California Environmental Protection Agency **Air Resources Board**	**CHONGQING ZONGSHEN GENERAL POWER MACHINE CO., LTD**	**EXECUTIVE ORDER U-U-082-0268** New Off-Road Small Spark-Ignition Equipment

Pursuant to the authority vested in the 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-14-012;

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.	HCZHS.2922H1 (U-U-082-0244) HCZHS.4202H1 (U-U-082-0245) HCZHS.6792H1 (U-U-082-0247) HCZHS.6792H2 (U-U-082-0248) HCZHS.6252H1 (U-U-082-0246)	292 420, 357 679 679 625	Gasoline

S.A. = See Attachment
TBC = To Be Certified

EQUIPMENT DESCRIPTION

MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)	EQUIPMENT APPLICATION
2017	CMH4	See Attachment	Compressor, Pump, Stump Beater, Generator Set, Non-Backpack Blower, Pressure Washer, Tiller, Edger, Brushcutter, Other Industrial Equipment

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(a) or 2754(b), as applicable), and certification levels in grams per day (g/day) or grams per square meter per day ($g/m^2/day$) or grams per liter (g/l) for this evaporative family or the component Executive Order, as applicable. The running loss emissions control has been demonstrated by the manufacturer.

*=not applicable	DESIGN BASED				
FUEL HOSE PERMEATION ($g/m^2/day$)		FUEL TANK PERMEATION ($g/m^2/day$)		CARBON CANISTER BUTANE WORKING CAPACITY (g HC/liter)	
STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER
15	G-05-018, Q-14-008, Q-08-005, C-U-05-013, Q-10-003, C-U-06-032, Q-13-013, Q-15-010	1.5	Q-16-024A, Q-16-027A, Q-17-022	1.4	Q-11-024, C-U-07-023, Q-09-027, C-U-07-016B, C-U-07-022, Q-11-023, Q-13-005, C-U-07-021, C-U-06-031A, Q-11-002, C-U-06-005A

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) 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 engine 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 at El Monte, California on this 30th day of June 2017.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

Attachment, 1 of 3

Small Off-Road Evaporative Certification Database Form
(Supplementary Information)

MODEL SUMMARY

S1. Worst Case (Check One)	S2. Engine or Equipment Model	S3. Sales Codes (check all appropriate)			S4. Engine Class (I or II)	S5. Fuel System (FI or CARB)	S6. Fuel Tank Vol. (Liters)		S7. Fuel Tank Internal Surface Area (m^2)	S8. Fuel Line Type	S9. Nominal Fuel Line Length[(1)] (mm)	S10. Fuel Line Inside Diameter (mm)	S11. Exhaust Family	S12. Fuel Tank Executive Order	S13. Fuel Line Executive Order	S14. Carbon Canister or Other Venting Control Executive Order
		CA Only	49-State	50-State			Total	Nominal								
	2V78_ 2V78F-01_ 2V78F-02_ 2V78F-03_ 10KPRO_ XB12000_			X	II	CARB	40.5	37	0.748	multilayer	165 and 260 and 100	6.3 or 4.0	HCZHS.6792H1	Q-16-024A or Q-16-027A or Q-17-022	G-05-018 or Q-14-008 or Q-08-005 or C-U-05-013 or Q-10-003 or C-U-06-032 or Q-13-013 or Q-15-010	Q-11-024 or C-U-07-023 or Q-09-027
	2V78_ 2V78F-01_ 2V78F-02_ 2V78F-03_ 10KPRO_ XB12000_			X	II	CARB	43	30	0.777	multilayer	165 and 260 and 100	6.3 or 4.0	HCZHS.6792H1	Q-16-024A or Q-16-027A or Q-17-022	G-05-018 or Q-14-008 or Q-08-005 or C-U-05-013 or Q-10-003 or C-U-06-032 or Q-13-013 or Q-15-010	C-U-07-016B or C-U-07-022 or Q-11-023 or Q-13-005
	2V78_ 2V78F-01_ 2V78F-02_ 2V78F-03_ 10KPRO_ PB12000_ 10KW GENFORCE			X	II	CARB	55	44	0.951	multilayer	165 and 260 and 100	6.3 or 4.0	HCZHS.6792H1	Q-16-024A or Q-16-027A or Q-17-022	G-05-018 or Q-14-008 or Q-08-005 or C-U-05-013 or Q-10-003 or C-U-06-032 or Q-13-013 or Q-15-010	Q-11-024 or C-U-07-023 or Q-09-027

Attachment, 2 of 3

	2V78F_ 2V78FA-01_ 2V78FA-02_ PB12000_ PB15000_ GB620_ 196F_ PH13500_			X	II	CARB	55	50	0.951	multilayer	165 and 260 and 100 or 195	6.3 or 4.0	HCZHS.6792H2 HCZHS.6252H1	Q-16-024A or Q-16-027A or Q-17-022	G-05-018 or Q-14-008 or Q-08-005 or C-U-05-013 or Q-10-003 or C-U-06-032 or Q-13-013 or Q-15-010	Q-11-024 or C-U-07-023 or Q-09-027
	FH420_ FH360-01_ FH360-02_ FH360-03_ ST5750_ PH6500_ ST8000_ PH8000_			X	II	CARB	27	23	0.657	multilayer	190	6.3 or 4.0	HCZHS.4202H1	Q-16-024A or Q-16-027A or Q-17-022	G-05-018 or Q-14-008 or Q-08-005 or C-U-05-013 or Q-10-003 or C-U-06-032 or Q-13-013 or Q-15-010	C-U-07-016B or C-U-07-022 or Q-11-023 or Q-13-005
	KH8000_ FH420-07_			X	II	CARB	32	28	0.605	multilayer	565	6.3 or 4.0	HCZHS.4202H1	Q-16-024A or Q-16-027A or Q-17-022	G-05-018 or Q-14-008 or Q-08-005 or C-U-05-013 or Q-10-003 or C-U-06-032 or Q-13-013 or Q-15-010	C-U-07-016B or C-U-07-022 or Q-11-023 or Q-13-005
	8KPRO_ XH8000_ FH420-01_			X	II	CARB	43	30	0.777	multilayer	165	6.3 or 4.0	HCZHS.4202H1	Q-16-024A or Q-16-027A or Q-17-022	G-05-018 or Q-14-008 or Q-08-005 or C-U-05-013 or Q-10-003 or C-U-06-032 or Q-13-013 or Q-15-010	C-U-07-016B or C-U-07-022 or Q-11-023 or Q-13-005
	FH360-01_ FH420_ 190F-01_ WH5500_ PH6500_ WH7500_ PH8000_			X	II	CARB	31	23	0.691	multilayer	175	6.3 or 4.0	HCZHS.4202H1	Q-16-024A or Q-16-027A or Q-17-022	G-05-018 or Q-14-008 or Q-08-005 or C-U-05-013 or Q-10-003 or C-U-06-032 or Q-13-013 or Q-15-010	C-U-07-016B or C-U-07-022 or Q-11-023 or Q-13-005

Attachment, 3 of 3

	PH6500_ 100496 180F/P-F			X	II	CARB	28.8	21.5	0.70	multilayer	155	6.3 or 4.0	HCZHS.2922H1	Q-16-024A or Q-16-027A or Q-17-022	G-05-018 or Q-14-008 or Q-08-005 or C-U-05-013 or Q-10-003 or C-U-06-032 or Q-13-013 or Q-15-010	C-U-07-016B or C-U-07-022 or Q-11-023 or Q-13-005
	GH300_ FH300_ FH300-01_ FH300-02_ 180F/P-F GH420-01_ FH420_ FH420-01_ FH420-02_ FH420-03_ FH420-04_ FH420-05_ FH420-06_ FH420-07_ FH420-08_ FH420-09_ FH420-10_ FH420-11_ FH420-12_ FH420-13_ FH420-14_ 190F-01_ FH360-01_ FH360-02_ FH360-03_			X	II	CARB	5.2	4	0.18	multilayer	200 or 210	6.3 or 4.0	HCZHS.2922H1 HCZHS.4202H1	Q-16-024A or Q-16-027A or Q-17-022	G-05-018 or Q-14-008 or Q-08-005 or C-U-05-013 or Q-10-003 or C-U-06-032 or Q-13-013 or Q-15-010	C-U-07-021 or C-U-06-031A or Q-11-002 or C-U-06-005A

(1) The nominal fuel line lengths can be grouped into increment of ± 3 inches (76 mm)
(2) Postfix "_" is the designator(s) for future non-emission related revision change.