

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.	MCRPS.0991GA (U-U-169-0382)	99	Gasoline
	MCRPS.1791GC (U-U-169-0388)	179	
	MCRPS.2121GC (U-U-169-0418)	212, 209	
	MCRPS.2121GA (U-U-169-0391)	212	
	MCRPS.2241GA (U-U-169-0404)	224, 223	
S.A. = See Attachment TBC = To Be Certified			
EQUIPMENT DESCRIPTION			
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK NOMINAL CAPACITY (liters)	EQUIPMENT APPLICATION
2021	CRPCM225	See Attachment	Chipper/Shredder, Compressor, Generator Set, Hedge Trimmer, Line Trimmer, Log Splitter, Stump Grinder, Tiller
EMISSION CONTROL SYSTEMS (ECS)		ENGINE and/or EQUIPMENT MODEL	
CM		See Attachment	
<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 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.</small>			

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)					
0.95 + 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	1.0, 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 on this 12th day of January 2021.



Allen Lyons, Chief
 Emissions Certification and Compliance Division

Date: 05/06/2021
 Evaporative Family: CRPCM225

For CARB Use Only
 Executive Order: U-U-169-0436
 Attachment _1_of_7_
 RC1: 7-6-21

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 (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)
		Calif. Only	50-State			Total	Nominal								
	R210/K210, R210-S		X	I	CARB	3.41	2.73	0.16	Multi-Layer	≤350	4 or greater	MCRPS.2121GC	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-19-092 Q-19-026
	R210/K210, R210-S		X	I	CARB	3.41	2.73	0.16	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC	Q-19-132	Q-20-046	Q-19-092 Q-19-026
	R180-3, K180		X	I	CARB	3.41	2.73	0.16	Multi-Layer	≤350	4 or greater	MCRPS.1791GC	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-19-092 Q-19-026
	R180-3, K180		X	I	CARB	3.41	2.73	0.16	Multi-Layer	≤350	4.5 or greater	MCRPS.1791GC	Q-19-132	Q-20-046	Q-19-092 Q-19-026
	R3100P-9, R3100DP-9 R3500P-9 R3500DP-9		X	I	CARB	20	17	0.53	Multi-Layer	≤350	4 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-19-029
	R3100P-9, R3100DP-9 R3500P-9 R3500DP-9		X	I	CARB	20	17	0.53	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-20-046	Q-18-014 Q-19-029
	R3100P-8, R3100DP-8, 63960, R3500P-8, R3500DP-8		X	I	CARB	15	14.5	0.46	Multi-Layer	≤350	4 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-19-029
	R3100P-8, R3100DP-8, 63960, R3500P-8, R3500DP-8		X	I	CARB	15	14.5	0.46	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-20-046	Q-18-014 Q-19-029
X	R3100P-8, R3100DP-8, 63960, R3500P-8, R3500DP-8		X	I	CARB	20	18	0.5	Multi-Layer	≤350	4 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-18-027
	R3100P-8, R3100DP-8, 63960, R3500P-8, R3500DP-8		X	I	CARB	20	18	0.5	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-20-046	Q-18-014 Q-18-027
	R3100P-3, R3100DP-3 R3500P-3 R3500DP-3		X	I	CARB	15	12	0.44	Multi-Layer	≤350	4 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-19-029

Date: 05/06/2021
 Evaporative Family: CRPCM225

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		Calif. Only	50-State			Total	Nominal								
	R3100P-3, R3100DP-3 R3500P-3 R3500DP-3		X	I	CARB	15	12	0.44	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-20-046	Q-18-014 Q-19-029
	R3500iP, R3500iDP. GN400i		X	I	CARB	7.5	7	0.25	Multi-Layer	≤350	4 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-20-013 Q-19-029
	R3500iP, R3500iDP. GN400i		X	I	CARB	7.5	7	0.25	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-20-046	Q-20-013 Q-19-029
	R3500iP, R3500iDP. GN400i		X	I	CARB	8	7	0.25	Multi-Layer	≤350	4 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-20-013 Q-19-029
	R3500iP, R3500iDP. GN400i		X	I	CARB	8	7	0.25	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-20-046	Q-20-013 Q-19-029
	R3100P, R3100DP, POWERPRO- xxxx*, 56475 56035T, WENxxxx*, R3500P, R3500DP		X	I	CARB	15	12	0.43	Multi-Layer	≤350	4 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-19-029
	R3100P, R3100DP, POWERPRO- xxxx*, 56475 56035T, WENxxxx*, R3500P, R3500DP		X	I	CARB	15	12	0.43	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-20-046	Q-18-014 Q-19-029

Date: _05/06/2021_____
 Evaporative Family: ___CRPCM225_____

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		Calif. Only	50-State			Total	Nominal								
	R3100P, R3100DP, POWERPRO-xxxx*, 56475 56035T, WENxxxx* R3500P, R3500DP		X	I	CARB	15	13	0.46	Multi-Layer	≤350	4 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-19-029
	R3100P, R3100DP, POWERPRO-xxxx*, 56475 56035T, WENxxxx* R3500P, R3500DP		X	I	CARB	15	13	0.46	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-20-046	Q-18-014 Q-19-029
	R3100P-M, R3100DP-M, GEN3600-xxxx*, PR-G3600M R3500P-M, R3500DP-M		X	I	CARB	17	15	0.5	Multi-Layer	≤350	4 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-19-029
	R3100P-M, R3100DP-M, GEN3600-xxxx*, PR-G3600M R3500P-M, R3500DP-M		X	I	CARB	17	15	0.5	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC MCRPS.2241GA	Q-19-132	Q-20-046	Q-18-014 Q-19-029
	R3100P-S R3100DP-S R3500iP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYi4022X RYi4022VNM RYi4022CVNM		X	I	CARB	7.5	7	0.25	Multi-Layer	≤350	4 or greater	MCRPS.2121GA MCRPS.2121GC	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-20-013 Q-19-029

Date: 05/06/2021
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 Executive Order: U-U-169-0436
 Attachment 4 of 7
 RC1: 7-6-21

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		Calif. Only	50-State			Total	Nominal								
	R3100P-S R3100DP-S R3500iP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYI4022X RYI4022VNM RYI4022CVNM		X	I	CARB	7.5	7	0.25	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GA MCRPS.2121GC	Q-19-132	Q-20-046	Q-20-013 Q-19-029
	R3100P-S R3100DP-S R3500iP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYI4022X RYI4022VNM RYI4022CVNM		X	I	CARB	15	13	0.72	Multi-Layer	≤350	4 or greater	MCRPS.2121GA MCRPS.2121GC	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-19-029 Q-19-042
	R3100P-S R3100DP-S R3500iP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYI4022X RYI4022VNM RYI4022CVNM		X	I	CARB	15	13	0.72	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GA MCRPS.2121GC	Q-19-132	Q-20-046	Q-18-014 Q-19-029 Q-19-042

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		Calif. Only	50-State			Total	Nominal								
	R3100P-S R3100DP-S R3500iP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYI4022X RYI4022VNM RYI4022CVNM		X	I	CARB	17	15	0.5	Multi-Layer	≤350	4 or greater	MCRPS.2121GA MCRPS.2121GC	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-19-029 Q-19-042
	R3100P-S R3100DP-S R3500iP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYI4022X RYI4022VNM RYI4022CVNM		X	I	CARB	17	15	0.5	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GA MCRPS.2121GC	Q-19-132	Q-20-046	Q-18-014 Q-19-029 Q-19-042
	R3100P-S R3100DP-S R3500iP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYI4022X RYI4022VNM RYI4022CVNM		X	I	CARB	12.5	11.5	0.34	Multi-Layer	≤350	4 or greater	MCRPS.2121GA MCRPS.2121GC	Q-19-132B	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-19-029 Q-19-042
	R3100P-S R3100DP-S R3500iP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYI4022X RYI4022VNM RYI4022CVNM		X	I	CARB	12.5	11.5	0.34	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GA MCRPS.2121GC	Q-19-132B	Q-20-046	Q-18-014 Q-19-029 Q-19-042

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		Calif. Only	50-State			Total	Nominal								
	R3100P-S R3100DP-S R3500iP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYI4022X RYI4022VNM RYI4022CVNM		X	I	CARB	16	15	0.499	Multi-Layer	≤350	4 or greater	MCRPS.2121GA MCRPS.2121GC	Q-19-007B Q-19-132C	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-19-029 Q-19-042
	R3100P-S R3100DP-S R3500iP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYI4022X RYI4022VNM RYI4022CVNM		X	I	CARB	16	15	0.499	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GA MCRPS.2121GC	Q-19-007B Q-19-132C	Q-20-046	Q-18-014 Q-19-029 Q-19-042
	R3000iSP, R3000iEP		X	I	CARB	8.5	7	0.38	Multi-Layer	≤350	4 or greater	MCRPS.2121GC	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-18-014 Q-19-029 Q-20-013
	R3000iSP, R3000iEP		X	I	CARB	8.5	7	0.38	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC	Q-19-132	Q-20-046	Q-18-014 Q-19-029 Q-20-013
	R3000iEP-2, R3000iSP-2		X	I	CARB	11	10	0.42	Multi-Layer	≤350	4 or greater	MCRPS.2121GC	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-20-013
	R3000iEP-2, R3000iSP-2		X	I	CARB	11	10	0.42	Multi-Layer	≤350	4.5 or greater	MCRPS.2121GC	Q-19-132	Q-20-046	Q-20-013
	R4000iSP-R R4000iEP-R		X	I	CARB	10.5	8.5	0.32	Multi-Layer	≤350	4 or greater	MCRPS.2241GA	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-20-013 Q-20-014
	R4000iSP-R R4000iEP-R		X	I	CARB	10.5	8.5	0.32	Multi-Layer	≤350	4.5 or greater	MCRPS.2241GA	Q-19-132	Q-20-046	Q-20-013 Q-20-014
	R4000iSP-A R4000iEP-A		X	I	CARB	10	8	0.33	Multi-Layer	≤350	4 or greater	MCRPS.2241GA	Q-19-132	Q-18-031A Q-18-018 Q-19-119 Q-20-001	Q-20-013 Q-20-014

