

## JOHN DEERE

EXECUTIVE ORDER U-L-055-0010

New Off-Road Large Spark-Ignition
Equipment

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.

		ENGINE D	ESCRIPTION						
	MANUFACTURER	ENGINE FAMIL	Y (E.O. NUMBER)	ENGINE SIZE (cc)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)				
	KOHLER COMPANY	KKHXB.8242K0	G (U-L-021-0074) G (U-L-021-0069)	824	Gasoline				
POWE	R SOLUTIONS INTERNATION INC.	AL, KPSIB.9982GA	(U-L-011-0084)	970, 998	Gasoline				
Y	AMAHA MOTOR CO., LTD.	LYMXB.8242EH KYMXB.8242EH	( (U-L-024-0011) ( (U-L-024-0013) H (U-L-024-0010) H (U-L-024-0012)	824	Gasoline				
S.A. = See	Attachment; TBC = To Be Certifie		DESCRIPTION						
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK NOMINAL CAPACITY (liters)	EQUIPMENT APPLICATION						
2021	JDXCC2	30.8, 42.3		ZTR - Commercial, Other					
EMISS	ION CONTROL SYSTEMS (ECS)	ENGINE and/or EQUIPMENT MODEL							
(	Canister/Co-extruded	See Attachment							
Loge: - Me	PE (Venting Control Type/Tank Barrier tal=M Treated HDPE or PE=P Co-extr Tank Barrier Codes = M, P, C, L, N, A,	uded=C Selar=L Nvlon=N Acet	a=A Other=O B. EVAPO	IRATIVE FAMILY	other=O 2. <u>Tank Barrier Type and</u> 2-Letter CODE (Venting Control Codes be or code. Do not use abbreviations for				

The following are the evaporative emission standard (Title 13, California Code of Regulations, Section 2433(b)(4)(B), as applicable), and certification level in g organic material hydrocarbon equivalent day-1. The running loss emissions control has been demonstrated by the manufacturer.

*=not applicable	DIURNAL EMISSION STANDARD  (g organic material hydrocarbon equivalent day1)								
STANDARD	EVAPORATIVE FAMILY EMISSION LIMIT DIFFERENTIAL (ÉFELD)	EVAPORATIVE MODEL EMISSION LIMIT (EMEL)	CERTIFICATIONLEVEL						
1.20 + 0.056 × Nominal Capacity (L)	3.0	= (STANDARD) - (EFELD)	0.6						

**BE IT FURTHER RESOLVED:** That the evaporative model emission limit (EMEL), as applicable, is the diumal emissions level declared by the manufacturer based on diumal test results for a worst-case engine or equipment model within an evaporative family. No engine or equipment emissions within the evaporative family could be closer to its respective standard than the evaporative family emission limit differential (EFELD) calculated from the declared EMEL for the worst-case engine or equipment.

**BE IT FURTHER RESOLVED:** That the evaporative family emission limit differential (EFELD), as applicable, is an emission level differential between the effective standard level for a specific model representing the entire evaporative family and the EMEL declared for the specific model. It serves as the applicable evaporative emission standard for determining compliance on a corporate average basis of any equipment within this evaporative family under 13 CCR Sections 2754.1.

**BE IT FURTHER RESOLVED:** That for the listed equipment, 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 2759 (labeling), Section 2774 (bond requirements) and 13 CCR Sections 2760 and 2764 (emission control system warranty).

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



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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 2020.

Allen Lyons, Chief Emissions Certification and Compliance Division

## **Large Off-Road Evaporative Certification Database Form**

## **MODEL SUMMARY**

S1.	S2.	S	3.	S4.	S5.	;	S6.	S7.	S8.	S9.	S10.	S11.	S12.	S13.	S14.
Worst Case (Check One)	Model	Sales Codes (check all appropriate)		Engin e Class (I or II)	Fuel System (Fl or CARB)		ank Volume Liters)  Fuel Tank Internal Surface Area (m²)		Fuel Line Type (e.g. Single or	Line Inside Length <sup>(1)</sup> Diamete	Line	e le ete	Fuel Tank Executive Order	Fuel Line Executive Order	Carbon Canister (or Working Capacity (g/L))/ Other
		Only	State			Total	Nominal		Multi- layer)						Venting Control Executive Order
	2020A		X	II	FI	35.2	30.8	0.68	Multi- Layer	1619	6.35	KPSIB.9982GA	See Certification Data	Q-19-002	Q-19-064
	Z945M		Х	II	FI	48.3	42.3	1.2	Multi- Layer	855	6.35	KKHXB.8242KG LKHXB.8242KG	See Certification Data	Q-19-002	Q-19-056
х	Z955M Z955R		Х	II	FI	48.3	42.3	1.2	Multi- Layer	855	6.35	KYMXB.8242EK LYMXB.8242EK	See Certification Data	Q-19-002	Q-19-056
	Z965M		Х	П	FI	48.3	42.3	1.2	Multi- Layer	855	6.35	KYMXB.8242EH LYMXB.8242EH	See Certification Data	Q-19-002	Q-19-056
	Z955M Z955R		X	II	FI	48.3	42.3	1.2	Multi- Layer	<mark>855</mark>	<mark>6.35</mark>	KKHXB.8242KG LKHXB.8242KG	See Certification Data	Q-19-002	Q-19-056

<sup>(1)</sup> The nominal fuel line lengths can be grouped into increment of  $\pm$  3 inches (76 mm)