

CHONGQING ZONGSHEN GENERAL POWER MACHINE CO., LTD.

EXECUTIVE ORDER U-U-082-0485
New Off-Road Small Spark-Ignition
Equipment

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 natur: LPG=liquefied petroleum gas)				
P	GQING ZONGSHEN GENERAL DWER MACHINE CO., LTD.	MCZHS.2722H2 (MCZHS.2722HG MCZHS.2922HG MCZHS.4592DF (MCZHS.4592DH (MCZHS.4592H1 (MCZHS.4592HG MCZHS.6792HG MCZHS.7502HG	(U-U-082-0454) (U-U-082-0452) (U-U-082-0465) (U-U-082-0464) (U-U-082-0462) (U-U-082-0463) (U-U-082-0456)	272 272 292 459, 439, 420 459, 439, 420 459, 439, 420 459, 439, 420 679, 625 750, 679	Gasoline, Gasoline-LPG dual-fuel				
	Attachment se Certified	EQUIPMEN	T DESCRIPTION	N .					
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK NOMINAL CAPACITY (liters)	EQUIPMENT APPLICATION						
2021	CZHCMH4	See Attachment	Brusho Non-Backpa	ick Blower, Pressu	oressor, Generator Set, Logsplitter, Pressure Washer, Pump, Stump Grinder, Tiller, Other				
EMISSIO	N CONTROL SYSTEMS (ECS)	ENGINE and/or EQUIPMENT MODEL							
	Canister/Metal		S	See Attachment					

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 or g ROG·m⁻²-day or grams per liter for this evaporative family or the component Executive Order, as applicable. The running loss emissions

DIURNAL EMISSION STANDARD (g organic material hydrocarbon equivalent·day⁻¹)												
1.20 + 0.056 × Nominal Capacity (L)												
	LINE PERMEATION ROG·m ⁻² ·day ⁻¹)		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 20th day of January 2021.

control has been demonstrated by the manufacturer.

Allen Lyons, Chief

Emissions Certification and Compliance Division

SORE Evap > 80cc Model Summary Template (rev. 2020)

Date: 11/9/20

Evaporative Family: <u>CZHCMH4</u>

Model Summary

For CARB Use Only Executive Order: U-U-082-0485 Attachment _1_of_4_

		S3				S6									
		Sales Codes (Chec	k all appropriate)			Fuel Tank Vol	ume (Liters)								
S1.	S2.	Calif. Only	50-State	S4.	\$5.	Total	Nominal	S7.	S8.	S9.	S10.	\$11.	S12.	S13.	S14.
Worst Case	Model			Engine Class (I				Fuel Tank	Fuel Line Type		Fuel Line Inside	Engine Family	Fuel Tank Executive	Fuel Line	Carbon Canister
(Check One)				or II)	(FI or CARB)			Internal	(e.g. Single or	Line Length	Diameter (mm)		Order	Executive Order	(or Working
								Surface Area	Multi-Layer)	(mm)					Capacity (g/L)/
								(m^2)							Other Venting
															Control Executive
	00750														Order)
	GB750_ GB750-01_														
	GB750-2_ GB750-2-01_												Q-19-010,		
	GB750-2-01_ GB680_		v		CARB	40.5	37	0.748	Multilayer	<=270	4.0 or greater	MCZHS.7502HG	Q-19-010, Q-19-023,	Q-19-002,	Q-19-022,
	GB680_01_		^	"	CARB	40.5	3/	0.748	Multilayer	<=270	4.0 or greater	IVICZH3./3UZHG	Q-19-023, Q-19-075	Q-19-119	Q-19-056
	GB680-01_ GB680-2_												Q-19-0/3		
	10KPRO_														
	XB12000														
	GB750_														
	GB750-01_														
	GB750-2_														
	GB750-2-01												Q-19-010A,		Q-19-066,
	GB680		х	lu .	CARB	43	30	0.807	Multilayer	<=270	4.0 or greater	MCZHS.7502HG	Q-19-023,	Q-19-002,	Q-19-021,
	GB680-01										, and the second		Q-19-075	Q-19-119	Q-19-019
	GB680-2_														
	10KPRO_														
	XB12000_														
	GB675_														
	GB675-2_														
	GB620_														
	GB620-01_														
	GB620-2_														
	GB620-2-01_														
	GB750_														
	GB750-01_											MCZHS.7502HG	Q-19-010,	Q-19-002,	Q-19-022,
	GB750-2_		Х	II	CARB	55	44	0.951	Multilayer	<=270	4.0 or greater	MCZHS.6792HG	Q-19-023,	Q-19-119	Q-19-056
	GB750-2-01_												Q-19-075		
	GB680_														
	GB680-01_ GB680-2_														
	PB15000														
	PB15000_ PH13500														
	PB12000_														
	PB12000_ PB11000														
	1 011000_														

Date: 11/9/20

Evaporative Family: <u>CZHCMH4</u>

Model Summary

For CARB Use Only Executive Order: U-U-082-0485 Attachment _2_of_4_

		S3		1	1	S6				ı					
		Sales Codes (Chec				Fuel Tank Vol									
							(=:::::)								
S1. Worst Case (Check One)	S2. Model	Calif. Only	50-State	S4. Engine Class (I or II)	S5. Fuel System (FI or CARB)	Total	Nominal	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)
x	GB750_ GB750-01_ GB750-2_ GB750-2-01_ GB680_ GB680-01_ FB12000_ PB15000_ GB675_ GB675-2_ GB620-01_ GB620-2_ GB620-2-01_ PH13500_ PB11000_ PB11000_		x	п	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_ GB420-2-02_ GB420-2-04_ FH440EM_ GB420EM-2- 01_ PB6000_ PS6000_ PS7000_ PS7000_ PH8500_ PH8500_ PH8500_ GN9500_ GN9500_		x	11	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-19-020
	KH8000_ FH420_ FH440_		x	=	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		х	11	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

SORE Evap > 80cc Model Summary Template (rev. 2020)

Date: 11/9/20

Evaporative Family: <u>CZHCMH4</u>

Model Summary

For CARB Use Only Executive Order: U-U-082-0485 Attachment _3_of_4_

		Sales Codes (Chec				Se Fuel Tank Vo									
S1. Worst Case (Check One)	S2. Model	Calif. Only	50-State	S4. Engine Class (I or II)	S5. Fuel System (FI or CARB)	Total	Nominal	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)
	FH300_ FH300-C1_ FH300-C1_ FH420-C1_ FH420-C2_ FH420-C3_ FH420-C4_ PH6500_ PH77000_ 100693 100704 100813 100704 100814 100538 201004 100496 100496 100812 201041		х	П	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_		х	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
	FH300_ FH440_ GB420-2-01_ GB420-2-01_ GB420-2-02_ PB6000_ PB7000_ PB8000_ PH5500_ PH5500_ PH4500_ SP65568_ FH440EM_ GB420EM-2-01_ PS6000_ PS7000_ PS8000_ PS8000_ PS8000_ PS8000_ GB420M-2_ GB420M-2_		х	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		х	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

Date: <u>11/9/20</u>

Evaporative Family: <u>CZHCMH4</u>

Model Summary

For CARB Use Only Executive Order: U-U-082-0485 Attachment _4_of_4_

		S3				Se									
		Sales Codes (Chec	k all appropriate)			Fuel Tank Vol	lume (Liters)								
S1.	S2.	Calif. Only	50-State	S4.	S5.	Total	Nominal	S7.	\$8.	\$9.	S10.	S11.	S12.	S13.	S14.
Worst Case	Model	Caiii. Oiliy		Engine Class (I		iotai	Nominal	Fuel Tank	Fuel Line Type	Nominal Fuel	Fuel Line Inside	Engine Family	Fuel Tank Executive	Fuel Line	Carbon Canister
(Check One)	Wiodei			or II)	(FI or CARB)			Internal	(e.g. Single or	Line Length	Diameter (mm)	Linguite Fairning	Order	Executive Order	(or Working
(encon one)				o,	(1101 6/1115)			Surface Area	Multi-Layer)	(mm)	Junicie: (iiiii)		0.00.	zacounie oraci	Capacity (g/L)/
								(m^2)	man Layer,	,,					Other Venting
								(··· =/							Control Executive
															Order)
	GB440-2_														
	GB440-2-C1_														
	GB460-2_														
	GB460-2-C1_														
	GB460-2-C2_														
	GB460-2-C3_														
	GB440EM-2_														
	GB440EM-2-C1_										P				
	GB460M-2_											MCZHS.4592H1	Q-19-010,		Q-19-066,
	GB460EM-2_ GB460EM-2-C1_		v	l.,	CARB	35	29.1	0.751	Multilayer	<=840	4.0 or greater	MCZHS.4592HG	Q-19-010, Q-19-023,	Q-19-002,	Q-19-021,
	GB460EM-2-C1_ GB460EM-2-C2_		^	"	CAND	33	23.1	0.731	withayer	V-040	4.0 or greater	MCZHS.4592DF	Q-19-023, Q-19-075	Q-19-119	Q-19-019,
	GB460EM-2-01_											MCZHS.4592DG	Q 15 0/5		Q-19-020
	PB7000_														
	PB9000														
	PS9000_														
	PS7000_														
	100110														
	100891														
	201040														
	201083														
	GB270_ GB270-2-C1_											MCZLIC 2722LI2	Q-19-010,	0.10.003	
	100556		х	П	CARB	23	17.8	0.539	Multilayer	<=150	4.0 or greater	MCZHS.2722H2 MCZHS.2722HG	Q-19-023,	Q-19-002, Q-19-119	Q-19-018
	PB5000											MCZH3.272ZHG	Q-19-075	Q-19-119	
	GB270-2												Q-19-010,		
	GB270-2-01_		х	l _{II}	CARB	16.5	11	0.475	Multilayer	<=150	4.0 or greater	MCZHS.2722H2	Q-19-023,	Q-19-002,	Q-19-029,
	PB5000								, .			MCZHS.2722HG	Q-19-075	Q-19-119	Q-19-042
	GB270-2_											MCZHS.2722H2	Q-19-010,	Q-19-002,	Q-19-029,
	PB5000_		х	II 🗼	CARB	15	11	0.456	Multilayer	<=120	4.0 or greater	MCZHS.2722HG	Q-19-023,	Q-19-002, Q-19-119	Q-19-029, Q-19-042
	GN6000_											WICERS.Z/ZZFIG	Q-19-075	Q-15-113	Q-13-042
	GB270											MCZHS.2722H2	Q-19-010,	Q-19-002,	Q-19-029,
	KB5000_		Х		CARB	15.5	13	0.379	Multilayer	<=460	4.0 or greater	MCZHS.2722HG	Q-19-023,	Q-19-119	Q-19-042
													Q-19-075	7	~
	GB270_											MACZIUC 27221/2		0.40.003	0.40.000
	BPB5000_		х	11	CARB	11.3	9.6	0.292	Multilayer	<=330	4.0 or greater	MCZHS.2722H2	Q-19-010	Q-19-002,	Q-19-029,
	GB270-2-02_ BPB4500											MCZHS.2722HG		Q-19-119	Q-19-042
	-														Q-19-029,
	GB270_											MCZHS.2722H2	Q-19-010,	Q-19-002,	Q-19-004,
	GB270-2-01_		х	"	CARB	15.8	11.8	0.465	Multilayer	<=150	4.0 or greater	MCZHS.2722HG	Q-19-023,	Q-19-119	Q-19-094,
	PB5000_												Q-19-075		Q-19-042
				•						•	•		•	•	