

## THE TORO COMPANY

EXECUTIVE ORDER U-L-048-0023 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-19-095;

**IT IS ORDERED AND RESOLVED:** That the following equipment produced by the manufacturer is certified as described below. Production equipment shall be in all material respects the same as those for which certification is granted.

	NUFACTURER							
KLIBOT		ENGINE FAMILY	(E.O. NUMBER)	ENGINE SIZE (cc)	FUEL TYPE (CNG/LNG=compressed/liquefied natural of LPG=liquefied petroleum gas)			
KUBUT	TA CORPORATION	NKBXB01.5QFA	(U-L-016-0151)	1537	Gasoline			
.A. = See Attachmo BC = To Be Certific		EQUIPMEN <sup>-</sup>	T DESCRIPTION					
MODEL YEAR EVA	APORATIVE FAMILY	FUEL TANK NOMINAL CAPACITY (liters)	EQUIPMENT APPLICATION					
2023	L4XCOPCM	See Attachment		Other				
MISSION CONT	FROL SYSTEMS (ECS)	ENGINE and/or EQUIPMENT MODEL						
Cani	ister/Other	See Attachment						

The following is the evaporative hydrocarbon emission standard (13 CCR Section 2433(b)(4)) and certification emission level for this engine family in grams per gallon of fuel tank capacity (g/gallon).

<b>Evaporative Certification Method</b>	HC Certification Level (g/gallon)	HC Certification Standard (g/gallon)			
Performance Based	0.02	0.2			

**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(c) (certification and test procedures), 13 CCR Section 2434 (emission control labels), and 13 CCR Sections 2435 and 2436 (emission control system warranty).

Equipment certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the evaporative family and model-year listed above. Equipment in this family that is produced for any other model-year is not covered by this Executive Order.

Executed on this 28th day of October 2022.

Robin U. Lang, Chief

**Emissions Certification and Compliance Division** 

Date: \_08/30/2022 Evaporative Family: \_L4XCOPCM For CARB Use Only
Executive Order: U-L-048-0023
Attachment \_\_1\_of\_\_1\_

Model Summary

S1. Worst Case (Check One)		S3. Sales Codes (Check all appropriate)					S6. Fuel Tank Volume (Liters)									
		CA Only	49-State	50-State	S4. Engine Class ≤ 1 L (Yes or No)		Total	Nominal	S7. Fuel Tank Internal Surface Area (m^2)	S8. Fuel Line Type (e.g. Single or Multi-Layer)	S9. Nominal Fuel Line Length (mm)	S10. Fuel Line Inside Diameter (mm)	S11. Exhaust Family	S12. Fuel Tank Executive Order	\$13. Fuel Line Executive Order	S14. Carbon Canister or Other Venting Control Executive Order
х	41394			х	No	FI	54.4	40.8	0.908	Multi-layer	762	8	NKBXB01.5QFA	N/A	Q-19-003A (Q-19-003), Q-19-002A (Q-19-002)	Q-19-056A