

	FPT INDUSTRIAL S.p.A.	EXECUTIVE ORDER U-R-015-0475 New Off-Road Compression-Ignition Engines
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Pursuant to the authority vested in California Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in 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 (liters)	FUEL TYPE	USEFUL LIFE (hours)
2021	MFPXL06.7CLA	6.7	Diesel	8,000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Direct Injection, Engine Control Module, Turbocharger, Charge Air Cooler, Diesel Oxidation Catalyst, Selective Catalytic Reduction - Urea, Ammonia Oxidation Catalyst			Tractor, Loaders, Generator Set, and Other Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.000	0.36	-	0.02	0.02	--	--	--

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (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 on this 12th day of January 2021.



Allen Lyons, Chief
Emissions Certification and Compliance Division

Attachment: Engine Models

EO #: U-R-015-0475

Family: MFPXL06.7CLA

Attachment Last Revised: 12/30/2020

Model	Code	Trim	Config	Displacement	Displacement - Units	Peak Power	Peak Power - Units	Peak Power - Speed (rpm)	Peak Power - Fueling	Peak Power - Fuel Units	Peak Torque	Peak Torque - Units	Peak Torque - Speed (rpm)	Peak Torque - Fuel Units	OBD	GHG	Special	Notes
F4DFE617 H*B	F4DFE617H*B		I6	6.7	Liters	280.06	horsepower	2150	131	mm3/stroke	945.1851852	lb-ft	1400	178				DDI ECM TC CAC DOC SCR-u AMOX
F4DFE617 G*B	F4DFE617G*B		I6	6.7	Liters	257.28	horsepower	2150	122	mm3/stroke	861.4814815	lb-ft	1400	162				DDI ECM TC CAC DOC SCR-u AMOX
F4DFE617 B*B	F4DFE617B*B		I6	6.7	Liters	249.24	horsepower	2150	118	mm3/stroke	838.5185185	lb-ft	1400	160				DDI ECM TC CAC DOC SCR-u AMOX
F4DFE617 F*B	F4DFE617F*B		I6	6.7	Liters	239.86	horsepower	2150	114	mm3/stroke	794.0740741	lb-ft	1300	151				DDI ECM TC CAC DOC SCR-u AMOX
F4DFE617 D*B	F4DFE617D*B		I6	6.7	Liters	225.12	horsepower	2150	108	mm3/stroke	752.5925926	lb-ft	1400	144				DDI ECM TC CAC DOC SCR-u AMOX
F4DFE617 C*B	F4DFE617C*B		I6	6.7	Liters	205.02	horsepower	2150	97	mm3/stroke	697.037037	lb-ft	1400	131				DDI ECM TC CAC DOC SCR-u AMOX
F4HFE617 B*B	F4HFE617B*B		I6	6.7	Liters	249.24	horsepower	2150	118	mm3/stroke	838.5185185	lb-ft	1400	160				DDI ECM TC CAC DOC SCR-u AMOX