CALIFORNIA AIR RESOURCES BOARD	LONCIN MOTOR CO., LTD.	EXECUTIVE ORDER U-U-145-0444 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)
LONCIN MOTOR CO., LTD.	LCGPS.4202GR (U-U-145-0413)	389, 420	Gasoline

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

EQUIPMENT DESCRIPTION

MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK NOMINAL CAPACITY (liters)	EQUIPMENT APPLICATION
2020	CGPCM420R	See Attachment	Brushcutter, Compressor, Edger, Generator Set, Lawn and Garden Tractor, Leaf Blower/Vacuum, Pressure Washer, Pump, Tiller

EMISSION CONTROL SYSTEMS (ECS)	ENGINE and/or EQUIPMENT MODEL
Canister/Metal	See Attachment

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 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). Note: 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^{-1} or g ROG·m^{-2}·day^{-1} 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·day^{-1})					
1.20 + 0.056 × Nominal Capacity (L)					
FUEL LINE PERMEATION (g ROG·m^{-2}·day^{-1})		FUEL TANK PERMEATION (g 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	See Attachment	1.4	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.

Executed at El Monte, California on this 18TH day of December 2019.

Allen Lyons, Chief
Emissions Certification and Compliance Division

For CARB Use Only
Executive Order: U-U- 145-0444
Attachment 1 of 1

Small Off-Road Evaporative Certification Database Form

RC # 1

01-16-2020

MODEL SUMMARY

S1. Worst Case (Check One)	S2. Model	S3. Sales Codes (check all appropriate)		S4. Engine Class (I or II)	S5. Fuel System (FI or CARB)	S6. Fuel Tank Volume (Liters)		S7. Fuel Tank Internal Surface Area (m^2)	S8. Fuel Line Type (e.g. Single or Multi-layer)	S9. Nominal Fuel Line Length[1] (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
		CA Only	50-State			Total	Nominal								
	G390FA,G390FDA, G420FA,G420FDA, LC188F		X	II	CA LEV III fuel	6.8	5.8	0.2179	multilayer	<=300	4 or greater	LCGPS.4202GR	Q-19-023		Q-19-093
	G390FA,G390FDA, G420FA,G420FDA, LC188F		X	II	CA LEV III fuel	32	30	0.814	multilayer	<=300	4 or greater	LCGPS.4202GR	Q-19-007 Q-19-007A		Q-19-099
	G390FA,G390FDA, G420FA,G420FDA, LC188F		X	II	CA LEV III fuel	30.5	28	0.729	multilayer	<=300	4 or greater	LCGPS.4202GR	Q-19-007 Q-19-007A		Q-19-099
	G390FA,G390FDA, G420FA,G420FDA, LC188F		X	II	CA LEV III fuel	28	23.8	0.671	multilayer	<=300	4 or greater	LCGPS.4202GR	Q-19-023		Q-19-066
	G390FA,G390FDA, G420FA,G420FDA, LC188F		X	II	CA LEV III fuel	29.5	24	0.681	multilayer	<=300	4 or greater	LCGPS.4202GR	Q-19-062	Q-18-024 (Q-13-013) Q-19-013A (C-U-05-012) Q-19-002 (G-05-018)	Q-19-066
X	G390FA,G390FDA, G420FA,G420FDA, LC188F		X	II	CA LEV III fuel	35	32	0.645	multilayer	<=300	4 or greater	LCGPS.4202GR	Q-19-007 Q-19-007A		Q-19-099
	G390FA,G390FDA, G420FA,G420FDA, LC188F		X	II	CA LEV III fuel	30.5	28	0.729	multilayer	<=300	4 or greater	LCGPS.4202GR	Q-19-007 Q-19-007A		Q-19-099
	G390FA,G390FDA, G420FA,G420FDA, LC188F		X	II	CA LEV III fuel	35	32	0.802	multilayer	<=300	4 or greater	LCGPS.4202GR	Q-19-007 Q-19-007A		Q-19-099
	G390FA,G390FDA, G420FA,G420FDA, LC188F		X	II	CA LEV III fuel	35	29.7	0.7071	multilayer	<=300	4 or greater	LCGPS.4202GR	Q-19-023		Q-19-099
	G390FA,G390FDA, G420FA,G420FDA, LC188F		X	II	CA LEV III fuel	38	32	0.7551	multilayer	<=300	4 or greater	LCGPS.4202GR	Q-19-023		Q-19-099
	G390FA,G390FDA, G420FA,G420FDA, LC188F		X	II	CA LEV III fuel	28.5	24.2	0.657	multilayer	<=300	4 or greater	LCGPS.4202GR	Q-19-023		Q-19-066