

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.5002GV (U-U-169-0564)	500, 459, 439	Gasoline, Gasoline-LPG dual-fuel, Gasoline-LPG-CNG tri-fuel
	PCRPS.5002GN (U-U-169-0562)	500, 459, 458, 439	
	PCRPS.4202GA (U-U-169-0558)	420, 389	
	PCRPS.3012GA (U-U-169-0556)	301, 292	
	PCRPS.6702GC (U-U-169-0565)	670	
	PCRPS.7392GA (U-U-169-0567)	739, 670	
	PCRPS.5002GF (U-U-169-0566)	500	
S.A. = See Attachment TBC = To Be Certified			
EQUIPMENT DESCRIPTION			
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK NOMINAL CAPACITY (liters)	EQUIPMENT APPLICATION
2023	CRPCM670	See Attachment	Compressor, Generator Set
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<sup>-1</sup> or g ROG·m<sup>-2</sup>·day<sup>-1</sup> 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 <sup>-1</sup> )					
1.20 + 0.056 × Nominal Capacity (L)					
FUEL LINE PERMEATION (g ROG·m <sup>-2</sup> ·day <sup>-1</sup> )		FUEL TANK PERMEATION (g ROG·m <sup>-2</sup> ·day <sup>-1</sup> )		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 on this 12<sup>th</sup> day of July 2022.



Robin U. Lang, Chief  
 Emissions Certification and Compliance Division

Date: \_03/20/2022\_\_\_\_  
 Evaporative Family: \_\_\_CRPCM670\_\_\_\_\_

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								
	R9500(D)P(N) R9500(D)P(T) DFxxxx*	X	II	CARB	27.0	24.0	0.74	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030	
	R9500(D)P(N) R9500(D)P(T) DFxxxx*	X	II	CARB	27.0	25.0	0.69	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030	
	R9500(D)P(N) R9500(D)P(T) DFxxxx*	X	II	CARB	34.0	31.0	0.70	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-019 Q-22-030 Q-22-026	
	R9500(D)P(N)-M R9500(D)P(T)-M GEN-10000-xxxx* PR-Gxxxx*	X	II	CARB	30.0	27.0	0.68	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-018 Q-22-019 Q-22-023 Q-22-029 Q-22-030	
	R9500(D)P(N)-F R9500(D)P(T)-F ESxxxx* PGxxxx*	X	II	CARB	30.0	27.0	0.68	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-018 Q-22-019 Q-22-023 Q-22-029 Q-22-030	
	R9500(D)P(N)-6, R9500(D)P(T)-6 XPxxxx*, DSxxxx*	X	II	CARB	34.0	31.0	0.70	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-019 Q-22-030 Q-22-026	
	R9000(D)P(N)-6, R9000(D)P(T)-6, XPxxxx*, DSxxxx*	X	II	CARB	34.0	31.0	0.70	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-019 Q-22-030 Q-22-026	
	R9000(D)P(N)-6, R9000(D)P(T)-6, XPxxxx*, DSxxxx*	X	II	CARB	27.0	25.0	0.69	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030	

Date: 03/20/2022  
 Evaporative Family: CRPCM670

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								
	R8000(D)P(N) R8000(D)P(N)-T		X	II	CARB	27.0	24.0	0.74	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-22-029 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R8000(D)P(N) R8000(D)P(N)-T		X	II	CARB	27.0	25.0	0.69	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R8000(D)P(N)-6 XPxxxx*, DSxxxx*		X	II	CARB	34.0	31.0	0.70	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-019 Q-22-030 Q-22-026
	R8000(D)P(N)-6 XPxxxx*, DSxxxx*		X	II	CARB	27.0	25.0	0.69	Multi-Layer	≤500	4 or greater	PCRPS.5002GV PCRPS.5002GN	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R9500AiDF-xxxx*, D12000iE		X	II	FI	36.0	30.0	0.87	Multi-Layer	≤700	3 or greater	PCRPS.5002GF	Q-19-132	Q-22-033 Q-19-085	Q-19-066 Q-22-019 Q-22-023 Q-22-029 Q-22-030
	R420/K420, R390		X	II	CARB	4.78	3.90	0.16	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-065 Q-20-014 Q-22-013 Q-22-022 Q-22-024
	R8000iDP 57480 GNxxxx*		X	II	CARB	18.5	16.0	0.57	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-015 Q-22-016 Q-22-025 Q-22-027 Q-22-028
	R8000iDP 57480 GNxxxx*		X	II	CARB	24.0	22.5	0.58	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030

Date: 03/20/2022  
 Evaporative Family: CRPCM670

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								
	R7100(D)P-8 63968		X	II	CARB	27.0	24.0	0.67	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R7100(D)P-8 63968		X	II	CARB	31.5	30	0.7	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-019 Q-22-023 Q-22-029 Q-22-030
	R7100(D)P-9		X	II	CARB	30.0	28.0	0.71	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-018 Q-22-019 Q-22-023 Q-22-029 Q-22-030
	R7100(D)P, R7100(D)P-T, WENxxxx* 56877		X	II	CARB	27.0	24.0	0.74	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R7100(D)P, R7100(D)P-T, WENxxxx* 56877		X	II	CARB	27.0	25.0	0.69	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R7100(D)P-M, PR-Gxxxx* GEN8000- xxxx*		X	II	CARB	30.0	27.0	0.68	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-018 Q-22-019 Q-22-023 Q-22-029 Q-22-030
	R7100(D)P-F ESxxxx* PGxxxx*		X	II	CARB	30.0	27.0	0.68	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-018 Q-22-019 Q-22-023 Q-22-029 Q-22-030

Date: 03/20/2022  
 Evaporative Family: CRPCM670

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								
	R7100(D)P-3		X	II	CARB	27.0	24.0	0.67	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R7100(D)P-S RY906500S RY906500VNM RY9065001VNM RY906500CVNM RY905500		X	II	CARB	30.0	28.0	0.71	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-018 Q-22-019 Q-22-023 Q-22-029 Q-22-030
	R7100(D)P-S RY906500S RY906500VNM RY9065001VNM RY906500CVNM RY905500		X	II	CARB	28.00	24.60	0.72	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132C	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-018 Q-22-019 Q-22-023 Q-22-029 Q-22-030
	R6000(D)P-3		X	II	CARB	27.0	24.0	0.67	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R6000(D)P		X	II	CARB	27.0	24.0	0.74	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R6000(D)P		X	II	CARB	27.0	25.0	0.69	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R6000(D)P-8		X	II	CARB	27.0	24.0	0.67	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R6000(D)P-8		X	II	CARB	31.5	30.0	0.70	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-019 Q-22-023 Q-22-029 Q-22-030

Date: 03/20/2022  
 Evaporative Family: CRPCM670

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								
	R6000(D)P-9		X	II	CARB	30.0	28.0	0.71	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-018 Q-22-019 Q-22-023 Q-22-029 Q-22-030
	R6000(D)P-M, PR-Gxxxx*, GEN6000- xxxx*		X	II	CARB	30.0	27.0	0.68	Multi-Layer	≤500	4 or greater	PCRPS.4202GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-018 Q-22-019 Q-22-023 Q-22-029 Q-22-030
	R300/K300 R290-S		X	II	CARB	4.78	3.90	0.16	Multi-Layer	≤500	4 or greater	PCRPS.3012GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-065 Q-20-014 Q-22-013 Q-22-022 Q-22-024
	R5000(D)P(N)		X	II	CARB	27.0	24.0	0.74	Multi-Layer	≤500	4 or greater	PCRPS.3012GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030
	R5500(D)P(N)		X	II	CARB	20.0	17.0	0.53	Multi-Layer	≤500	4 or greater	PCRPS.3012GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-063 Q-22-016 Q-22-017 Q-22-023 Q-22-025 Q-22-027
	R5500(D)P(N)-8 63964		X	II	CARB	31.5	30.0	0.70	Multi-Layer	≤500	4 or greater	PCRPS.3012GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-019 Q-22-023 Q-22-029 Q-22-030
	R5500(D)P(N)-8 63964		X	II	CARB	27.0	24.0	0.67	Multi-Layer	≤500	4 or greater	PCRPS.3012GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-018 Q-22-023 Q-22-029 Q-22-030

Date: 03/20/2022  
 Evaporative Family: CRPCM670

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								
	R5500i(D)P(N), GNxxxx*	X	II	CARB	18.5	16.0	0.57	Multi-Layer	≤500	4 or greater	PCRPS.3012GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-22-027 Q-22-028	Q-19-063 Q-22-016 Q-22-017 Q-22-023 Q-22-025 Q-22-027 Q-22-028	
	R5500(D)P(N)	X	II	CARB	19.00	16.80	0.54	Multi-Layer	≤500	4 or greater	PCRPS.3012GA	Q-19-132C	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-063 Q-22-016 Q-22-017 Q-22-023 Q-22-025 Q-22-027	
	R5500AiD-xxxx* D6000i(E)	X	II	CARB	23.00	20.00	0.60	Multi-Layer	≤500	4 or greater	PCRPS.3012GA	Q-19-132C	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-017 Q-22-023 Q-22-027 Q-22-029 Q-22-030	
	R12000DP-2, WXxxxx*, PCC xxxx*, 61725	X	II	CARB	31.0	28.0	0.59	Multi-Layer	≤ 1700	4 or greater	PCRPS.7392GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-018 Q-22-019 Q-22-023 Q-22-029 Q-22-030	
	R12000DP-A R12000DP(N)(-xxxx*) R13000DP(N)(-xxxx*)	X	II	CARB	36.0	30.0	0.87	Multi-Layer	≤ 1700	4 or greater	PCRPS.7392GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-19-066 Q-22-019 Q-22-023 Q-22-029 Q-22-030	
	R12000DP-A R12000DP(N)(-xxxx*) R13000DP(N)(-xxxx*)	X	II	CARB	47.0	42.0	0.97	Multi-Layer	≤ 1700	4 or greater	PCRPS.7392GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-020 Q-22-026	
	R670	X	II	CARB	16.5	15.0	0.37	Multi-Layer	≤ 1700	4 or greater	PCRPS.7392GA	Q-19-132	Q-22-033 Q-19-119 Q-20-001 Q-21-007	Q-22-023 Q-22-025 Q-22-027 Q-22-028 Q-22-029	

