

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	MSKXM4.032K8	Gasoline	3614, 4028	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	16.10	*
CERTIFICATION LEVEL	13.43	93.4

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 12th 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					
DF225TX3 DF225TXW3 DF225TXZ3 DF225TXZW3				X	3,614	165	5500	312	4500
DF250TX3 DF250TXX3 DF250TXW3 DF250TXXW3 DF250TXZ3 DF250TXXZ3 DF250TXZW3 DF250TXXZW3				X	3,614	184	5800	314	4500
DF250SSTL3 DF250SSTX3 DF250TLSS3 DF250TXSS3				X	4,028	184	5800	343	4000
DF250APX3 DF250APXX3 DF250APXW3 DF250APXXW3				X	4,028	184	5800	338	4500
*DF300APL3 DF300APX3 DF300APXX3 DF300APLW3 DF300APXW3 DF300APXXW3				X	4,028	221	6000	343	4500