

KOHLER COMPANY

EXECUTIVE ORDER U-L-021-0069 New Off-Road Large Spark-Ignition Engines Above 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 new large spark-ignition engines and emission control systems produced by the manufacturer are certified for use in off-road equipment as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL ENGINE FAMILY NAME		ENGINE DISPLACEMENT (liters)	ENGINE CLASS	FUEL TYPE					
2019	2019 KKHXB.8242KG		0.824		Gasoline				
DURABILITY HOURS			CIAL FEATURES & N CONTROL SYSTEMS	S	TYPICAL EQUIPMENT USAGE				
1000		Mult	tiport Fuel Injection	Ti	Tractor and Other Industrial Equipment				
ENGINE MODELS (rated power in kilowatt, kW)			See Attachment .						

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust certification emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2433(b)(1)) 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 13 CCR Section 2433(b)(3).

(g/kW-hr)	HC+NOx	СО
Standards	8.0	549
Certification Levels	7.4	333

BE IT FURTHER RESOLVED: That for the listed engines for the aforementioned model-year, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2433(d) (certification and test procedures), 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.

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 September 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

ATCACHMENTIFS 10+1

Model Year: _2019	Page: _5
Manufacturer Name: _Kohler Co	Issued:
Engine Family: _KKHXB.8242KG	Revised:
OFF-ROAD LSI ENGINE SUPPLEMENTAL INFORMATION	E.O.#: 11-1-021-006

\$12. MODEL SUMMARY (Use an asterisk (*) to identify worst-case engine model used for certification testing.)

S14.	S15. Sales Codes (Check ALL appropriate)		s Codes	S17.	ed Rated er Speed	S19. Peak Torque (FT-LB)	S20. Peak Torque Speed	
Engine Code			Displ. (Liters)	Power (kW)				
	Calif. Only	49- State	50- State					(RPM)
			Х	0.824	24.1	3600	64.7	3200
			Х	0.824	23.9	3600	64.0	2800
			Х	0.824	23.9	3600	64.0	2800
			Х	0.824	22.5	3600	62.5	2400
			Х	0.824	22	3600	62.4	2400
	Engine	Engine (C Code ap	Engine Sales Code (Check A appropriat	Engine Code Code Sales Codes (Check ALL appropriate) Calif. 49- 50- State X X X	Sales Codes (Check ALL appropriate) Eng. Displ. (Liters)	Sales Codes (Check ALL appropriate)	Sales Codes (Check ALL appropriate)	Sales Codes