

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
2021	MSKXM2.872K8	Gasoline	2867	Ultra Low Emission ("Three Stars")
EQUIPMENT APPLICATION		ECS & SPECIAL FEATURES		ENGINE TYPE
Outboard		Heated Oxygen Sensor 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	*	300.0
FAMILY EMISSION LEVEL	16.30	*
CERTIFICATION LEVEL	13.17	63.1

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 at El Monte, California on this 12<sup>th</sup> day of May 2020.

  
 Allen Lyons, Chief  
 Emissions Certification and Compliance Division

S09. PROJECTED SALES AND PRODUCTION PERIOD

S10. MODEL SUMMARY (Use an asterisk (\*) to identify "worst-case" engine model used for certification testing.)

S11. Engine Model	S12. Engine Code	S13. Sales Codes (Check ALL appropriate)			S14. Eng. Displ. (cc)	S15. Rated Power (kW)	S16. Rated Speed (RPM)	S17. Peak Torque (N-m)	S18. Peak Torque Speed (RPM)
		Calif. Only	49-State	50-State					
DF150ATL3 DF150ATX3 DF150ATLW3 DF150ATXW3 DF150AZL DF150ATXZ3 DF150ATXZW3 DF150ATLRSS3 DF150ATXRSS3				X	2,867	110	5,500	237	4,000
*DF175ATL3 DF175ATX3 DF175ATLW3 DF175ATXW3 DF175AZL DF175ATXZ3 DF175ATXZW3				X	2,867	129	5,800	238	4,000
DF150APL3 DF150APX3 DF150APLW3 DF150APXW3				X	2,867	110	5,500	249	4,000
DF175APL3 DF175APX3 DF175APLW3 DF175APXW3				X	2,867	129	5,800	249	4,000
DF200ATL3 DF200ATX3 DF200ATLW3 DF200ATXW3 DF200ATXZ3 DF200ATXZW3 DF200ATLRSS3 DF200ATXRSS3				X	2,867	147	5,800	249	4,000
DF200APL3 DF200APX3 DF200APLW3 DF200APXW3				X	2,867	147	5,800	249	4,000