Honda Motor Co., Ltd.

EXECUTIVE ORDER U-U-001-0694
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 CLASS	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)				
2015	FHNX	S.1871AA	161, 187	4-stroke, >80 cc - <225 cc	Gasoline				
DURAB			CIAL FEATURES &	MS	EMISSION CONTROL SYSTEMS				
250			EM	Walk-Behind Lawnmower, Compressor, Pump, Pressure Wa Generator Set, Non-Backpack Blower, Tiller, Edger, Other OEN					
ENGINE CODES/MODELS (rated power in kilowatt, kW)				See Attach	nment				

EGR=exhaust gas recirculation AIR=secondary air injection PAIR=pulsed AIR MFI=multi port fuel injection SFI=sequential MFI TBI=throttle body fuel injection DFI=direct fuel injection TC/SC=turbo/super-charger CAC=charge air cooler 2(prefix)=parallel (2)(suffix)=in series ECM=engine control module

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx), 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). Engines within this engine family shall have closed crankcases in conformance with Section 1054.115(a) of the "California Exhaust Emission Standards and Test Procedures for New 2013 and Later Small Off-Road Engines," adopted October 25, 2012.

*=not applicable	HC+NOx (g/kW-hr)	CO (g/kW-hr)	PM (g/kW-hr)
STANDARD	10.0	549	*
FAMILY EMISSION LEVEL	9.9	*	*
CERTIFICATION LEVEL	8.5	334	. * .

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).

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 June 2014.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

Attachment page 1 of 5

Model Year:

2015

Engine Family: FHNXS.1871AA

Manufacturer: Honda Motor Co., Ltd.

Revised:

E.O. Number:

## Small Off-Road Engine Model Summary Form

Units for Table: kw

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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
X	F1HH01C1- C	50-State	160.8	64.0/50.0	20° BTDC	3.4	3600	9.4 N.m	2500	EM
	F1HH01D1-	50-State	160.8	64.0/50.0	20° BTDC	3.4	3600	9.4 N.m	2500	EM
	F1HH02C1-	50-State	160.8	64.0/50.0	20° BTDC	3.4	3600	9.4 N.m	2500	EM
	F1HH03C1- C	50-State	160.8	64.0/50.0	20° BTDC	3.4	3600	9.4 N.m	2500	EM

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Model Year: Manufacturer:

2015

Manufacturer: Honda Motor Co., Ltd. Engine Family: FHNXS.1871AA

Issued:

3/18/2014

Revised:

E.O. Number:

### Small Off-Road Engine Model Summary Form

Units for Table: kw

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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
	F1HW06H3-	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	EM
	F1HW07H3-	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	EM
	F1HW08H1-	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	EM
	F1HW09H2-	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	EM
	F1HW09H3-	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	EM
	F1HW10H1-	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	- EM
	F1HW10H2-	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	EM

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Model Year:

2015

Manufacturer: Honda Motor Co., Ltd. Engine Family: FHNXS.1871AA

Revised: E.O. Number:

# Small Off-Road Engine Model Summary Form

Units for Table: kw

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
F1HJ01C1-C	50-State	187.0	69.0/50.0	20° BTDC	3.9	3600	11.2 N.n	n 2500	EM
F1HJ01D1-C	50-State	187.0	69.0/50.0	20° BTDC	3.9	3600	11.2 N.n	n 2500	EM
F1HJ02C1-C	50-State	187.0	69.0/50.0	20° BTDC	3.9	3600	11.2 N.n	n 2500	EM
F1HJ0300-B	50-State	187.0	69.0/50.0	20° BTDC	3.9	3600	11.2 N.n	n 2500	EM
F1HW01H1-	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	EM
F1HW02H1- C	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	EM
F1HW03H2- C	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	EM
F1HW04H3- C	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	EM
F1HW05H1- C	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	EM
F1HW05H2-	50-State	187.0	69.0/50.0	20° BTDC	3.8	3600	11.3 N.n	n 2500	ĒΜ
	Model Designation  F1HJ01C1-C  F1HJ01D1-C  F1HJ0300-B  F1HW01H1- C  F1HW02H1- C  F1HW03H2- C  F1HW04H3- C  F1HW05H1- C	Model Designation Code  F1HJ01C1-C 50-State  F1HJ01D1-C 50-State  F1HJ0300-B 50-State  F1HW01H1- C 50-State  F1HW02H1- C 50-State  C F1HW03H2- C 50-State  F1HW04H3- C 50-State  F1HW05H1- C 50-State  F1HW05H1- C 50-State  F1HW05H1- C 50-State	Model Designation         Sales Code         Displ (cc)           F1HJ01C1-C         50-State         187.0           F1HJ01D1-C         50-State         187.0           F1HJ02C1-C         50-State         187.0           F1HJ0300-B         50-State         187.0           F1HW01H1-C         50-State         187.0           F1HW02H1-C         50-State         187.0           F1HW03H2-C         50-State         187.0           F1HW04H3-C         50-State         187.0           F1HW05H1-C         50-State         187.0           F1HW05H2-C         50-State         187.0	Model Designation         Sales Code         Displ (cc)         Bore/ Stroke           F1HJ01C1-C         50-State         187.0         69.0/50.0           F1HJ01D1-C         50-State         187.0         69.0/50.0           F1HJ02C1-C         50-State         187.0         69.0/50.0           F1HJ0300-B         50-State         187.0         69.0/50.0           F1HW01H1-C         50-State         187.0         69.0/50.0           F1HW02H1-C         50-State         187.0         69.0/50.0           F1HW03H2-C         50-State         187.0         69.0/50.0           F1HW05H1-C         50-State         187.0         69.0/50.0           F1HW05H2-C         50-State         187.0         69.0/50.0	Model Designation         Sales Code         Displementation         Bore/Stroke         Ignition Timing           F1HJ01C1-C         50-State         187.0         69.0/50.0         20° BTDC           F1HJ01D1-C         50-State         187.0         69.0/50.0         20° BTDC           F1HJ02C1-C         50-State         187.0         69.0/50.0         20° BTDC           F1HJ0300-B         50-State         187.0         69.0/50.0         20° BTDC           F1HW01H1-C         50-State         187.0         69.0/50.0         20° BTDC           F1HW02H1-C         50-State         187.0         69.0/50.0         20° BTDC           F1HW03H2-C         50-State         187.0         69.0/50.0         20° BTDC           F1HW05H1-C         50-State         187.0         69.0/50.0         20° BTDC           F1HW05H2-C         50-State         187.0         69.0/50.0         20° BTDC	Model Designation         Sales Code         Displementation         Bore/Stroke         Ignition Timing         Max Power           F1HJ01C1-C         50-State         187.0         69.0/50.0         20° BTDC         3.9           F1HJ01D1-C         50-State         187.0         69.0/50.0         20° BTDC         3.9           F1HJ02C1-C         50-State         187.0         69.0/50.0         20° BTDC         3.9           F1HW0300-B         50-State         187.0         69.0/50.0         20° BTDC         3.9           F1HW01H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8           F1HW02H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8           F1HW03H2-C         50-State         187.0         69.0/50.0         20° BTDC         3.8           F1HW05H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8           F1HW05H2-C         50-State         187.0         69.0/50.0         20° BTDC         3.8           F1HW05H2-C         50-State         187.0         69.0/50.0         20° BTDC         3.8	Model Designation         Sales Code         Displementation (cc)         Bore/Stroke         Ignition Timing         Max Pated Speed (RPM)           F1HJ01C1-C         50-State         187.0         69.0/50.0         20° BTDC         3.9         3600           F1HJ01D1-C         50-State         187.0         69.0/50.0         20° BTDC         3.9         3600           F1HJ02C1-C         50-State         187.0         69.0/50.0         20° BTDC         3.9         3600           F1HW01H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600           F1HW02H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600           F1HW03H2-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600           F1HW04H3-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600           F1HW05H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600           F1HW05H2-         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600	Model Designation         Sales Code         Displementation         Bore/ (cc)         Ignition Timing         Max Power         Rated Speed (RPM)         Rated Torque           F1HJ01C1-C         50-State         187.0         69.0/50.0         20° BTDC         3.9         3600         11.2 N.n           F1HJ01D1-C         50-State         187.0         69.0/50.0         20° BTDC         3.9         3600         11.2 N.n           F1HJ0300-B         50-State         187.0         69.0/50.0         20° BTDC         3.9         3600         11.2 N.n           F1HW01H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600         11.3 N.n           F1HW02H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600         11.3 N.n           F1HW03H2-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600         11.3 N.n           F1HW05H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600         11.3 N.n           F1HW05H2-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600         11.3 N.n	Model Designation         Sales Code         Displemental Displemental Designation         Bore/ (cc)         Ignition Timing         Max Power Power (RPM)         Rated Speed Torque Read Torque Speed (RPM)           F1HJ01C1-C         50-State         187.0         69.0/50.0         20° BTDC         3.9         3600         11.2 N.m         2500           F1HJ01D1-C         50-State         187.0         69.0/50.0         20° BTDC         3.9         3600         11.2 N.m         2500           F1HJ0300-B         50-State         187.0         69.0/50.0         20° BTDC         3.9         3600         11.2 N.m         2500           F1HW01H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600         11.3 N.m         2500           F1HW02H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600         11.3 N.m         2500           F1HW03H2-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600         11.3 N.m         2500           F1HW05H1-C         50-State         187.0         69.0/50.0         20° BTDC         3.8         3600         11.3 N.m         2500           F1HW05H1-C         50-State

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Model Year: Manufacturer:

Engine Family:

2015

Honda Motor Co., Ltd.

FHNXS.1871AA

Revised: E.O. Number:

### Small Off-Road Engine Model Summary Form

Units for Table: kw

Worst Case?	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
	F1HV11H2-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.n	n 2500	EM
	F1HV12H1-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.n	n 2500	EM
	F1HV13H1-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.n	n 2500	EM
	F1HV14H1-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.n	2500	EM
	F1HV15H1-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.n	2500	EM
	F1HV16H2-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.n	2500	EM
	F1HV17H3-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.n	2500	EM
	F1HV18H2-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.n	2500	EM
	F1HV19H1-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.n	2500	EM
	F1HV20H2-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.n	2500	EM

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2015

Model Year:

Manufacturer: Honda Motor Co., Ltd.

Engine Family: FHNXS.1871AA

3/18/2014

E.O. Number:

#### Small Off-Road Engine Model Summary Form

Units for Table: kw

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Worst Case?	Decignation	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
	F1HV01H1-C	50-State	160.8	64.0/50.0	20° BTDG	3.3	3600	9.4 N.m	2500	EM
	F1HV02H1-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.m	2500	EM
	F1HV03H1-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.m	2500	EM
	F1HV04H1-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.m	2500	EM
	F1HV05J2-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.m	2500	EM
	F1HV06H2-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.m	2500	EM
	F1HV07H3-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.m	2500	EM
	F1HV08H3-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.m	2500	EM
	F1HV09H2-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.m	2500	EM
	F1HV10J2-C	50-State	160.8	64.0/50.0	20° BTDC	3.3	3600	9.4 N.m	2500	EM