

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 ZONGSHEN GENERAL POWER MACHINE CO., LTD. | NCZHS.2722H2 (U-U-082-0505) | 272 | Gasoline, Gasoline-LPG Dual-Fuel |
| | NCZHS.2722HG (U-U-082-0506) | 272 | |
| | NCZHS.2922HG (U-U-082-0502) | 292 | |
| | NCZHS.3892DG (U-U-082-0519) | 389 | |
| | NCZHS.4592DF (U-U-082-0514) | 420, 439, 459 | |
| | NCZHS.4592DG (U-U-082-0515) | 420, 439, 459 | |
| | NCZHS.4592H1 (U-U-082-0512) | 420, 439, 459 | |
| | NCZHS.4592HG (U-U-082-0513) | 420, 439, 459 | |
| | NCZHS.4592HS (U-U-082-0536) | 459 | |
| | NCZHS.6792HG (U-U-082-0517) | 625, 679 | |
| | NCZHS.7502HG (U-U-082-0516) | 679, 750 | |
| | NCZHS.2722DF (U-U-082-0545) | 272 | |
| | S.A. = See Attachment TBC = To Be Certified | | |
| EQUIPMENT DESCRIPTION | | | |
| MODEL YEAR | EVAPORATIVE FAMILY | FUEL TANK NOMINAL CAPACITY (liters) | EQUIPMENT APPLICATION |
| 2022 | CZHCMH4 | See Attachment | Brushcutter, Compressor, Generator Set, Logsplitter, Non-Backpack Blower, Pressure Washer, Pump, Stump Grinder, Tiller, Other |
| EMISSION CONTROL SYSTEMS (ECS) | | ENGINE and/or EQUIPMENT MODEL | |
| Canister/Metal | | 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) | | | | | |
|---|--|---|--|--|--|
| 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 | 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 1st day of January 2022.

Allen Lyons, Chief
Emissions Certification and Compliance Division

SUPERSEDED

Date: 10/11/21
 Evaporative Family: CZHCMH4

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 | | | | | | | | |
| | GB675_ GB620_ GB620-01_ GB620-2_ GB750_ GB750-2_ GB750-2-01_ GB750-2-02_ GB680_ GB680-2_ GB680-2-01_ PB15000_ PH13500_ PB12000_ PB11000 | | X | II | CARB | 55 | 44 | 0.951 | Multilayer | <=300 | 4.0 or greater | NCZHS.7502HG NCZHS.6792HG | Q-19-010, Q-19-023, Q-19-075 | Q-19-002, Q-19-119, Q-20-001 | Q-19-022, Q-19-056 |
| X | GB675_ GB620_ GB620-01_ GB620-2_ GB750_ GB750-2_ GB750-2-01_ GB750-2-02_ GB680_ GB680-2_ GB680-2-01_ PB15000_ PH13500_ PB12000_ PB11000 | | X | II | CARB | 55 | 50 | 0.951 | Multilayer | <=300 | 4.0 or greater | NCZHS.7502HG NCZHS.6792HG | Q-19-010, Q-19-023, Q-19-075 | Q-19-002, Q-19-119, Q-20-001 | Q-19-022, Q-19-056 |
| | GB420M-2_ P56000_ QPL-7000DF GB420M-2-02 | | X | II | CARB | 28.33 | 25 | 0.669 | Multilayer | <=220 | 4.0 or greater | NCZHS.4592DF | Q-19-078 | Q-19-002, Q-19-119, Q-20-001 | Q-19-066, Q-19-019, Q-19-020 |
| | GB270_ GB270-2-C1_ 100556 PB5000 | | X | II | CARB | 23 | 17.8 | 0.539 | Multilayer | <=150 | 4.0 or greater | NCZHS.2722H2 NCZHS.2722HG | Q-19-010, Q-19-023, Q-19-075 | Q-19-002, Q-19-119, Q-20-001 | Q-19-018 |
| | GB270-2_ GB270-2-01_ BPB4500 | | X | II | CARB | 11.3 | 9.6 | 0.292 | Multilayer | <=330 | 4.0 or greater | NCZHS.2722H2 | Q-19-010 | Q-19-002, Q-19-119, Q-20-001 | Q-19-029, Q-19-042 |

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|----------------------------------|--|---|----------|----------------------------------|------------------------------------|----------------------------------|---------|---|--|--|---|--|--------------------------------------|--------------------------------------|---|
| | | Calif. Only | 50-State | | | Total | Nominal | | | | | | | | |
| | FH440M_ GB420-2_ GB420-2-02_ GB420-2-04_ GB420-2-09_ GB420M-2_ GB420M-2-01_ GB420M-2-05_ GN9500_ PB8000_ PS6000_ PS7000_ PS8500_ GB440-01_ GB440-02_ GB460-01 | | X | II | CARB | 27 | 19 | 0.657 | Multilayer | <=200 | 4.0 or greater | NCZHS.4592H1 NCZHS.4592DF | Q-19-010, Q-19-023, Q-19-075 | Q-19-002, Q-19-119, Q-20-001 | Q-19-066, Q-19-021, Q-19-019, Q-19-004, Q-19-020 |
| | FH300_ FH300-C1_ FH300-C3_ FH420-C1_ FH420-C2_ FH420-C3_ FH420-C4_ FH420-C5_ FH420-C6_ GB420M-2-03_ GB420M-2-04_ GB420M-2-06_ GB440-2-C2_ GB440-2-C3_ GB460M-2-01_ MS6000_ MS8000_ MS9000_ PB8000_ PH6500_ PH7000_ 100496 100538 100693 100704 100812 100813 100814 201004 201041 201158 | | X | II | CARB | 28.8 | 21.5 | 0.702 | Multilayer | <=200 | 4.0 or greater | NCZHS.2922HG NCZHS.4592HG NCZHS.4592DF | Q-19-010, Q-19-023, Q-19-075 | Q-19-002, Q-19-119, Q-20-001 | Q-19-066, Q-19-021, Q-19-019, Q-19-004, Q-19-020 |
| | GB460-2_ GB460-2-04_ GB460-2-05_ GB460-2-06_ BPB9000 | | X | II | CARB | 29 | 23.8 | 0.663 | Multilayer | <=250 | 4.0 or greater | NCZHS.4592HS | Q-19-010A, Q-19-023, Q-19-075 | Q-19-002, Q-19-119, Q-20-001 | Q-19-019, Q-19-020, Q-19-066 |

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|----------------------------------|---|---|----------|----------------------------------|------------------------------------|----------------------------------|---------|---|--|--|---|-------------------------------------|--------------------------------------|--|---|
| | | Calif. Only | 50-State | | | Total | Nominal | | | | | | | | |
| | FH440_ FH440M_ GB420-2_ GB420-2-01_ GB420-2-07_ GB420-2-08_ GB420M-2_ GB420M-2-01_ GB420M-2-05_ GB460-2-02_ GB460-2-03_ GB440-01_ GB440-02_ GB460-01_ PB6000_ PB7000_ PB8000_ PB9000_ PH8500_ PS6000_ PS7000_ PS8000_ SPG5568_ SPG7593E_ SPG8310E | X | II | CARB | 27 | 21.9 | 0.668 | Multilayer | <=200 | 4.0 or greater | NCZHS.4592H1 NCZHS.4592DF | Q-19-010, Q-19-023, Q-19-075 | Q-19-002, Q-19-119, Q-20-001 | Q-19-066, Q-19-021, Q-19-019, Q-19-004, Q-19-020 | |
| | GB420-2_ GB420-2-01_ GB420-2-07_ GB420-2-08_ GB420-2-10_ GB460-2-02_ GB460-2-03_ PB6000_ PB8000_ PB9000_ KXGC5500_ KXGC7500E_ SPG5568_ SPG7593E_ SPG8310E | X | II | CARB | 30 | 24.9 | 0.682 | Multilayer | <=250 | 4.0 or greater | NCZHS.4592H1 | Q-19-010A, Q-19-023, Q-19-075 | Q-19-002, Q-19-119, Q-20-001 | Q-19-019, Q-19-020, Q-19-021, Q-19-066 | |
| | GB270-2_ GB270-2-02_ PB5000_ GN6000_ GB270M-2_ GB270M-2-01_ MS5000 | X | II | CARB | 15 | 11 | 0.456 | Multilayer | <=120 | 4.0 or greater | NCZHS.2722H2 NCZHS.2722DF | Q-19-010, Q-19-023, Q-19-075 | Q-19-002, Q-19-119, Q-20-001 | Q-19-029, Q-19-042 | |
| | GB270-2_ GB270-2-01_ PB5000_ | X | II | CARB | 15.8 | 11.8 | 0.465 | Multilayer | <=150 | 4.0 or greater | NCZHS.2722H2 | Q-19-010, Q-19-023, Q-19-075 | Q-19-002, Q-19-119, Q-20-001 | Q-19-029, Q-19-004, Q-19-094, Q-19-042 | |

