

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)
Chongqing Rato Technology Co., Ltd.	LCRPS.5002GV (U-U-169-0340)	500, 459, 439	Gasoline, Gasoline-LPG dual-fuel
	LCRPS.5002GN (U-U-169-0339)	500, 459, 439	
	LCRPS.4202GA (U-U-169-0335)	420, 389	
	LCRPS.4202GP (U-U-169-0336)	420, 389	
	LCRPS.3012GA (U-U-169-0332-1)	301, 292	
	LCRPS.6702GC (U-U-169-0352)	670	
	LCRPS.6702GA (U-U-169-0351)	670	
	LCRPS.5002GP (TBC)	500, 459	
S.A. = See Attachment TBC = To Be Certified			
EQUIPMENT DESCRIPTION			
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK NOMINAL CAPACITY (liters)	EQUIPMENT APPLICATION
2020	CRPCM670	24, 25, 27, 31, 3.9, 16, 22.5, 30, 28, 17, 42, 15, 50, 29.1, 30.3, 21.5	Compressor, Generator Set
EMISSION CONTROL SYSTEMS (ECS)		ENGINE and/or EQUIPMENT MODEL	
CM		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 Sela=L Nylon=N Aceta=FA 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	Q-18-031A (Q-10-003), Q-18-018 (Q-17-043), Q-19-119 (Q-15-010), Q-20-001	1.5	Q-19-132, Q-19-023, Q-19-010, Q-19-007B, Q-19-132A	1.4	Q-19-022 (Q-11-024), Q-19-020 (Q-11-023), Q-18-016 (C-U-07-022), Q-19-019 (Q-16-008), Q-19-021 (Q-17-061), Q-18-012 (C-U-07-021), Q-18-027, Q-19-004, Q-19-029

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.



Chongqing Rato Technology Co., Ltd.

EXECUTIVE ORDER U-U-169-0365-1
New Off-Road Small Spark-Ignition
Equipment

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-169-0365 dated February 19, 2020.

Executed on this 25TH day of June 2020.

A handwritten signature in blue ink, appearing to read 'Allen Lyons'.

Allen Lyons, Chief
Emissions Certification and Compliance Division

Small Off-Road Evaporative Certification Database Form

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								
	R9500DP, R9500P		X	II	CARB	27	24	0.74	Multi-layer	≤400	4 or greater	LCRPS.5002GV LCRPS.5002GP	Q-19-132	Q-18-031A (Q-10-003) Q-18-018 (Q-17-043) Q-19-119 (Q-15-010) Q-20-001	Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
	R9500DP-M		X	II	CARB	30	27	0.68							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
	R9500DP-6, R9500P-6, XP13000E, DS13000EH XPxxxx* , DSxxxx*		X	II	CARB	34	31	0.7							Q-18-016 (C-U-07-022) Q-19-021 (Q-17-061)
	R9000DP-6, XP12000E, DS12000E XPxxxx* , DSxxxx*		X	II	CARB	34	31	0.7							Q-18-016 (C-U-07-022) Q-19-021 (Q-17-061)
						27	25	0.69							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)

	R8000P, R8000DP, R8000DP-T		X	II	CARB	27	24	0.74	Multi- layer	≤400	4 or greater	LCRPS.5002GV	Q-19-132	Q-18-031A (Q-10-003) Q-18-018 (Q-17-043) Q-19-119 (Q-15-010) Q-20-001	Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
						27	25	0.69							Q-18-016 (C-U-07-022) Q-19-021 (Q-17-061)
	R8000DP-6, XP10000E DS1000E XPxxxx*, DSxxxx*		X	II	CARB	34	31	0.7							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
						27	25	0.69							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
	R9500DPN, R9500PN		X	II	CARB	27	24	0.74							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
						27	25	0.69							Q-18-016 (C-U-07-022) Q-19-021 (Q-17-061)
	R9500DPN-6, R9500PN-6, DS13000EH,X P13000EH XPxxxx*, DSxxxx*		X	II	CARB	34	31	0.7							Q-18-016 (C-U-07-022) Q-19-021 (Q-17-061)
															Q-18-016 (C-U-07-022) Q-19-021 (Q-17-061)
	R9000DPN-6, XP12000EH, DS12000EH XPxxxx*, DSxxxx*		X	II	CARB	34	31	0.7							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
						27	25	0.69							Q-18-016 (C-U-07-022) Q-19-021 (Q-17-061)
	R8000DPN-6, XP10000EH XPxxxx*, DSxxxx*		X	II	CARB	34	31	0.7	Q-18-016 (C-U-07-022) Q-19-021 (Q-17-061)						
						27	25	0.69	Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)						

	R420/K420, R390,R420P , R390P		X	II	CARB	4.78	3.9	0.16	Multi- layer	≤400	4 or greater	LCRPS.4202GA LCRPS.4202GP	Q-19-132	Q-18-031A (Q-10-003) Q-18-018 (Q-17-043) Q-19-119 (Q-15-010) Q-20-001	Q-18-012 (C-U-07-021)
	R8000iDP		X	II	CARB	18.5	16	0.57							Q-19-029
		24				22.5	0.58	Q-19-019 (Q-16-008)							
	R7100P-8, R7100DP-8, 68529,6852 6, 68530, 68525		X	II	CARB	27	24	0.67							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
		31.5				30	0.7	Q-19-019 (Q-16-008) Q-18-016 (C-U-07-022)							
	R7100DP-9		X	II	CARB	30	28	0.71							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
	R7100P,R71 00DP, R7100DP-T, WEN9000E		X	II	CARB	27	24	0.74							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
		27				25	0.69	Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)							
	R7100DP-M, PR-G8000M- E, GEN8000 -XXXX*		X	II	CARB	30	27	0.68							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
	R7100DP-3		X	II	CARB	27	24	0.67							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
	R6000P-3, R6000DP-3		X	II	CARB	27	24	0.67	Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)						

	R6000P, R6000DP		X	II	CARB	27 27	24 25	0.74 0.69	Multi- layer	≤400	4 or greater	LCRPS.4202GA LCRPS.4202GP	Q-19-132	Q-18-031A (Q-10-003) Q-18-018 (Q-17-043) Q-19-119 (Q-15-010) Q-20-001	Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
	R6000DP-8		X	II	CARB	27 31.5	24 30	0.67 0.7							Q-19-019 (Q-16-008) Q-18-016 (C-U-07-022)
	R6000P-9, R6000DP-9		X	II	CARB	30	28	0.71							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
	R6000P-M, R6000DP-M, PR-G6000M, GEN6000- XXXX*		X	II	CARB	30	27	0.68							Q-18-012 (C-U-07-021)
	R300/K300		X	II	CARB	4.78	3.9	0.16							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
	R5000P, R5000DP		X	II	CARB	27	24	0.74							Q-19-019 (Q-16-008) Q-18-016 (C-U-07-022)
	R5000P-8, R5000DP-8		X	II	CARB	31.5 27	30 24	0.7 0.67							Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)
	R5500iDP, R5500iP R5500iDPN, R5500iPN		X	II	CARB	18.5	16	0.57							Q-19-029

	R5500DP, R5500P		X	II	CARB	20	17	0.53	Multi-layer	≤400	4 or greater	LCRPS.3012GA	Q-19-132	Q-18-031A (Q-10-003)	Q-19-029 Q-18-027		
	R12000DP-2, WX11000, PCC141100, 61725		X	II	CARB	31	28	0.59		≤1700	4 or greater	LCRPS.6702GA			Q-19-132	Q-18-031A (Q-10-003)	Q-19-022 (Q-11-024)
	R12000DP-A, RP12000E, RP12000 RPxxxx*		X	II	CARB	36	30	0.87				LCRPS.6702GA					Q-19-132
	R12000DP-A, RP12000E, RP12000 RPxxxx*		X	II	CARB	47	42	0.97					LCRPS.6702GA	Q-19-132			
	R670		X	II	CARB	16.5	15	0.37		LCRPS.6702GA	Q-19-132				Q-18-018 (Q-17-043)	Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022)	
X	R11500DP-4		X	II	CARB	60	50	1.1				LCRPS.6702GC				Q-19-132	Q-18-018 (Q-17-043)
	R9500P-P R9500DP-P R9000DP-P		X	II	CARB	35	29.1	0.751					LCRPS.5002GV LCRPS.5002GP	Q-19-023 Q-19-010			
	R6000P-P R6000DP-P		X	II	CARB	36	30.3	0.766		LCRPS.4202GA	Q-19-132A Q-19-023				Q-18-018 (Q-17-043)		
	R7100P-S R7100DP-S		X	II	CARB	28.8	21.5	0.702				LCRPS.4202GA				Q-19-132	Q-18-018 (Q-17-043)
	R7100P-S R7100DP-S		X	II	CARB	30	28	0.765					LCRPS.4202GA	Q-19-132			
	R7100P-S R7100DP-S		X	II	CARB	30	28	0.71	LCRPS.4202GA	Q-19-132	Q-18-018 (Q-17-043)				Q-19-019 (Q-16-008) Q-19-020 (Q-11-023) Q-18-016 (C-U-07-022) Q-19-021 (Q-17-061)		

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

* xxxx is a suffix composed of letters and/or numbers, representing non-emission related features.