

BRIGGS & STRATTON CORPORATION

EXECUTIVE ORDER U-U-002-1061
New Off-Road Small Spark-Ignition
Engines at or Below 19 Kilowatts

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 YEAR	ENGINE FAMILY		DISPLACEMENT (cc)	ENGINE CLASS		FUEL TYPE (CNG/LNG=compressed/liquefled natural gas LPG=liquefled petroleum gas)			
2019	KBSX	(S.1631HR	163	4-stroke, >80cc - <225cc		Gasoline			
DURABILITY HOURS		SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION				
125			EM			Pump, Generator Set, Tiller			
ENGINE CODES/MODELS (rated power in kilowatt, kW)		See Attachment							
EGR=exhaust	t gas recirc	ulation AIR=seco	ndary air injection PAIŘ≃p	oulsed AIR MFI=mu	ti port fuel inject	varm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S tion SFI=sequential MFI TBI=throttle body fuel injection x)=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	10.1	549	*	
CERTIFICATION LEVEL	8.2	335	*	

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 November 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

ATTACHMENT PAGE

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E0 #U-U-D02-1061

Model Year:

2019

Briggs & Stratton Corporation

Issued: Revised:

8/23/2018

E.O. Number:

Manufacturer: Engine Family: KBSXS.1631HR

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
10R2	50-State	163	68.0 / 45.0	20	3.7	3600	10.2	2800	EM
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	Model Designation	Model Sales Designation Code	Model Sales Displ Designation Code (cc)	Model Sales Displ Bore/ Designation Code (cc) Stroke	Model Sales Displ Bore/ Ignition Designation Code (cc) Stroke Timing	Model Sales Displ Bore/ Ignition Max Designation Code (cc) Stroke Timing Power	Model Designation Sales Code Displementary (cc) Bore/Stroke Ignition Timing Max Pated Speed (RPM) 10R2 50-State 163 68.0 / 45.0 20 3.7 3600	Model Designation Sales Code Displementation (cc) Bore/ Stroke Ignition Timing Max Pated Speed (RPM) Rated Torque 10R2 50-State 163 68.0 / 45.0 20 3.7 3600 10.2	Model Designation Sales Code Displemental (cc) Bore/ Stroke Ignition Timing Max Power Rated Speed (RPM) Rated Torque Speed (RPM) 10R2 50-State 163 68.0 / 45.0 20 3.7 3600 10.2 2800