 2061 94 6300 166 3500 75ELPT 4S 117F84132D X 2061 60 5250 141 2500 80ELPT 4S 17804132F X 2061 60 5250 141 2500 90ELPT 4S 1780412D X 2061 60 5250 141 2500 90ELPT 4S 1780412D X 2061 60 5250 141 2500 90ELPT 4S 1790432D X 2061 68 5250 150 3000 90EXLPT 4S 1790432D X 2061 68 5250 150 3000 90EXLPT 4S 1790432D X 2061 68 5250 150 3000 90EXLPT CT 4S 1790422D X 2061 68 5250 150 3000 90EXLPT CT 4S <td>ME 115L PXS 4S</td> <td>1117F131D</td> <td></td> <td></td> <td>X</td> <td>2061</td> <td>94</td> <td>6300</td> <td>166</td> <td>3500</td>	ME 115L PXS 4S	1117F131D			X	2061	94	6300	166	3500
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TSELPT 4S	ME 115L PXS CT 4S	1117F531D			X	2061	94	6300	166	3500
SOLIPT 4S 1F804132F	ME 115XL PXS CT4S									
JET 80 ELPT 4S	75ELPT 4S	1F754132D			X	2061	60	5250	141	2500
90ELPT 4S 1F904132D	80ELPT 4S	1F804132F			X	2061	60	5250	141	2500
90ELPT CT 4S	JET 80 ELPT 4S	1F8047J2D			X	2061	60	5250	141	2500
90EXLPT 4S										
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