

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	EN	IGINE FAMILY	ENGINE TYP	E	FUEL TYPE	
2024	R	SKXM2.872K8	4-Stroke		Gasoline	
LEVEL OF CLEANLINESS		EMISSION CONTROL SYSTEMS & SPECIAL FEATURES		EQUIPMENT APPLICATION		
Ultra Low Emission ("Three Stars")		Heated Oxygen Sensor Multiport Fuel Injection		Outboard		

Engines certified by this Executive Order are further described in 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."

	HC+NOx (g/kW-hr)	CO (g/kW-hr)
STANDARD	*	300.0
FAMILY EMISSION LEVEL	16.30	*
CERTIFICATION LEVEL	13.17	63.1

^{*}not applicable

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 8th day of March 2023.

Robin U. Lang, Chief

Emissions Certification and Compliance Division

SIME Exhaust Model Summary Template (rev. 2020)

Date: 2023-01-20

Engine Family: RSKXM2.872K8

Model Summary

For CARB Use Only

Executive Order: U-W-002-0256
Attachment __1__of__1__

S12. S13. CA Only 49-State 50-State S15. S16. S17. S18. S19.		S14. Sales Codes (Check all appropriate)							
DF150ATIXS									S19. Peak Torque Speed (RPM)
DF150ATXS	254504745	45005			2.057	440	5.500	207	1.000
DESIGNATIVES 15003F							•		·
DF150ATMS					· · · · · · · · · · · · · · · · · · ·		·		· · · · · · · · · · · · · · · · · · ·
DELSARIZES 15003F X 2,867 110 5,500 237 4,000					,		·		·
DETSORTESS 15003F					· · · · · · · · · · · · · · · · · · ·		·		,
DF150ATXZS 150032 X 2,867 110 5,500 237 4,000 DF15ATXCWS 150032 X 2,867 119 5,500 238 4,000 DF15ATXDS 17503F X 2,867 129 5,800 238 4,000 DF15ATXDS 17503F X 2,867 129 5,800 238 4,000 DF175ATXDS 17503F X 2,867 129 5,800 238 4,000 DF175ATXWS 17503F X 2,867 129 5,800 238 4,000 DF175ATXWS 17503F X 2,867 129 5,800 238 4,000 DF175ATXWS 17503Z X 2,867 129 5,800 238 4,000 DF15ATXWS 17503Z X 2,867 129 5,800 238 4,000 DF15APXWS 15003P X 2,867 129 5,800 238 4,000 DF15APXWS					· · · · · · · · · · · · · · · · · · ·		·		
DFISAPLYS 150032					·		·		·
DF175ATLS					· '				,
DF175ATXS 17503F X 2,867 129 5,800 238 4,000 DF175ATXWS 17503F X 2,867 129 5,800 238 4,000 DF175ATXWS 17503F X 2,867 129 5,800 238 4,000 DF175ATXZYS 17503Z X 2,867 129 5,800 238 4,000 DF15ATXZYS 17503Z X 2,867 129 5,800 238 4,000 DF15APLS 15003P X 2,867 129 5,800 238 4,000 DF15APLS 15003P X 2,867 110 5,500 249 4,000 DF15APLS 15003P X 2,867 110 5,500 249 4,000 DF15APLYS 15003P X 2,867 110 5,500 249 4,000 DF15APLYWS 15003P X 2,867 110 5,500 249 4,000 DF175APLY					· · · · · · · · · · · · · · · · · · ·		·		
DF175ATLW5					,		·		·
DF175ATXW5					·		·		
DF175ATXZ5							•		·
DF175ATXZW5									·
DF150APLS					· · · · · · · · · · · · · · · · · · ·		·		· · · · · · · · · · · · · · · · · · ·
DF150APXS 15003P					·		·		·
DF150APLWS					· · · · · · · · · · · · · · · · · · ·		·		·
DF150APXW5 15003P X 2,867 110 5,500 249 4,000 DF175APL5 17503P X 2,867 129 5,800 249 4,000 DF175APXS 17503P X 2,867 129 5,800 249 4,000 DF175APXS 17503P X 2,867 129 5,800 249 4,000 DF175APXW5 17503P X 2,867 129 5,800 249 4,000 DF175APXW5 17503P X 2,867 129 5,800 249 4,000 DF175APXW5 17503P X 2,867 129 5,800 249 4,000 DF200ATL5 20003F X 2,867 147 5,800 249 4,000 DF200ATXS 20003F X 2,867 147 5,800 249 4,000 DF200ATXW5 20003F X 2,867 147 5,800 249 4,000 DF200ATXW5 20003F X 2,867 147 5,800 249 4,000 DF200ATXW5 20003F X 2,867 147 5,800 249 4,000 DF200ATXSS 20003Z X 2,867 147 5,800 249 4,000 DF200ATXZS 20003Z X 2,867 147 5,800 249 4,000 DF200ATXZS 20003P X 2,867 147 5,800 249 4,000 DF2					· · · · · · · · · · · · · · · · · · ·		·		·
DF175APLS							·		·
DF175APXS	DF150APXW5	15003P			2,867	110	5,500	249	4,000
DF175APLWS					· '		,		,
DF175APXW5	DF175APX5	17503P		Х	2,867	129	5,800	249	4,000
DF200ATL5 2003F X 2,867 147 5,800 249 4,000 DF200ATX5 2003F X 2,867 147 5,800 249 4,000 DF200ATLW5 2003F X 2,867 147 5,800 249 4,000 DF200ATXW5 2003F X 2,867 147 5,800 249 4,000 DF200ATXSS5 20003F X 2,867 147 5,800 249 4,000 DF200ATXSS5 20003F X 2,867 147 5,800 249 4,000 DF200ATXSS5 20003F X 2,867 147 5,800 249 4,000 DF200ATXZS5 20003Z X 2,867 147 5,800 249 4,000 DF200APLS 20003P X 2,867 147 5,800 249 4,000 DF200APLS 20003P X 2,867 147 5,800 249 4,000 DF200APLW5	DF175APLW5	17503P		Х	2,867	129	5,800	249	4,000
DF200ATX5 2003F X 2,867 147 5,800 249 4,000 DF200ATLW5 2003F X 2,867 147 5,800 249 4,000 DF200ATXW5 2003F X 2,867 147 5,800 249 4,000 DF200ATLSSS 2003F X 2,867 147 5,800 249 4,000 DF200ATXSSS 20003F X 2,867 147 5,800 249 4,000 DF200ATXZ5 20003Z X 2,867 147 5,800 249 4,000 DF200ATXZW5 20003Z X 2,867 147 5,800 249 4,000 DF200APLS 20003P X 2,867 147 5,800 249 4,000 DF200APLS 20003P X 2,867 147 5,800 249 4,000 DF200APLW5 20003P X 2,867 147 5,800 249 4,000	DF175APXW5			Х		129	5,800	249	4,000
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DF200ATXZ5 20003Z X 2,867 147 5,800 249 4,000 DF200ATXZW5 20003Z X 2,867 147 5,800 249 4,000 DF200APL5 20003P X 2,867 147 5,800 249 4,000 DF200APXS 20003P X 2,867 147 5,800 249 4,000 DF200APLW5 20003P X 2,867 147 5,800 249 4,000	DF200ATLSS5	20003F		Х	2,867	147	5,800	249	4,000
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DF200APL5 20003P X 2,867 147 5,800 249 4,000 DF200APX5 20003P X 2,867 147 5,800 249 4,000 DF200APLW5 20003P X 2,867 147 5,800 249 4,000	DF200ATXZ5	20003Z		Х	2,867	147	5,800	249	4,000
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DF200APLW5 20003P X 2,867 147 5,800 249 4,000	DF200APL5	20003P		Х	2,867	147	5,800	249	4,000
	DF200APX5	20003P		Х	2,867	147	5,800	249	4,000
DF200APXW5 20003P X 2,867 147 5,800 249 4,000	DF200APLW5	20003P		Х	2,867	147	5,800	249	4,000
	DF200APXW5	20003P		Х	2,867	147	5,800	249	4,000