

Pursuant to the authority vested in the 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-14-012;

**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
2017	HM9XM02.62G0	Gasoline	2598	Very Low Emission ("Two Stars")
EQUIPMENT APPLICATION		ECS & SPECIAL FEATURES		ENGINE TYPE
Outboard		Sequential Multiport Fuel Injection Supercharged with Water to Air Cooler		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	20.00	*
CERTIFICATION LEVEL	18.63	124.2

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.

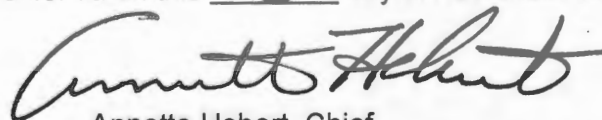
**BE IT FURTHER RESOLVED:** That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Sections 2443.1, 2443.2 and 2443.3 (emission control, consumer, and environmental labels), 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 3 day of November 2016.



Annette Hebert, Chief  
Emissions Compliance, Automotive Regulations and Science Division

Model Year: 2017  
 Manufacturer Name: Mercury Marine  
 Engine Family: HM9XM02.62G0  
**SI MARINE ENGINE SUPPLEMENT INFORMATION**

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S10. MODEL SUMMARY (Use asterisk to identify worst-case engine model used for certification testing)  
 \* Indicates emission certification engine (identical configuration to 1201V13KD)

S11 Model Designation	S12 Engine Code	S13 Sales Codes (Check all appropriate codes)			S14 Eng. Disp. (cc)	S15 Rated Power (kW)	S16 Rated Speed (RPM)	S17 Peak Torque (N-m)	S18 Peak Torque Speed
		Calif. Only	49 State	50-State					
1350V131D				X	2598	254	5800	434	4501
1350V141D				X	2598	254	5800	434	4501
1350V231D				X	2598	254	5800	434	4501
1350V241D				X	2598	254	5800	434	4501
1350V331D				X	2598	254	5800	434	4501
1350V341D				X	2598	254	5800	434	4501
1350V131C				X	2598	254	5800	434	4501
1350V141C				X	2598	254	5800	434	4501
1350V231C				X	2598	254	5800	434	4501
1350V241C				X	2598	254	5800	434	4501
1350V331C				X	2598	254	5800	434	4501
1350V341C				X	2598	254	5800	434	4501
1350V131Y				X	2598	254	5800	434	4501
1350V141Y				X	2598	254	5800	434	4501
1350V231Y				X	2598	254	5800	434	4501
1350V241Y				X	2598	254	5800	434	4501
1350V331Y				X	2598	254	5800	434	4501
1350V341Y				X	2598	254	5800	434	4501
1352V131D				X	2598	254	5800	434	4501
1352V231D				X	2598	254	5800	434	4501
1400V131C				X	2598	291	6995	440	4500
1400V131D				X	2598	291	6995	440	4500
1400V141C				X	2598	291	6995	440	4500
1400V141D				X	2598	291	6995	440	4500
1400V1D1C				X	2598	291	6995	440	4500
1400V1D1D				X	2598	291	6995	440	4500
1400V1E1C				X	2598	291	6995	440	4500
1400V1E1D				X	2598	291	6995	440	4500
1400V1Q1C				X	2598	291	6995	440	4500
1400V1Q1D				X	2598	291	6995	440	4500
1400V231C				X	2598	291	6995	440	4500
1400V231D				X	2598	291	6995	440	4500
1400V241C				X	2598	291	6995	440	4500
1400V241D				X	2598	291	6995	440	4500

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1400V2D1C			X	2598	291	6995	440	4500
1400V2D1D			X	2598	291	6995	440	4500
1400V2E1C			X	2598	291	6995	440	4500
1400V2E1D			X	2598	291	6995	440	4500
1400V2Q1C			X	2598	291	6995	440	4500
1400V2Q1D			X	2598	291	6995	440	4500
1400V331C			X	2598	291	6995	440	4500
1400V331D			X	2598	291	6995	440	4500
1400V341C			X	2598	291	6995	440	4500
1400V341D			X	2598	291	6995	440	4500
1400V3D1C			X	2598	291	6995	440	4500
1400V3D1D			X	2598	291	6995	440	4500
1400V3E1C			X	2598	291	6995	440	4500
1400V3E1D			X	2598	291	6995	440	4500
1401V131C			X	2598	291	6995	440	4500
1401V131D			X	2598	291	6995	440	4500
1401V141C			X	2598	291	6995	440	4500
1401V141D			X	2598	291	6995	440	4500
1401V231C			X	2598	291	6995	440	4500
1401V231D			X	2598	291	6995	440	4500
1401V241C			X	2598	291	6995	440	4500
1401V241D			X	2598	291	6995	440	4500
1401V331C			X	2598	291	6995	440	4500
1401V331D			X	2598	291	6995	440	4500
1401V341C			X	2598	291	6995	440	4500
1401V341D			X	2598	291	6995	440	4500
*1201V13LD			X	2598	161	6100	375	3250
1201V23LD			X	2598	161	6100	375	3250
1225V13LD			X	2598	165	6100	375	3500
1226V23LD			X	2598	165	6100	375	3500
1225V23LD			X	2598	165	6100	375	3500
1225V24LD			X	2598	165	6100	375	3500
1225V33LD			X	2598	165	6100	375	3500
1225V34LD			X	2598	165	6100	375	3500
1250V23LD			X	2598	184	6100	366	4750
1250V24LD			X	2598	184	6100	366	4750
1250V33LD			X	2598	184	6100	366	4750
1250V34LD			X	2598	184	6100	366	4750
1251V13LD			X	2598	184	6100	372	4750
1251V23LD			X	2598	184	6100	372	4750
1253V23LD			X	2598	184	6100	372	4750

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1253V24LD				X	2598	184	6100	372	4750
1253V33LD				X	2598	184	6100	372	4750
1253V34LD				X	2598	184	6100	372	4750
7250V23BD				X	2598	184	6100	366	4750
7250V24BD				X	2598	184	6100	366	4750
1302V13LD				X	2598	221	6100	385	4500
1302V23LD				X	2598	221	6100	385	4500
7300V23BD				X	2598	221	6100	385	4500
7300V24BD				X	2598	221	6100	385	4500
1300V13LD				X	2598	221	6100	385	4500
1300V14LD				X	2598	221	6100	385	4500
1300V23LD				X	2598	221	6100	385	4500
1300V24LD				X	2598	221	6100	385	4500
1300V33LD				X	2598	221	6100	385	4500
1300V34LD				X	2598	221	6100	385	4500
1301V13LD				X	2598	221	6100	385	4500
1301V14LD				X	2598	221	6100	385	4500
1301V23LD				X	2598	221	6100	385	4500
1301V24LD				X	2598	221	6100	385	4500
1301V33LD				X	2598	221	6100	385	4500
1301V34LD				X	2598	221	6100	385	4500
1303V13LD				X	2598	221	6100	385	4500
1303V14LD				X	2598	221	6100	385	4500
1303V23LD				X	2598	221	6100	385	4500
1303V24LD				X	2598	221	6100	385	4500
1303V33LD				X	2598	221	6100	385	4500
1303V34LD				X	2598	221	6100	385	4500
1300V13LC				X	2598	221	6100	385	4500
1300V14LC				X	2598	221	6100	385	4500
1300V23LC				X	2598	221	6100	385	4500
1300V24LC				X	2598	221	6100	385	4500
1300V33LC				X	2598	221	6100	385	4500
1300V34LC				X	2598	221	6100	385	4500
1301V13LC				X	2598	221	6100	385	4500
1301V14LC				X	2598	221	6100	385	4500
1301V23LC				X	2598	221	6100	385	4500
1301V24LC				X	2598	221	6100	385	4500
1301V33LC				X	2598	221	6100	385	4500
1301V34LC				X	2598	221	6100	385	4500
1303V13LC				X	2598	221	6100	385	4500
1303V14LC				X	2598	221	6100	385	4500

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1303V23LC				X	2598	221	6100	385	4500
1303V24LC				X	2598	221	6100	385	4500
1303V33LC				X	2598	221	6100	385	4500
1303V34LC				X	2598	221	6100	385	4500
1300V13LY				X	2598	221	6100	385	4500
1300V14LY				X	2598	221	6100	385	4500
1300V23LY				X	2598	221	6100	385	4500
1300V24LY				X	2598	221	6100	385	4500
1300V33LY				X	2598	221	6100	385	4500
1300V34LY				X	2598	221	6100	385	4500
1301V13LY				X	2598	221	6100	385	4500
1301V23LY				X	2598	221	6100	385	4500
1301V24LY				X	2598	221	6100	385	4500
1301V33LY				X	2598	221	6100	385	4500
1301V34LY				X	2598	221	6100	385	4500
1303V13LY				X	2598	221	6100	385	4500
1303V14LY				X	2598	221	6100	385	4500
1303V23LY				X	2598	221	6100	385	4500
1303V24LY				X	2598	221	6100	385	4500
1303V33LY				X	2598	221	6100	385	4500
1303V34LY				X	2598	221	6100	385	4500
1301V14LY				X	2598	221	6100	385	4500
1255V23LD				X	2598	184	6100	372	4750
1255V24LD				X	2598	184	6100	372	4750
1255V33LD				X	2598	184	6100	372	4750
1255V34LD				X	2598	184	6100	372	4750
1308V13LD				X	2598	221	6100	385	4500
1308V14LD				X	2598	221	6100	385	4500
1308V23LD				X	2598	221	6100	385	4500
1308V24LD				X	2598	221	6100	385	4500
1308V33LD				X	2598	221	6100	385	4500
1308V34LD				X	2598	221	6100	385	4500
1308V13LY				X	2598	221	6100	385	4500
1308V14LY				X	2598	221	6100	385	4500
1308V23LY				X	2598	221	6100	385	4500
1308V24LY				X	2598	221	6100	385	4500
1308V33LY				X	2598	221	6100	385	4500
1308V34LY				X	2598	221	6100	385	4500
1308V13LC				X	2598	221	6100	385	4500
1308V14LC				X	2598	221	6100	385	4500
1308V23LC				X	2598	221	6100	385	4500

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1308V24LC				X	2598	221	6100	385	4500
1308V33LC				X	2598	221	6100	385	4500
1308V34LC				X	2598	221	6100	385	4500
1307V13LD				X	2598	221	6100	385	4500
1307V14LD				X	2598	221	6100	385	4500
1307V23LD				X	2598	221	6100	385	4500
1307V24LD				X	2598	221	6100	385	4500
1307V33LD				X	2598	221	6100	385	4500
1307V34LD				X	2598	221	6100	385	4500
1307V13LY				X	2598	221	6100	385	4500
1307V14LY				X	2598	221	6100	385	4500
1307V23LY				X	2598	221	6100	385	4500
1307V24LY				X	2598	221	6100	385	4500
1307V33LY				X	2598	221	6100	385	4500
1307V34LY				X	2598	221	6100	385	4500
1307V13LC				X	2598	221	6100	385	4500
1307V14LC				X	2598	221	6100	385	4500
1307V23LC				X	2598	221	6100	385	4500
1307V24LC				X	2598	221	6100	385	4500
1307V33LC				X	2598	221	6100	385	4500
1307V34LC				X	2598	221	6100	385	4500
1358V131D				X	2598	254	5800	434	4501
1358V141D				X	2598	254	5800	434	4501
1358V231D				X	2598	254	5800	434	4501
1358V241D				X	2598	254	5800	434	4501
1358V331D				X	2598	254	5800	434	4501
1358V341D				X	2598	254	5800	434	4501
1358V131C				X	2598	254	5800	434	4501
1358V141C				X	2598	254	5800	434	4501
1358V231C				X	2598	254	5800	434	4501
1358V241C				X	2598	254	5800	434	4501
1358V331C				X	2598	254	5800	434	4501
1358V341C				X	2598	254	5800	434	4501
1358V131Y				X	2598	254	5800	434	4501
1358V141Y				X	2598	254	5800	434	4501
1358V231Y				X	2598	254	5800	434	4501
1358V241Y				X	2598	254	5800	434	4501
1358V331Y				X	2598	254	5800	434	4501
1358V341Y				X	2598	254	5800	434	4501
1225V14LD				X	2598	165	6100	375	3500
1300V23LP				X	2598	221	6100	385	4500

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1300V24LP				X	2598	221	6100	385	4500
1300V33LP				X	2598	221	6100	385	4500
1300V34LP				X	2598	221	6100	385	4500
1308V13LP				X	2598	221	6100	385	4500
1308V14LP				X	2598	221	6100	385	4500
1308V23LP				X	2598	221	6100	385	4500
1308V24LP				X	2598	221	6100	385	4500
1308V33LP				X	2598	221	6100	385	4500
1308V34LP				X	2598	221	6100	385	4500
1350V231P				X	2598	254	5800	434	4501
1350V241P				X	2598	254	5800	434	4501
1350V331P				X	2598	254	5800	434	4501
1350V341P				X	2598	254	5800	434	4501
1358V131P				X	2598	254	5800	434	4501
1358V141P				X	2598	254	5800	434	4501
1358V231P				X	2598	254	5800	434	4501
1358V241P				X	2598	254	5800	434	4501
1358V331P				X	2598	254	5800	434	4501
1358V341P				X	2598	254	5800	434	4501
1402V1D1D				X	2598	291	6995	440	4500
1402V1E1D				X	2598	291	6995	440	4500
1402V1D1C				X	2598	291	6995	440	4500
1402V1E1C				X	2598	291	6995	440	4500
1402V2D1D				X	2598	291	6995	440	4500
1402V2E1D				X	2598	291	6995	440	4500
1402V2D1C				X	2598	291	6995	440	4500
1402V2E1C				X	2598	291	6995	440	4500
1402V1Q1D				X	2598	291	6995	440	4500
1402V1Q1C				X	2598	291	6995	440	4500
19V19EMHH				X	2598	291	6995	440	4500
19V19ENHH				X	2598	291	6995	440	4500
1402V3Q1D				X	2598	291	6995	440	4500
1402V3Q1C				X	2598	291	6995	440	4500
1402V3R1D				X	2598	291	6995	440	4500
1402V3R1C				X	2598	291	6995	440	4500
1350V131P				X	2598	254	5800	434	4501
1350V141P				X	2598	254	5800	434	4501
1307V23LP				X	2598	221	6100	385	4500
1307V24LP				X	2598	221	6100	385	4500
<b>1400V131X</b>				<b>X</b>	<b>2598</b>	<b>291</b>	<b>6995</b>	<b>440</b>	<b>4500</b>
<b>1400V141X</b>				<b>X</b>	<b>2598</b>	<b>291</b>	<b>6995</b>	<b>440</b>	<b>4500</b>

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1400V231X				X	2598	291	6995	440	4500
1400V241X				X	2598	291	6995	440	4500
1400V331X				X	2598	291	6995	440	4500
1400V341X				X	2598	291	6995	440	4500
1400V1D1X				X	2598	291	6995	440	4500
1400V1E1X				X	2598	291	6995	440	4500
1400V2D1X				X	2598	291	6995	440	4500
1400V2E1X				X	2598	291	6995	440	4500
1400V3D1X				X	2598	291	6995	440	4500
1400V3E1X				X	2598	291	6995	440	4500
1400V1Q1X				X	2598	291	6995	440	4500
1400V2Q1X				X	2598	291	6995	440	4500
1401V131X				X	2598	291	6995	440	4500
1401V141X				X	2598	291	6995	440	4500
1401V231X				X	2598	291	6995	440	4500
1401V241X				X	2598	291	6995	440	4500
1401V331X				X	2598	291	6995	440	4500
1401V341X				X	2598	291	6995	440	4500
1402V1D1X				X	2598	291	6995	440	4500
1402V1E1X				X	2598	291	6995	440	4500
1402V2D1X				X	2598	291	6995	440	4500
1402V2E1X				X	2598	291	6995	440	4500
1402V1Q1X				X	2598	291	6995	440	4500
1402V3Q1X				X	2598	291	6995	440	4500
1402V3R1X				X	2598	291	6995	440	4500