

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.	MCZHS.2722H2 (U-U-082-0455)	272	Gasoline, Gasoline-LPG dual-fuel
	MCZHS.2722HG (U-U-082-0454)	272	
	MCZHS.2922HG (U-U-082-0452)	292	
	MCZHS.4592DF (U-U-082-0465)	459, 439, 420	
	MCZHS.4592DG (U-U-082-0464)	459, 439, 420	
	MCZHS.4592H1 (U-U-082-0462)	459, 439, 420	
	MCZHS.4592HG (U-U-082-0463)	459, 439, 420	
	MCZHS.6792HG (U-U-082-0456)	679, 625	
	MCZHS.7502HG (U-U-082-0457)	750, 679	
	MCZHS.3892DG (U-U-082-0489)	389	
S.A. = See Attachment TBC = To Be Certified			
EQUIPMENT DESCRIPTION			
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK NOMINAL CAPACITY (liters)	EQUIPMENT APPLICATION
2021	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	
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.			

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.

This Executive Order hereby supersedes Executive Order U-U-082-0485 dated January 20, 2021.

Executed on this 19th day of May 2021.



Allen Lyons, Chief
Emissions Certification and Compliance Division

Date: 3/20/21

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								
	GB750_ GB750-01_ GB750-2_ GB750-2-01_ GB750-2-02_ GB680_ GB680-01_ GB680-2_ GB680-2-01_ 10KPRO_ XB12000_	X	II	CARB	40.5	37	0.748	Multilayer	<=270	4.0 or greater	MCZHS.7502HG	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-022, Q-19-056	
	GB750_ GB750-01_ GB750-2_ GB750-2-01_ GB750-2-02_ GB680_ GB680-01_ GB680-2_ GB680-2-01_ 10KPRO_ XB12000_	X	II	CARB	43	30	0.807	Multilayer	<=270	4.0 or greater	MCZHS.7502HG	Q-19-010A, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-066, Q-19-021, Q-19-019	
	GB675_ GB675-2_ GB620_ GB620-01_ GB620-2_ GB620-2-01_ GB750_ GB750-01_ GB750-2_ GB750-2-01_ GB750-2-02_ GB680_ GB680-01_ GB680-2_ GB680-2-01_ PB15000_ PH13500_ PB12000_ PB11000_	X	II	CARB	55	44	0.951	Multilayer	<=270	4.0 or greater	MCZHS.7502HG MCZHS.6792HG	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-022, Q-19-056	

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		Calif. Only	50-State			Total	Nominal								
X	GB750_ GB750-01_ GB750-2_ GB750-2-01_ GB750-2-02_ GB680_ GB680-01_ GB680-2_ GB680-2-01_ PB12000_ PB15000_ GB675_ GB675-2_ GB620_ GB620-01_ GB620-2_ GB620-2-01_ PH13500_ PB11000_		X	II	CARB	55	50	0.951	Multilayer	<=270	4.0 or greater	MCZHS.7502HG MCZHS.6792HG	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-022, Q-19-056
	190F_ FH300_ FH440_ GB420-2_ GB420-2-02_ GB420-2-04_ FH440EM_ GB420EM-2_ GB420EM-2-01_ PB6000_ PS6000_ PS7000_ PS8500_ PH5500_ PH8500_ PB8000_ GN9500_ GB440-01_ GB440-02_ GB440-2-01_ GB460-01_ GB460-2-01_ FH440-01_ GB420-2-07_ GB420-2-09_ GB460-2-02_ GB460-2-03_		X	II	CARB	27	19	0.657	Multilayer	<=200	4.0 or greater	MCZHS.2922HG MCZHS.4592H1 MCZHS.4592HG MCZHS.4592DF	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-066, Q-19-021, Q-19-019, Q-19-004, Q-19-020

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		Calif. Only	50-State			Total	Nominal								
	KH8000_ FH420_ FH440_	X		II	CARB	32	28	0.605	Multilayer	<=580	4.0 or greater	MCZHS.4592H1 MCZHS.4592HG	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-066, Q-19-021, Q-19-019, Q-19-020
	190F_ 190F-01_ FH420_ FH440_ PH5500_ PH6500_ PH8000_ WHXC8500_	X		II	CARB	31	23	0.691	Multilayer	<=200	4.0 or greater	MCZHS.4592H1 MCZHS.4592HG	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-066, Q-19-021, Q-19-019, Q-19-020
	FH300_ FH300-C1_ FH300-C2_ FH420-C1_ FH420-C2_ FH420-C3_ FH420-C4_ PH6500_ PH7000_ 100693 100704 100813 100814 100538 201004 100496 100812 201041 FH300-C3_ FH420-C5_ FH420-C6_	X		II	CARB	28.8	21.5	0.702	Multilayer	<=200	4.0 or greater	MCZHS.2922HG MCZHS.4592H1 MCZHS.4592HG	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-066, Q-19-021, Q-19-019, Q-19-004, Q-19-020
	GH420_ HP4000_	X		II	CARB	5.2	4	0.176	Multilayer	<=220	4.0 or greater	MCZHS.4592H1 MCZHS.4592HG	Q-19-010A, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-027, Q-19-093

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		Calif. Only	50-State			Total	Nominal								
	FH300_ FH440_ GB420-2_ GB420-2-01_ GB420-2-02_ PB6000_ PB7000_ PB8000_ PH5500_ PH8500_ SPG5568_ FH440EM_ GB420EM-2_ GB420EM-2-01_ PS6000_ PS7000_ PS8000_ PS8500_ GB420M-2_ GB440-01_ GB440-02_ GB440-2-01_ GB460-01_ GB460-2-01_ GB420M-2-02_ FH440-01_ GB420-2-07_ GB420-2-08_ GB420-2-09_ GB460-2-02_ GB460-2-03_		X	II	CARB	27	21.9	0.668	Multilayer	<=200	4.0 or greater	MCZHS.2922HG MCZHS.4592H1 MCZHS.4592HG MCZHS.4592DF	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-066, Q-19-021, Q-19-019, Q-19-004, Q-19-020
	GB420M-2_ PS6000_ QPL-7000DF GB420M-2-02_		X	II	CARB	28.33	25	0.669	Multilayer	<=220	4.0 or greater	MCZHS.4592DF	Q-19-078	Q-19-002, Q-19-119	Q-19-066, Q-19-019, Q-19-020

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		Calif. Only	50-State			Total	Nominal								
	GB440-2_ GB440-2-C1_ GB460-2_ GB460-2-C1_ GB460-2-C2_ GB460-2-C3_ GB440EM-2_ GB440EM-2-C1_ GB460M-2_ GB460EM-2_ GB460EM-2-C1_ GB460EM-2-C2_ GB460EM-2-01_ PB7000_ PB9000_ PS9000_ PS7000_ 100110 100891 201040 201083 GB390M-2_ GB390M-2-C1_ PS6000_ 201085 GB440-01_ GB440-02_ GB440-2-01_ GB460-01_ GB460-2-01_ GB440EM-2-C2_ GB460-2-C4		X	II	CARB	35	29.1	0.751	Multilayer	<=840	4.0 or greater	MCZHS.4592H1 MCZHS.4592HG MCZHS.4592DF MCZHS.4592DG MCZHS.3892DG	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-066, Q-19-021, 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	MCZHS.2722H2 MCZHS.2722HG	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-018
	GB270-2_ GB270-2-01_ PB5000_ GB270-2-02_		X	II	CARB	16.5	11	0.475	Multilayer	<=150	4.0 or greater	MCZHS.2722H2 MCZHS.2722HG	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-029, Q-19-042
	GB270-2_ PB5000_ GN6000_ GB270-2-02_		X	II	CARB	15	11	0.456	Multilayer	<=120	4.0 or greater	MCZHS.2722H2 MCZHS.2722HG	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-029, Q-19-042
	GB270_ KB5000_		X	II	CARB	15.5	13	0.379	Multilayer	<=460	4.0 or greater	MCZHS.2722H2 MCZHS.2722HG	Q-19-010, Q-19-023, Q-19-075	Q-19-002, Q-19-119	Q-19-029, Q-19-042

