



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 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.

Table with columns: MODEL YEAR, ENGINE FAMILY, DISPLACEMENT (cc), ENGINE CLASS, FUEL TYPE. Includes sub-tables for DURABILITY HOURS, SPECIAL FEATURES & EMISSION CONTROL SYSTEMS, and TYPICAL EQUIPMENT APPLICATION.

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).

Table with columns: Emission Standard, HC+NOx (g/kW-hr), CO (g/kW-hr), PM (g/kW-hr). Rows include STANDARD, FAMILY EMISSION LEVEL, and CERTIFICATION LEVEL.

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.

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 4th day of December 2019.

Handwritten signature of Allen Lyons

Allen Lyons, Chief Emissions Certification and Compliance Division

Model Year: 2020  
 Manufacturer: MTD Southwest Inc.  
 Engine Family: LMTDS.0304EF

Issued: 10/8/2019  
 Revised: 10/8/2019  
 E.O. Number: U-V-020-0376

**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 Speed (RPM)	56. Emiss Control Sys
X	AC3X	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Bolens	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Craftsman	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Craftsman PRO	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Cub Cadet	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Hyper Tough	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Murray	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Murray Select	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Remington	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Rover	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Snapper	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Troy-Bilt	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Yard Machines	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM
	Yard-Man	50-State	30.0	39.37/25.4	32°BTDC	.83	7500	1.18 Nm	6500	EM