CHONGQING ZONGSHEN GENERAL POWER MACHINE CO., LTD

EXECUTIVE ORDER U-U-082-0163 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-14-012;

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	ENGINE FAMILY		DISPLACEMENT (cc) ENGINE		E CLASS	FUEL TYPE	
2015	2015 FCZHS.2081HW		179, 208	4-stroke, >80 cc - <225 cc		Gasoline	
DURABILITY HOURS			ECIAL FEATURES & ON CONTROL SYST		TYPICAL EQUIPMENT APPLICATION		
125			EM		Snowblower, Ice Auger		
ENGINE MODELS (rated power in kilowatt, kW)				See Atta	achment		

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	394	*

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 at El Monte, California on this ______ day of October 2014.

- 1

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

Attachment, 1 of 3

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Model Year:

270-QH_

Manufacturer:

Engine Family:

2015

FCZHS.2081HW

208

50-State

70/54

Chongqing Zongshen General Power

Issued:

9/11/2014 Revised:

E.O. Number:

4-4-082-0163 RC1: 3-10-15

Units for Table: kW

Small Off-Road Engine Model Summary Form

47. 48. 49. 50. 51. 52. 53. 54. 55. 56. Worst Model Sales Displ Bore/ Ignition Max Rated Speed Rated Torque Speed **Emiss** Case? Designation Code (cc) Stroke **Timing** Power (RPM) Torque (RPM) Control Sys 3600 170F_ 50-State 208 70/54 27 4.0 11 2600 EM 165F_ 50-State 179 65/54 27 3.5 3600 9 2600 **EM** 170-SU 50-State 27 3600 9 2600 EM 179 65/54 3.5 170-SH_ 50-State 179 65/54 27 3.5 3600 9 2600 EM 270-SU 208 EM 50-State 70/54 27 4.0 3600 11 2600 270-SH_ 50-State 208 70/54 27 4.0 3600 11 2600 **EM** X 370-SU 50-State 208 70/54 27 4.0 3600 11 2600 **EM** 370-SH_ 50-State 208 70/54 27 3600 2600 **EM** 4.0 11 370-JU_ 50-State 208 70/54 27 4.0 3600 11 2600 **EM** 370-JH_ 50-State 208 70/54 27 4.0 3600 11 2600 EM 270-JU_ 50-State 208 70/54 27 4.0 3600 2600 **EM** 11 270-JH_ 50-State 208 70/54 27 4.0 3600 11 2600 **EM** 370-QU 50-State 208 70/54 27 4.0 3600 11 2600 **EM** 370-QH_ 50-State 208 70/54 27 4.0 3600 11 2600 **EM** 270-QU_ 50-State 208 70/54 27 4.0 3600 11 2600 **EM**

27

4.0

3600

11

2600

EM

Attachment, 2 of 3 Issued:

Model Year:

Manufacturer:

Chongqing Zongshen General Power

Revised:

E.O. Number: U-N-082-0163

Engine Family: FCZHS.2081HW Small Off-Road Engine Model Summary Form

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Units for Table: kw

| Worst Case? | 47.
Model
Designation | 48.
Sales
Code | 49.
Displ
(cc) | 50.
Bore/
Stroke | 51.
Ignition
Timing | 52.
Max
Power | 53.
Rated Speed
(RPM) | 54.
Rated
Torque | 55.
Torque Speed
(RPM) | 56.
Emiss
Control Sys |
|-------------|-----------------------------|----------------------|----------------------|------------------------|---------------------------|---------------------|-----------------------------|------------------------|------------------------------|-----------------------------|
| | 165-SU_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 165-SH_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 265-SU_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 265-SH_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 265-SU_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 365-SH_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 365-JU_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 365-JH_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 265-JU_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 265-JH_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 165-QU_ | 50-State | 179 | 65/54 | . 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 165-QH_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 265-QU_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 265-QH | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | SN210_ | 50-State | 208 | 70/54 | 27 | 4.0 | 3600 | 11 | 2600 | EM |
| | SN180_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
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| | | | | | | | | | | |

2015

9/11/2014

Attachment, 3 of 3

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Model Year:

Manufacturer:

2015

Engine Family: FCZHS.2081HW

Chongqing Zongshen General Power

Issued:

Revised: 2/10/2015 E.O. Number: u-u-082-0163

Small Off-Road Engine Model Summary Form

Rc1: 3-10-15

Units for Table: kW

| Worst
Case? | 47.
Model
Designation | 48.
Sales
Code | 49.
Displ
(cc) | 50.
Bore/
Stroke | 51.
Ignition
Timing | 52.
Max
Power | 53.
Rated Speed
(RPM) | 54.
Rated
Torque | 55.
Torque Speed
(RPM) | 56.
Emiss
Control Sys |
|----------------|-----------------------------|----------------------|----------------------|------------------------|---------------------------|---------------------|-----------------------------|------------------------|------------------------------|-----------------------------|
| | 165-WU_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 165-WH_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 265-WU_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 265-WH_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 365-WU_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 365-WH_ | 50-State | 179 | 65/54 | 27 | 3.5 | 3600 | 9 | 2600 | EM |
| | 170-WU_ | 50-State | 208 | 70/54 | 27 | 4.0 | 3600 | 11 | 2600 | EM |
| | 170-WH_ | 50-State | 208 | 70/54 | 27 | 4.0 | 3600 | 11 | 2600 | EM |
| | 270-WU_ | 50-State | 208 | 70/54 | 27 | 4.0 | 3600 | 11 | 2600 | EM |
| | 270-WH_ | 50-State | 208 | 70/54 | 27 | 4.0 | 3600 | 11 | 2600 | EM |
| | 370-WU_ | 50-State | 208 | 70/54 | 27 | 4.0 | 3600 | 11 | 2600 | EM |
| | 370-WH_ | 50-State | 208 | 70/54 | 27 | 4.0 | 3600 | 11 | 2600 | EM |
| | | | | | | | | | | |
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