

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	PYMXM2.792GC	Gasoline 2785		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	16.20	*		
CERTIFICATION LEVEL	13.60	147.5		

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** 

Date: 9/1/2022

Engine Family: PYMXM2.792GC

Model Summary

For CARB Use Only
Executive Order: U-W-003-0507
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)
VF150LA / F150CET1L	бен			*	2785	121	5253	254.3	3903
VF150XA / F150CET1X	6EH			*	2785	121	5253	254.3	3903
VF175LA / F175BET1L	6FH			*	2785	137	6001	255.7	3901
VF175XA / F175BET1X	6FH			*	2785	137	6001	255.7	3901
F200LB / F200FETL	6DA			*	2785	143	6001	256.2	3900
F200LB2 / F200FET2L	6DA			*	2785	143	6001	256.2	3900
F200XB / F200FETX	6DA			*	2785	143	6001	256.2	3900
F200XB2 / F200FET2X	6DA			*	2785	143	6001	256.2	3900
LF200XB / FL200FETX	6DB			*	2785	143	6001	256.2	3900
LF200XB2 / FL200FET2 X	6DB			*	2785	143	6001	256.2	3900
F200LCA / F200GETL	6DV			*	2785	143	6001	256.2	3900
F200LCA2 / F200GET2L	6DV			*	2785	143	6001	256.2	3900
F200XCA / F200GETX	6DV			*	2785	143	6001	256.2	3900
F200XCA2 / F200GET2X	6DV			*	2785	143	6001	256.2	3900
LF200LCA / FL200GETL	6DW			*	2785	143	6001	256.2	3900
LF200LCA2 / FL200GET2L	6DW			*	2785	143	6001	256.2	3900
LF200XCA / FL200GETX	6DW			*	2785	143	6001	256.2	3900
LF200XCA2 / FL200GET2X	6DW			*	2785	143	6001	256.2	3900
F175LA / F175AETL	6FA			*	2785	132	5390	244	4045
F175LA2 / F175AET2L	6FA			*	2785	132	5390	244	4045
F175XA / F175AETX	6FA			*	2785	132	5390	244	4045
F175XA2 / F175AET2X	6FA			*	2785	132	5390	244	4045
F150LCA / F150GETL	6НР			*	2785	119	5540	243.7	4046
F150LCA2 / F150GET2L	6НР			*	2785	119	5540	243.7	4046
F150XCA / F150GETX	6НР			*	2785	119	5540	243.7	4046
F150XCA2 / F150GET2X	6НР			*	2785	119	5540	243.7	4046
LF150XCA / FL150GETX	6HR			*	2785	119	5540	243.7	4046
LF150XCA2 / FL150GET2X	6HR			*	2785	119	5540	243.7	4046
F175LCA / F175CETL	6HS			*	2785	132	5390	244	4045
F175LCA2 / F175CET2L	6HS			*	2785	132	5390	244	4045
F175XCA / F175CETX	6HS			*	2785	132	5390	244	4045
F175XCA2 / F175CET2X	6HS			*	2785	132	5390	244	4045
LF175XCA / FL175CETX	6НТ			*	2785	132	5390	244	4045
LF175XCA2 / FL175CET2X	6НТ			*	2785	132	5390	244	4045