

Pursuant to the authority vested in California Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; 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 equipment produced by the manufacturer is certified as described below. Production equipment shall be in all material respects the same as those for which certification is granted.

ENGINE DESCRIPTION			
MANUFACTURER	ENGINE FAMILY (E.O. NUMBER)	ENGINE SIZE (cc)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)
Kawasaki Heavy Industries, LTD.	See Attachment A	See Attachment A	Gasoline
Briggs & Stratton Corporation	See Attachment A	See Attachment A	
Kohler Company	See Attachment A	See Attachment A	
* TBC = To Be Certified			
EQUIPMENT DESCRIPTION			
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)	EQUIPMENT APPLICATION
2019	CC1	See Attachment B	Riding Mower, Tractor, Utility Vehicle, Commercial Turf, Bunker Rake, Aerator
EMISSION CONTROL SYSTEMS (ECS)		ENGINE and/or EQUIPMENT MODEL	
Canister/Co-extruded		See Attachment B	
<small>A. ECS TYPE (Venting Control Type/Tank Barrier Type): 1. Venting Control Type and Code:- Canister=C Sealed Tank=S Other=O 2. Tank Barrier Type and Code:- Metal=M Treated HDPE or PE=P Co-extruded=C Sclar=L Nylon=N Acetal=A Other=O B. EVAPORATIVE FAMILY 2-Letter CODE (Venting Control Codes =C, S, O); (Tank Barrier Codes = M, P, C, L, N, A, O) Note: Always list venting control type or code first before tank barrier type or code. Do not use abbreviations for ECS types.</small>			

The following are the evaporative emission standards (Title 13, California Code of Regulations, 13 CCR Section 2754(a) or 2754(b), as applicable), and certification levels in grams per day (g/day) or grams per square meter per day (g/m²/day) or grams per liter (g/l) for this evaporative family or the component Executive Order, as applicable. The running loss emissions control has been demonstrated by the manufacturer.

DESIGN BASED					
FUEL HOSE PERMEATION (grams ROG/m ² /day)		FUEL TANK PERMEATION (grams ROG/m ² /day)		CARBON CANISTER BUTANE WORKING CAPACITY (grams HC/liter)	
STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER
15	C-U-05-002, C-U-05-013, C-U-06-030A, Q-09-019A, Q-08-013, G-05-016, G-05-018, G-05-017A, Q-14-008	1.5	0.7	1.4	C-U-06-015, Q-09-027, Q-08-031, C-U-07-010

BE IT FURTHER RESOLVED: That for the listed equipment, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2759 (labeling) and 13 CCR Sections 2760 and 2764 (emission control system warranty).

Equipment certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Equipment in this family that is produced for any other model-year is not covered by this Executive Order.

Executed at El Monte, California on this 31st day of July 2018.


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

Attachment A

ENGINE DESCRIPTION			
MANUFACTURER	ENGINE FAMILY (E.O. NUMBER)	ENGINE SIZE (cc)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)
Briggs & Stratton Corporation	JBSXS.4792HH (U-U-002-1042) JBSXS.5402VL (U-U-002-1024) JBSXS.7242VA (U-U-002-1026-1) JBSXS.7242VE (U-U-002-1027) JKBSXS.8102VS (U-U-002-1028) HBSXS.4792HH (U-U-002-0974) HBSXS.5402VL (U-U-002-0960) HBSXS.7242VA (U-U-002-0961) HBSXS.7242VE (U-U-002-0962)	479 540 656 724, 810	Gasoline
Kohler Company	JKHXS.6742GC (U-U-005-0565) HKHXS.6742GC (U-U-005-0533)	674	Gasoline
Kawasaki Heavy Industries, Ltd.	JKAXS.4012CC (U-U-004-0741) JKAXS.6032CA (U-U-004-0743) JKAXS.6172CC (U-U-004-0746) JKAXS.6172CD (U-U-004-0747) JKAXS.7262CA (U-U-004-0750) JKAXS.7262CC (U-U-004-0752) JKAXS.8522CA (U-U-004-0758) JKAXS.7262CB (U-U-004-0751) HKAXS.4012CC (U-U-004-0713) HKAXS.6032CA (U-U-004-0715) HKAXS.6172CC (U-U-004-0705) HKAXS.7262CA (U-U-004-0709) HKAXS.7262CC (U-U-004-0707) HKAXS.8522CA (U-U-004-0711) HKAXS.6172CD (U-U-004-0704)	352, 401, 603, 617, 726, 852	Gasoline

S1. Worst Case (Check One)	S2. Engine or Equipment Model	S3. Sales Codes (check all appropriate)			S4. Engine Class (I or II)	S5. Fuel System (FI or carb)	S6. Fuel Tank Vol. (Liters)		S7. Fuel Tank Internal Surface Area (m ²)	S8. Fuel Line Type	S9. Nominal Fuel Line Length ⁽¹⁾ (mm)	S10. Fuel Line Inside Diameter (mm)	S11. Exhaust Family	S12. Fuel Tank Executive Order	S13. Fuel Line Executive Order	S14. Carbon Canister or Other Venting Control Executive Order
		CA Only	49-State	50-State			Total	Nominal								
	E160	X	X		II	Carb	12.1	9.1	0.35	Multi-Layer	2215	6.35	HBSXS.7242VE JBSXS.7242VE	See Certification Data	C-U-05-002 C-U-05-013 C-U-06-030A G-05-016 G-05-018 Q-14-008	C-U-06-015
	E170, E180	X	X		II	Carb	12.1	9.1	0.35	Multi-Layer	2215	6.35	HBSXS.7242VA JBSXS.7242VE	See Certification Data	C-U-05-002 C-U-05-013 C-U-06-030A G-05-016 G-05-018 Q-14-008	C-U-06-015
	S240	X	X		II	Carb	12.1	9.1	0.35	Multi-Layer	1980	6.35	HKAXS.6032CA JKAXS.6032CA	See Certification Data	C-U-05-013 G-05-018 Q-8-013 Q-14-008	C-U-06-015
	TS Gator			X	II	Carb	22.3	18.9	0.54	Multi-Layer	1050	6.35	HKAXS.4012CD JKAXS.4012CD	See Certification Data	G-05-018 Q-09-019A	C-U-06-015
	TX Gator	X	X		II	Carb	22.3	18.9	0.54	Multi-Layer	1230	6.35	HKAXS.4012CC JKAXS.4012CC	See Certification Data	G-05-018 Q-09-019A	C-U-06-015
	TX Turf Gator			X	II	Carb	22.3	18.9	0.54	Multi-Layer	1230	6.35	HKAXS.4012CC JKAXS.4012CC	See Certification Data	G-05-018 Q-09-019A	C-U-06-015
	X350, X354	X	X		II	Carb	13.7	12.5	0.52	Multi-Layer	1900	6.35	HKAXS.6032CA JKAXS.6032CA	See Certification Data	G-05-018 Q-09-019A	C-U-06-015
	X350R	X	X		II	Carb	9.0	7.6	0.43	Multi-Layer	1385	6.35	HKAXS.6032CA JKAXS.6032CA	See Certification Data	G-05-018 Q-09-019A	C-U-06-015
	X380	X	X		II	Carb	13.7	12.5	0.52	Multi-Layer	1900	6.35	HKAXS.7262CA JKAXS.7262CA	See Certification Data	G-05-018 Q-09-019A	C-U-06-015
	X570	X	X		II	Carb	19.3	16.7	0.88	Multi-Layer	1900	6.35	HKAXS.7262CA JKAXS.7262CA	See Certification Data	G-05-018 Q-09-019A	C-U-06-015

Small Off-Road Evaporative Certification Database Form (Supplementary Information)

MODEL SUMMARY

S1. Worst Case (Check One)	S2. Engine or Equipment Model	S3. Sales Codes (check all appropriate)			S4. Engine Class (I or II)	S5. Fuel System (FI or carb)	S6. Fuel Tank Vol. (Liters)		S7. Fuel Tank Internal Surface Area (m ²)	S8. Fuel Line Type	S9. Nominal Fuel Line Length ⁽¹⁾ (mm)	S10. Fuel Line Inside Diameter (mm)	S11. Exhaust Family	S12. Fuel Tank Executive Order	S13. Fuel Line Executive Order	S14. Carbon Canister or Other Venting Control Executive Order
		CA Only	49-State	50-State			Total	Nominal								
	1200A			X	II	Carb	15.0	13.6	0.41	Multi-Layer	2100	6.35	HKAXS.4012CC JKAXS.4012CC	See Certification Data	C-U-05-013 G-05-018 Q-08-013 Q-14-008	C-U-07-010
	2500B, 2500E Hybrid			X	II	Carb	42.8	29.9	0.95	Multi-Layer	475	6.35	HKAXS.6172CC JKAXS.6172CC	See Certification Data	C-U-05-013 G-05-018 Q-08-013 Q-14-008	Q-08-031
	1200H			X	II	Carb	18.9	14.8	0.42	Multi-layer	525	6.35	HBSXS.4792HH JBSXS.4792HH	See Certification Data	C-U-05-002 C-U-05-013 C-U-06-030A G-05-016 G-05-018 Q-14-008	C-U-06-015
	E110	X	X		II	Carb	12.1	9.1	0.35	Multi-Layer	1980	6.35	HBSXS.5402VL JBSXS.5402VL	See Certification Data	C-U-05-002 C-U-05-013 C-U-06-030A G-05-016 G-05-018 Q-14-008	C-U-06-015
	E120	X	X		II	Carb	12.1	9.1	0.35	Multi-Layer	1980	6.35	HBSXS.7242VE JBSXS.7242VE	See Certification Data	C-U-05-002 C-U-05-013 C-U-06-030A G-05-016 G-05-018 Q-14-008	C-U-06-015
	E130, E140, E150	X	X		II	Carb	12.1	9.1	0.35	Multi-Layer	2215	6.35	HBSXS.7242VE JBSXS.7242VE	See Certification Data	C-U-05-002 C-U-05-013 C-U-06-030A G-05-016 G-05-018 Q-14-008	C-U-06-015

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		CA Only	49-State	50-State			Total	Nominal								
	Z335E Z335M Z345M Z345R Z355E Z355R	X	X		II	Carb	12.1	7.9	0.35	Multi-Layer	1295	6.35	HBSXS.7242VE JBSXS.7242VE	See Certification Data	C-U-05-002 C-U-05-013 C-U-06-030A G-05-016 G-05-018 Q-14-008	C-U-06-015
	Z375R Z525E	X	X		II	Carb	19.3	17	0.47	Multi-Layer	1200	6.35	HBSXS.7242VA JBSXS.7242VA	See Certification Data	C-U-05-002 C-U-05-013 C-U-06-030A G-05-016 G-05-018 Q-14-008	C-U-06-015
	Z535M	X	X		II	Carb	19.3	17	0.47	Multi-Layer	1200	6.35	JBSXS.8102VS	See Certification Data	C-U-05-002 C-U-05-013 C-U-06-030A G-05-016 G-05-018 Q-14-008	C-U-06-015
	Z920M	X	X	X	II	Carb	48.3	42.3	1.2	Multi-Layer	1055	6.35	HKAXS.7262CC JKAXS.7262CA	See Certification Data	C-U-05-013 G-05-017A G-05-018 Q-14-008	Q-09-027
X	Z930M	X	X		II	Carb	48.3	42.3	1.2	Multi-Layer	855	6.35	HKAXS.8522CA JKAXS.8522CA	See Certification Data	C-U-05-013 G-05-017A G-05-018 Q-14-008	Q-09-027
	HPX 615E			X	II	Carb	25.0	20.0	0.48	Multi-Layer	1230	6.35	HKAXS.6172CD JKAXS.6172CD	See Certification Data	G-05-018 Q-09-019A	Q-08-031
	Z720E			X	II	Carb	40.8	31.5	1.04	Multi-Layer	1120	6.35	JKAXS.7262CB	See Certification Data	G-05-018 Q-09-019A	Q-08-031
	Z730M			X	II	Carb	40.8	31.5	1.04	Multi-Layer	980	6.35	JKAXS.7262CA	See Certification Data	G-05-018 Q-09-019A	Q-08-031
	Z735E Z735M			X	II	Carb	40.8	31.5	1.04	Multi-Layer	1190	6.35	JBSXS.8102VS	See Certification Data	G-05-018 Q-09-019A	Q-08-031

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		CA Only	49-State	50-State			Total	Nominal								
	Z740R			X	II	Carb	40.8	31.5	1.04	Multi-Layer	1120	6.35	JKAXS.7262CC	See Certification Data	G-05-018 Q-09-019A	Q-08-031

(1) The nominal fuel line lengths can be grouped into increment of ± 3 inches (76 mm)

SUPERSEDED