

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.1791GC (U-U-169-0523) PCRPS.2121GC (U-U-169-0536) PCRPS.2121GA (U-U-169-0525) PCRPS.2241GA (U-U-169-0535) PCRPS.0991GC (U-U-169-0522) | 179 212, 209 212 223, 224 99 | Gasoline, Gasoline-LPG dual-fuel |
| S.A. = See Attachment TBC = To Be Certified | | | |
| EQUIPMENT DESCRIPTION | | | |
| MODEL YEAR | EVAPORATIVE FAMILY | FUEL TANK NOMINAL CAPACITY (liters) | EQUIPMENT APPLICATION |
| 2023 | 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 July 2022.



Robin U. Lang, Chief
 Emissions Certification and Compliance Division

Date: 07/10/2023
 Evaporative Family: CRPCM225

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 | PCRPS.2121GC | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-19-092 Q-22-021 |
| | R180-3, K180 | | X | I | CARB | 3.41 | 2.73 | 0.16 | Multi-Layer | ≤350 | 4 or greater | PCRPS.1791GC | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-19-092 Q-22-021 |
| | R3100P-9 R3100DP-9 R3500P-9 R3500DP-9 | | X | I | CARB | 20.0 | 17.0 | 0.53 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-19-063 Q-22-016 Q-22-025 Q-22-027 |
| | R3100P-8 R3100DP-8 63960 R3500P-8 R3500DP-8 R3500PN-8 R3500DPN-8 | | X | I | CARB | 15.0 | 14.5 | 0.46 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-22-015 Q-22-016 Q-22-025 Q-22-027 Q-22-028 |
| X | R3100P-8 R3100DP-8 63960 R3500P-8 R3500DP-8 R3500PN-8 R3500DPN-8 | | X | I | CARB | 20.0 | 18.0 | 0.50 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-22-016 Q-22-017 Q-22-025 Q-22-027 |
| | R3100P-3 R3100DP-3 R3500P-3 R3500DP-3 R3500PN-3 R3500DPN-3 | | X | I | CARB | 15.00 | 12.00 | 0.44 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-19-063 Q-22-015 Q-22-016 Q-22-025 Q-22-027 Q-22-028 |

Date: 07/10/2023
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|----------------------------------|---|--|----------|-------------------------------|---------------------------------|----------------------------------|---------|--|--|--------------------------------------|--|------------------------------|-----------------------------------|---|--|
| | | Calif. Only | 50-State | | | Total | Nominal | | | | | | | | |
| | R3500iP R3500iDP R3500iPN R3500iDPN DFxxxx* GN xxxx* GEN-3500-xxxx* | X | I | | CARB | 7.50 | 7.00 | 0.25 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-20-013 Q-20-014 Q-22-013 Q-22-022 Q-22-025 Q-22-028 Q-22-037 |
| | R3500iP R3500iDP R3500iPN R3500iDPN DFxxxx* GN xxxx* GEN-3500-xxxx* | X | I | | CARB | 8.00 | 7.00 | 0.25 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-20-013 Q-20-014 Q-22-013 Q-22-022 Q-22-025 Q-22-028 Q-22-037 |
| | R3100P R3100DP POWERPRO- xxxx*, 56475 56035T, WENxxxx* R3500P R3500DP R3500DPN R3500PN | X | I | | CARB | 15.00 | 12.00 | 0.43 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-22-015 Q-22-025 Q-22-028 |
| | R3100P R3100DP POWERPRO- xxxx*, 56475 56035T, WENxxxx* R3500P R3500DP R3500DPN R3500PN | X | I | | CARB | 15.00 | 13.00 | 0.46 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-22-015 Q-22-025 Q-22-028 |

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|--|--|---|----------|-------------------------------------|---------------------------------------|-------------------------------------|---------|---|---|--|---|------------------------------|--------------------------------------|---|---|
| | | Calif. Only | 50-State | | | Total | Nominal | | | | | | | | |
| | R3100P R3100DP POWERPRO- xxxx*, 56475 56035T, WENxxxx* R3500P R3500DP R3500DPN R3500PN | X | I | | CARB | 17.0 | 15.0 | 0.50 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-22-015 Q-22-025 Q-22-028 |
| | R3100P-M R3100DP-M, GEN3600-xxxx*, PR-G3600M R3500P-M R3500DP-M | X | I | | CARB | 17.0 | 15.0 | 0.50 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-22-015 Q-22-016 Q-22-025 Q-22-028 |
| | R3100P-S R3500iP-S R3100DP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYI4022X RYI4022VNM RYI4022CVNM | X | I | | CARB | 7.50 | 7.00 | 0.25 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GA PCRPS.2121GC | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-20-013 Q-20-014 Q-22-014 Q-22-022 Q-22-028 Q-22-037 |
| | R3100P-S R3500iP-S R3100DP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYI4022X RYI4022VNM RYI4022CVNM | X | I | | CARB | 15.0 | 13.0 | 0.72 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GA PCRPS.2121GC | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-22-014 Q-22-015 Q-22-025 Q-22-028 |

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|--|--|---|----------|-------------------------------------|---------------------------------------|-------------------------------------|---------|---|---|--|---|------------------------------|--------------------------------------|---|---|
| | | Calif. Only | 50-State | | | Total | Nominal | | | | | | | | |
| | R3100P-S R3500iP-S R3100DP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYi4022X RYi4022VNM RYi4022CVNM | X | I | | CARB | 12.50 | 11.50 | 0.34 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GA PCRPS.2121GC | Q-19-132B | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-22-014 Q-22-015 Q-22-025 Q-22-028 |
| | R3100P-S R3500iP-S R3100DP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYi4022X RYi4022VNM RYi4022CVNM | X | I | | CARB | 17.0 | 15.0 | 0.50 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GA PCRPS.2121GC | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-22-015 Q-22-025 Q-22-028 |
| | R3100P-S R3500iP-S R3100DP-S R3500iDP-S RY9C3501 BM903600 BM903631VNM BM903631CVNM RYi4022X RYi4022VNM RYi4022CVNM | X | I | | CARB | 16.00 | 15.00 | 0.499 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GA PCRPS.2121GC | Q-19-007B Q-19-132C | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-18-014A Q-22-015 Q-22-025 Q-22-028 |
| | R3000iSP, R3000iEP, GEN-3000-xxxx* | X | I | | CARB | 8.50 | 7.00 | 0.38 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-20-013 Q-20-014 Q-22-013 Q-22-022 Q-22-025 Q-22-028 Q-22-037 |

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|--|--|---|----------|-------------------------------------|---------------------------------------|-------------------------------------|---------|---|---|--|---|-----------------------|--------------------------------------|---|---|
| | | Calif. Only | 50-State | | | Total | Nominal | | | | | | | | |
| | R3000iEP-2, R3000iSP-2 | X | I | | CARB | 11.00 | 10.00 | 0.42 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2121GC | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-20-013 Q-22-028 Q-22-037 |
| | R4000iSP-R R4000iEP-R R4000iSPN-R R4000iEPN-R HDxxxx* | X | I | | CARB | 10.50 | 8.50 | 0.32 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-20-013 Q-20-014 Q-22-022 Q-22-037 |
| | R4000iSP-A R4000iEP-A R4000iSPN-A R4000iEPN-A GEN-4000- xxxx* | X | I | | CARB | 10.00 | 8.00 | 0.33 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-20-013 Q-20-014 Q-22-022 Q-22-037 |
| | R4000iSP-C R4000iEP-C R4000iSPN-C R4000iEPN-C R3500iSP-C R3500iEP-C R3500iSPN-C R3500iEPN-C | X | I | | CARB | 9.00 | 8.80 | 0.30 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-20-013 Q-20-014 Q-22-037 |
| | R4000iSP-2 R4000iEP-2 R4000iSPN-2 R4000iEPN-2 | X | I | | CARB | 11.00 | 9.50 | 0.42 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2241GA | Q-19-132 | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-20-013 Q-20-014 Q-22-028 Q-22-037 |
| | R4000iP-3 | X | I | | CARB | 16.00 | 14.20 | 0.45 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2241GA | Q-19-132C | Q-18-031B Q-22-033 Q-19-119 Q-20-001 Q-21-007 | Q-22-028 |
| | R3500P-F R3500DP-F R3500PN-F R3500DPN-F ES xxxx* PG xxxx* | X | I | | CARB | 17.80 | 15.50 | 0.45 | Multi-Layer | ≤350 | 4 or greater | PCRPS.2241GA | Q-19-132C | Q-18-031B 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 |

