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-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 ENGI		NE FAMILY	DISPLACEMENT (cc) ENGINE C		CLASS	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)		
2019	2019 KHNXS.6882BA		688	4-stroke, <u>&gt;</u> 225 cc		Gasoline		
DURAB HOUI			SPECIAL FEATURES		TYPICAL EQUIPMENT APPLICATION			
1000			EM		Walk-Behind Mower, Riding Mower, Compressor, Pressure Washer, Generator Set, Commercial Turf			
ENGINE CODES/MODELS (rated power in kilowatt, kW)					See Attachm	ent .		
ABBREVIATIONS: EM=						varm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S		

ABBREVIATIONS: EM=engine modification TWC/OC=three-way/oxidizing catalyst WUTWC/WUOC=warm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S 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	8.0	549	*	
FAMILY EMISSION LEVEL	7.9	*	*	
CERTIFICATION LEVEL	7.5	321	*	

**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 February 2019.

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

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Model Year: 2 Manufacturer: H Engine Family: K

2019 Honda Motor Co., Ltd. KHNXS.6882BA 
 Issued:
 9/28/2018

 Revised:
 12/09/2019

 E.O. Number:
 U-U-001-0923

ATTACHMENT ploF3

## Small Off-Road Engine Model Summary Form

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 Speec (RPM)	56. Emiss Control Sys
	K2QJ0100R B	50-State	688.0	78.0/72.0	9° BTDC	16.0	3600	48.3 N.m	n 2500	EM
	K2QJ0200R B	50-State	688.0	78.0/72.0	9° BTDC	16.0	3600	48.3 N.m	1 2500	EM
	K2QK0100R B	50-State	688.0	78.0/72.0	9° BTDC	16.5	3600	48.3 N.m	n 2500	EM
	K2QK0200R B	50-State	688.0	78.0/72.0	9° BTDC	16.5	3600	48.3 N.m	n 2500	EM
	K2QK0300-B	50-State	688.0	78.0/72.0	9° BTDC	16.5	3600	48.3 N.n	n 2500	EM
	K2QK0400R B	50-State	688.0	78.0/72.0	9° BTDC	16.5	3600	48.3 N.n	n 2500	EM
	K2QK0500R B	50-State	688.0	78.0/72.0	9° BTDC	16.5	3600	48.3 N.n	n 2500	EM
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RC-01 12-16-2019 Page: 9 -2

Model Year: Manufacturer: Honda Motor Co., Ltd.

2019 Engine Family: KHNXS.6882BA Issued: 9/28/2018 Revised:

12/09/2019 E.O. Number: U-U-001-0923

ATTACHMENT pzof3

Units for Table: kW

47. Model	48. Sales	49. Displ	50. Bore/	51. Ignition	52. Max	53. Rated Speed	54. Rated	55. Torque Speed	56. Emiss
Designation	Code	(cc)	Stroke	Timing	Power	(RPM)	Torque	(RPM)	Control Sy
К2QH0100-В	50-State	688.0	78.0/72.0	9° BTDC	15.5	3600	48.3 N.m	n 2500	EM
K2QH0200R B	50-State	688.0	78.0/72.0	9° BTDC	15.5	3600	48.3 N.m	2500	EM
K2QH0300R B	50-State	688.0	78.0/72.0	9° BTDC	15.5	3600	48.3 N.m	n 2500	EM
K2QH0400R B	50-State	688.0	78.0/72.0	9° BTDC	15.5	3600	48.3 N.m	2500	EM
K2QH0500R B	50-State	688.0	78.0/72.0	9° BTDC	15.5	3600	48.3 N.m	n 2500	EM
K2QH01H1- C	50-State	688.0	78.0/72.0	9° BTDC	15.5	3600	48.3 N.m	n 2500	EM
K2QH02H1- C	50-State	688.0	78.0/72.0	9° BTDC	15.5	3600	48.3 N.m	n 2500	EM
K2QH0600R B	50-State	688.0	78.0/72.0	9° BTDC	15.5	3600	48.3 N.m	n 2500	EM
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		-							
			-					1	
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		-						-	
	Model Designation K2QH0100-B K2QH0200R B K2QH0300R B K2QH0400R B K2QH0500R B K2QH0500R B K2QH01H1- C	Model DesignationSales CodeK2QH0100-B50-StateK2QH0200R B50-StateK2QH0300R B50-StateK2QH0400R B50-StateK2QH0500R B50-StateK2QH01H1- C50-StateK2QH02H1- C50-State	Model Designation         Sales Code         Displ Displ (cc)           K2QH0100-B         50-State         688.0           K2QH0200R B         50-State         688.0           K2QH0300R B         50-State         688.0           K2QH0400R B         50-State         688.0           K2QH0400R B         50-State         688.0           K2QH0500R B         50-State         688.0           K2QH0500R B         50-State         688.0           K2QH01H1- C         50-State         688.0           K2QH02H1- C         50-State         688.0	Model Designation         Sales Code         Displ (cc)         Bore/ Stroke           K2QH0100-B         50-State         688.0         78.0/72.0           K2QH0200R B         50-State         688.0         78.0/72.0           K2QH0300R B         50-State         688.0         78.0/72.0           K2QH0400R B         50-State         688.0         78.0/72.0           K2QH0500R B         50-State         688.0         78.0/72.0           K2QH0500R B         50-State         688.0         78.0/72.0           K2QH01H1- C         50-State         688.0         78.0/72.0           K2QH02H1- C         50-State         688.0         78.0/72.0           K2QH0600R B         50-State         688.0         78.0/72.0	Model DesignationSales CodeDispl (cc)Bore/ StrokeIgnition TimingK2QH0100-B50-State688.078.0/72.09° BTDCK2QH0200R B50-State688.078.0/72.09° BTDCK2QH0300R B50-State688.078.0/72.09° BTDCK2QH0400R B50-State688.078.0/72.09° BTDCK2QH0400R B50-State688.078.0/72.09° BTDCK2QH0500R B50-State688.078.0/72.09° BTDCK2QH0500R C50-State688.078.0/72.09° BTDCK2QH02H1- C50-State688.078.0/72.09° BTDCK2QH0600R B50-State688.078.0/72.09° BTDCK2QH0600R B50-State688.078.0/72.09° BTDC	Model Designation         Sales Code         Displ (cc)         Bore/ Stroke         Ignition Timing         Max Power           K2QH0100-B         50-State         688.0         78.0/72.0         9° BTDC         15.5           K2QH0200R B         50-State         688.0         78.0/72.0         9° BTDC         15.5           K2QH0300R B         50-State         688.0         78.0/72.0         9° BTDC         15.5           K2QH0400R B         50-State         688.0         78.0/72.0         9° BTDC         15.5           K2QH0500R B         50-State         688.0         78.0/72.0         9° BTDC         15.5           K2QH0500R B         50-State         688.0         78.0/72.0         9° BTDC         15.5           K2QH0500R B         50-State         688.0         78.0/72.0         9° BTDC         15.5           K2QH02H1- C         50-State         688.0         78.0/72.0         9° BTDC         15.5           K2QH0600R B         50-State         688.0         78.0/72.0         9° BTDC         15.5           K2QH0600R B         50-State         688.0         78.0/72.0         9° BTDC         15.5           K2QH0600R B         50-State         688.0         78.0/72.0         9° BTDC </td <td>Model Designation         Sales Code         Displ (cc)         Bore/ Stroke         Ignition Timing         Max Power         Rated Speed (RPM)           K2QH0100-B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0200R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0300R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0400R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0500R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0500R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH01H1- C         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0600R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0600R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0600R B         50-State         &lt;</td> <td>Model Designation         Sales Code         Displ Displ (cc)         Bore/ Stroke         Ignition Timing         Max Power         Rated Speed (RPM)         Rated Torque           K2QH0100-B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH0200R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH0300R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH0400R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH0500R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH01H1- C         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH02U1+ C         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH0600R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K</td> <td>Model Designation         Sales Code         Displ (cc)         Bore/ Stroke         Ignition Timing         Max Power         Rated Speed (RPM)         Rated Torque Speed Torque (RPM)           K2QH0100-B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0200R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0300R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0400R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0400R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0500R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH02H1- C         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0600R B         50-State         <t< td=""></t<></td>	Model Designation         Sales Code         Displ (cc)         Bore/ Stroke         Ignition Timing         Max Power         Rated Speed (RPM)           K2QH0100-B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0200R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0300R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0400R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0500R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0500R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH01H1- C         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0600R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0600R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600           K2QH0600R B         50-State         <	Model Designation         Sales Code         Displ Displ (cc)         Bore/ Stroke         Ignition Timing         Max Power         Rated Speed (RPM)         Rated Torque           K2QH0100-B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH0200R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH0300R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH0400R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH0500R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH01H1- C         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH02U1+ C         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K2QH0600R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m           K	Model Designation         Sales Code         Displ (cc)         Bore/ Stroke         Ignition Timing         Max Power         Rated Speed (RPM)         Rated Torque Speed Torque (RPM)           K2QH0100-B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0200R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0300R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0400R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0400R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0500R B         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH02H1- C         50-State         688.0         78.0/72.0         9° BTDC         15.5         3600         48.3 N.m         2500           K2QH0600R B         50-State <t< td=""></t<>

Small Off-Road Engine Model Summary Form

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Model Year: Manufacturer: Engine Family: KHNXS.6882BA

2019 Honda Motor Co., Ltd. Issued: 9/28/2018 12/09/2019

E.O. Number: U-U-001-0923

ATTACHMENT P30F3

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
	K2QV0100R B	50-State	688.0	78.0/72.0	9° BTDC	15.5	3600	48.3 N.n	n 2500	EM
	K2QV0200R B	50-State	688.0	78.0/72.0	9° BTDC	15.5	3600	48.3 N.n	n 2500	EM
	K2QV0300R B	50-State	688.0	78.0/72.0	9° BTDC	15.5	3600	48.3 N.n	n 2500	EM
	K2QW0100R B	50-State	688.0	78.0/72.0	9° BTDC	16.0	3600	48.3 N.n	n 2500	EM
	K2QW0200R B	50-State	688.0	78.0/72.0	9° BTDC	16.0	3600	48.3 N.n	n 2500	EM
	K2QX0100R B	50-State	688.0	78.0/72.0	9° BTDC	16.5	3600	48.3 N.n	n 2500	EM
	K2QX0200R B	50-State	688.0	78.0/72.0	9° BTDC	16.5	3600	48.3 N.n	n 2500	EM
	K2QX0300R B	50-State	688.0	78.0/72.0	9° BTDC	16.5	3600	48.3 N.n	n 2500	EM
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Small Off-Road Engine Model Summary Form

Revised: