

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	PYMXM4.172GA	Gasoline 4169		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)						

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	16.00	*		
CERTIFICATION LEVEL	11.68	181.9		

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 <u>3rd</u> day of October 2022.

Robin U. Lang, Chief

Emissions Certification and Compliance Division

Jolin U. Lang

Date: 9/1/2022

Engine Family: PYMXM4.172GA

Model Summary

For CARB Use Only
Executive Order: U-W-003-0508
Attachment __1__of__1__

			S14.						
		Sales Codes (Check all appropriate)							
S12. Engine Model	S13. Engine Code	CA Only	49-State	50-State	S15. Engine Displacement (cc)	S16. Rated Power (kW)	S17. Rated Speed (RPM)	S18. Peak Torque (N-m)	S19. Peak Torque Speed (RPM)
F225XB / F225HETX	6НВ			*	4169	184	5050	250	4350
F225XB2 / F225HET2X	6НВ			*	4169	184	5850 5850	358 358	4350
	6HC			*	4169	184	5850	358	4350
LF225XB / FL225HETX LF225XB2 / FL225HET2X	6HC			*	4169	184	5850	358	4350
F250XB / F250LETX	6HD			*	4169	200	5850	375	4650
F250XB2 / F250LET2X	6HD			*	4169	200	5850	375	4650
LF250XB / FL250LETX	6HE			*	4169	200	5850	375	4650
LF250XB2 / FL250LET2X	6HE			*	4169	200	5850	375	4650
F300XA / F300CETX	6JA			*	4169	222	5700	400	4950
F300XA2 / F300CET2X	6JA			*	4169	222	5700	400	4950
LF300XAZ/T300CETX	6JB			*		222	5700	400	4950
LF300XA7 / FL300CET2X	6JB			*	4169	222	5700	400	4950
F300DETX	6JD			*	4169	209	5700	369	4500
F300DETU	6JD			*	4169	209	5700	369	4500
FL300DETX	6JE			*	4169	209	5700	369	4500
FL300DETU	6JE			*	4169	209	5700	369	4500
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