

## CHONGQING ZONGSHEN GENERAL POWER MACHINE CO., LTD

EXECUTIVE ORDER U-U-082-0470 New Off-Road Small Spark-Ignition Engines at or Below 19 Kilowatts

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-19-095;

IT IS ORDERED AND RESOLVED: That the following engine and emission control systems produced by the manufacturer are certified for use in small off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	FNGINE FAMILY		DISPLACEMENT ENGINE CLASS		E CLASS	FUEL TYPE		
2021	Ν	ICZHS.2081HW	208, 196, 179	4-stroke, > 80 cc - < 225 cc		Gasoline		
DURABILITY HOURS			PECIAL FEATURES & ION CONTROL SYSTE	MS	TYPICAL EQUIPMENT APPLICATION			
125		EM			Snowblower, Ice Auger			
ENGINE MODELS (rated power in kilowatt, kW)		See Attachment						

The following are the carbon monoxide (CO), and particulate matter (PM) emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2403(b)), and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr).

*=not applicable	CO (g/kW-hr)	PM (g/kW-hr)		
STANDARD	549	*		
FAMILY EMISSION LEVEL	*	*		
CERTIFICATION LEVEL	377	*		

**BE IT FURTHER RESOLVED:** That the family emission level(s) (FELs), as applicable, is an emission limit declared by the manufacturer for use in the averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2403(e)(1) and 2407(a).

**BE IT FURTHER RESOLVED:** That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2404 (emission control labels) and 13 CCR Sections 2405 and 2406 (emission control system warranty).

**BE IT FURTHER RESOLVED:** That because the listed engine models shall be used exclusively in wintertime snowblower and/or ice auger products only (13 CCR Section 2403(b)(1)(footnote 5)), the equipment is exempt from complying with 13 CCR, Chapter 15, Article 1 (evaporative emission requirements for off-road equipment).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed on this 22nd day of December 2020.

Allen Lyons, Chief

**Emissions Certification and Compliance Division** 

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

Engine Family: MCZHS.2081HW

For CARB Use Only
Executive Order: U-U-082-0470
Attachment 1 of 1

## Model Summary

	47.	48.	49.	50.	51.	52.	52.	54.	55.	56.
Worst Case (Check One)	Model Designation	Sales Code	Displacement (cc)	Bore/Stroke	Ignition Timing	Max Power	Rated Speed (RPM)	Rated Torque	Torque Speed (RPM)	Emission Control System
(	670-WU_	50-State	208	70/54	26	4	3600	11	2700	EM
	165-WU_	50-State	179	65/54	26	3.5	3600	9	2600	EM
	265-JU_	50-State	179	65/54	26	3.5	3600	9	2600	EM
	265-WU_	50-State	179	65/54	26	3.5	3600	9	2600	EM
	170-JU_	50-State	208	70/54	26	4	3600	11	2700	EM
	170-WH_	50-State	208	70/54	26	4	3600	11	2700	EM
	270-JU_	50-State	208	70/54	26	4	3600	11	2700	EM
	270-QU_	50-State	208	70/54	26	4	3600	11	2700	EM
	270-WU_	50-State	208	70/54	26	4	3600	11	2700	EM
	270-XU_	50-State	208	70/54	26	4	3600	11	2700	EM
	670-JU_	50-State	208	70/54	26	4	3600	11	2700	EM
	670-QU_	50-State	208	70/54	26	4	3600	11	2700	EM
	670-WH_	50-State	208	70/54	26	4	3600	11	2700	EM
	870-WU_	50-State	208	70/54	26	4	3600	11	2700	EM
	GB200A_	50-State	196	68/54	25	4.2	3600	11.5	2600	EM