

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.	PCRPS.4202GV (U-U-169-0561)	420	Gasoline, Gasoline-LPG dual-fuel
	PCRPS.4202GA (U-U-169-0558)	420, 389	
	PCRPS.4202GP (U-U-169-0560)	420, 389	
	PCRPS.3382GA (U-U-169-0538)	338, 301	
	PCRPS.5002GV (U-U-169-0564)	500, 439	
	PCRPS.5002GN (U-U-169-0562)	500, 439	
TBC = To Be Certified			
EQUIPMENT DESCRIPTION			
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK NOMINAL CAPACITY (liters)	EQUIPMENT APPLICATION
2023	CRPCM2R	See Attachment	Brushcutter, Chipper/Shredder, Compressor, Hedge Trimmer, Leaf Blower/Vacuum, Line Trimmer, Log Splitter, Non-Backpack Blower, Pressure Washer, 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 standard (Title 13, California Code of Regulations, Section 2754 or 2754.1, as applicable), and certification level in g organic material hydrocarbon equivalent-day⁻¹. The running loss emissions control has been demonstrated by the manufacturer.

DIURNAL EMISSION STANDARD (g organic material hydrocarbon equivalent-day ⁻¹)			
STANDARD	EVAPORATIVE FAMILY EMISSION LIMIT DIFFERENTIAL (EFELD)	EVAPORATIVE MODEL EMISSION LIMIT (EMEL)	CERTIFICATION LEVEL
1.20 + 0.056 × Nominal Capacity (L)	*	= (STANDARD) – (EFELD)	1.3

BE IT FURTHER RESOLVED: That the evaporative model emission limit (EMEL), as applicable, is the diurnal or hot soak plus diurnal emission rate declared by the manufacturer based on evaporative emissions test results for the model of engine or equipment model within the evaporative family that is expected to exhibit the highest evaporative emission rate relative to the applicable diurnal or hot soak plus diurnal emission standard, obtained by following TP-902. No engine or equipment emissions within the evaporative family can have a diurnal emissions rate that is higher than the final declared EMEL established by final test data pursuant to TP-902.

BE IT FURTHER RESOLVED: That the evaporative family emission limit differential (EFELD), as applicable, is an emission rate differential between the diurnal or hot soak plus diurnal emission standard in Tables 1, 2 or 3 of section 2754(a) for the model of engine or equipment within the evaporative family that is expected to exhibit the highest evaporative emission rate relative to the applicable diurnal or hot soak plus diurnal emission standard and the EMEL declared for the model and is applicable to the entire evaporative family represented by the model. The EFELD is used to determine the EO holder's compliance with the applicable diurnal emission standard, on a corporate average basis, for any equipment within this evaporative family. (See Title 13 CCR Section 2754.1(f).)

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 Title 13 CCR Section 2759 (labeling), Section 2774 (bond requirements) and 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-169-0576 dated July 12, 2022.

Executed on this 19th day of April 2023.



Robin U. Lang, Chief
Emissions Certification and Compliance Division

Date: _1/30/2023____
 Evaporative Family: ___CRPCM2R_____

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								
	R420-V R420N		X	II	CARB	6.045	5.325	0.197	Multi-Layer	≤350	4 or greater	PCRPS.4202GV	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.84
	R420-V R420N		X	II	CARB	6.78	5.935	0.225	Multi-Layer	≤350	4 or greater	PCRPS.4202GV	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.65
	R390		X	II	CARB	6.045	5.325	0.197	Multi-Layer	≤350	4 or greater	PCRPS.4202GA	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.84
	R390		X	II	CARB	6.78	5.935	0.225	Multi-Layer	≤350	4 or greater	PCRPS.4202GA	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.65
	R390		X	II	CARB	5.0	4.5	0.168	Multi-Layer	≤350	4 or greater	PCRPS.4202GA	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	2.18
X	R420		X	II	CARB	6.78	5.935	0.225	Multi-Layer	≤350	4 or greater	PCRPS.4202GA	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.65
	K420		X	II	CARB	6.78	5.935	0.225	Multi-Layer	≤350	4 or greater	PCRPS.4202GA	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.65
	R420 K420		X	II	CARB	6.045	5.325	0.197	Multi-Layer	≤350	4 or greater	PCRPS.4202GA	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.84

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		Calif. Only	50-State			Total	Nominal								
	R420 K420		X	II	CARB	5.0	4.5	0.168	Multi-Layer	≤350	4 or greater	PCRPS.4202GA	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	2.18
	R390P R420P		X	II	CARB	6.045	5.325	0.197	Multi-Layer	≤350	4 or greater	PCRPS.4202GP	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.84
	R390P R420P		X	II	CARB	6.9	5.5	0.23	Multi-Layer	≤350	4 or greater	PCRPS.4202GP	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.78
	R338		X	II	CARB	6.045	5.325	0.197	Multi-Layer	≤350	4 or greater	PCRPS.3382GA	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.84
	R300-V		X	II	CARB	6.045	5.325	0.197	Multi-Layer	≤350	4 or greater	PCRPS.3382GA	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.84
	R440N		X	II	CARB	6.045	5.325	0.197	Multi-Layer	≤350	4 or greater	PCRPS.5002GN	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.84
	R500N-V		X	II	CARB	6.78	5.10	0.224	Multi-Layer	≤350	4 or greater	PCRPS.5002GN	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.92
	R440		X	II	CARB	6.045	5.325	0.197	Multi-Layer	≤350	4 or greater	PCRPS.5002GV	N/A	Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007	1.84

