CALIFORNIA

AIR RESOURCES BOARD



EXECUTIVE ORDER U-U-027-0275-1 New Off-Road Small Spark-Ignition Equipment

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-19-095;

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)							
BRIGGS & STRATTON, LLC	LBSXS.5002VV (U-U-002-1099) MBSXS.5002VV (TBC) LBSXS.7242VE (U-U-002-1111) MBSXS.7242VE (TBC)	500, 656,724								
LONCIN MOTOR CO., LTD.	LCGPS.4522PN (U-U-145-0416) MCGPS.4522PN (U-U-145-0479) LCGPS.6082PN (U-U-145-0417) MCGPS.6082PN (U-U-145-0480)	413,432, 452,546, 608	Gasoline							
KAWASAKI HEAVY INDUSTRIES, LTD.	MKAXS.6032CD (U-U-004-0843)	603								

S.A. = See Attachment TBC = To Be Certified

EQUIPMENT DESCRIPTION

MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK NOMINAL CAPACITY EQUIPMENT APPLICATION (liters)				
2021	GNXECP00001	See Attachment	Brushcutter, Walk-Behind Mower and Other			
EMISSION	I CONTROL SYSTEMS (ECS)		ENGINE and/or EQUIPMENT MODEL			
	СР	See Attachment				

A. ECS TYPE (Venting Control Type/Tank Barrier Type): 1. <u>Venting Control Type and Code</u>:- Canister=C Sealed Tank=S Other=O 2. <u>Tank Barrier Type and Code</u>:- Metal=M Treated HDPE or PE=P Co-extruded=C Selar=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). <u>Note</u>: Always list venting control type or code first before tank barrier type or code. Do not use abbreviations for ECS types.

The following are the evaporative emission standards (Title 13, California Code of Regulations, 13 CCR Section 2754, as applicable), and certification levels in g organic material hydrocarbon equivalent day or g ROG·m²-day or grams per liter for this evaporative family or the component Executive Order, as applicable. The running loss emissions control has been demonstrated by the manufacturer.

DIURNAL EMISSION STANDARD (g organic material hydrocarbon equivalent·day¹) 1.20 + 0.056 × Nominal Capacity (L)									
FUEL LINE PERMEATION (g ROG·m²-day¹)			FANK PERMEATION ROG·m ⁻² ·day ⁻¹)	CARBON CANISTER BUTANE WORKING CAPACITY (grams per liter)					
STANDARD CERTIFICATION LEVEL OR EXECUTIVE ORDER		STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER				
15	See Attachment	1.5	1.5 See Attachment		See Attachment				

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), Section 2774 (bond requirements) 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 evaporative 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.

This Executive Order hereby supersedes Executive Order U-U-027-0275 dated November 23, 2020.

Executed on this 2nd day of April 2021.

Allen Lyons, Chief

Emissions Certification and Compliance Division

Date: _3/1/2021_ Evaporative Family: __GNXECP00001__ For CARB Use Only Executive Order: U-U-027-0275-1 Attachment _1_of_1_

Model Summary

		Sales Codes (Chec				Se Fuel Tank Vo									
S1. Worst Case (Check One)	S2. Model	Calif. Only	50-State	S4. Engine Class (I or II)	S5. Fuel System (FI or CARB)	Total	Nominal	S7. Fuel Tank Internal Surface Area (m^2)	S8. Fuel Line Type (e.g. Single or Multi-Layer)	S9. Nominal Fuel Line Length (mm)	S10. Fuel Line Inside Diameter (mm)	S11. Engine Family	S12. Fuel Tank Executive Order	S13. Fuel Line Executive Order	S14. Carbon Canister (or Working Capacity (g/L)/ Other Venting Control Executive Order)
х	PBTV656LGE1		х	II	CARB	8.64	8	0.2713	Multi-layer	1067	6.35	MBSXS.7242VE LBSXS.7242VE	Q-19-016	Q-19-002	Q-19-087
	PBSV500LGE1		х	II	CARB	8.64	8	0.2713	Multi-layer	1067	6.35	MBSXS.5002VV LBSXS.5002VV	Q-19-016	Q-19-002	Q-19-087
	PBSV500LGE2		х	II	CARB	8.64	8	0.2713	Multi-layer	1067	6.35	MBSXS.5002VV LBSXS.5002VV	Q-19-016	Q-19-002	Q-19-087
	PBSV500LGE2		х	II	CARB	10.4	10.1	0.268	Multi-layer	1143	6.35	MBSXS.5002VV LBSXS.5002VV	Q-19-016	Q-19-002	Q-19-087
	PLSV452LGE1		х	II	CARB	8.64	8	0.2713	Multi-layer	1067	6.35	MCGPS.4522PN LCGPS.4522PN	Q-19-016	Q-19-002	Q-19-087
	PLSV608LGE1 PKTV603LGE1		^	II	CARB CARB	8.64 8.64	8	0.2713 0.2713	Multi-layer Multi-layer	1067 1067	6.35 6.35	MCGPS.6082PN LCGPS.6082PN MKAXS.6032CD	Q-19-016 Q-19-016	Q-19-002 Q-19-002	Q-19-087 Q-19-087
	PKIV603LGEI		X		CARB	8.04	0	0.2713	Multi-layer	1067	0.35	IVIKAXS.6032CD	Q-19-016	Q-19-002	Q-19-087