



CUMMINS INC.

EXECUTIVE ORDER U-R-002-0834
New Off-Road
Compression-Ignition Engines

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)
2023	PCEXL06.7AAQ	6.7	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Control Module, Periodic Trap Oxidizer, Diesel Oxidation Catalyst, Electronic Direct Injection, Turbocharger, Selective Catalytic Reduction - Urea, Charge Air Cooler, Ammonia Oxidation Catalyst			Crane, Loader, Tractor, Dozer, Pump, Compressor	

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
75 ≤ kW ≤ 560	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.02	0.16	--	0.03	0.01	--	--	--

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).

BE IT FURTHER RESOLVED: That for the listed engine models which include engines from different power categories in the same engine family, the manufacturer is complying with the more stringent set of standards from the 130 ≤ kW ≤ 560 power category in conformance with the incorporated Section 1039.230 (e) of the "California Exhaust Emission Standards and Test Procedures for New 2011 and Later Tier 4 Off-Road Compression Ignition Engines, Part 1-D" adopted October 20, 2005 and last amended October 25, 2012.

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 9th day of August 2022.

Robin U. Lang, Chief
Emissions Certification and Compliance Division

Attachment: Engine Models

EO #: U-R-002-0834

Family: PCEXL06.7AAQ

Attachment Last Revised: 7/7/2022

Model	Code	Trim	Config	Displacement	Displacement -		Peak Power -		Peak Power -	Peak Power -	Peak Power - Fuel	Peak Torque -		Peak Torque -		Peak Torque - Fuel		OBD	GHG	Special	Notes	
					Units	Peak Power	Units	Speed (rpm)	Fueling	Units	Peak Torque	Units	Speed (rpm)	Peak Torque - Fuel	Units							
B6.7	OB1			6.7	Liters	316	horsepower	2500	159.1	mm3/stroke	1014	lb-ft	1500	98.0	lb/hr							
B6.7	OB2			6.7	Liters	300	horsepower	2500	156.5	mm3/stroke	950	lb-ft	1500	91.1	lb/hr							
B6.7	OB3			6.7	Liters	326	horsepower	2200	159.0	mm3/stroke	1014	lb-ft	1500	98.0	lb/hr							
B6.7	OB4			6.7	Liters	310	horsepower	2200	156.5	mm3/stroke	950	lb-ft	1500	91.1	lb/hr							
B6.7	OB5			6.7	Liters	262	horsepower	2500	155.8	mm3/stroke	996	lb-ft	1300	82.5	lb/hr							
B6.7	OB6			6.7	Liters	260	horsepower	2500	138.2	mm3/stroke	850	lb-ft	1500	79.6	lb/hr							
B6.7	OB7			6.7	Liters	225	horsepower	2500	109.2	mm3/stroke	700	lb-ft	1500	64.3	lb/hr							
B6.7	OB8			6.7	Liters	200	horsepower	2500	103.2	mm3/stroke	625	lb-ft	1500	57.3	lb/hr							
B6.7	OB9			6.7	Liters	173	horsepower	2500	96.3	mm3/stroke	625	lb-ft	1500	57.3	lb/hr							
B6.7	OB10			6.7	Liters	280	horsepower	2200	153.7	mm3/stroke	950	lb-ft	1500	90.4	lb/hr							
B6.7	OB11			6.7	Liters	260	horsepower	2200	153.7	mm3/stroke	996	lb-ft	1300	82.5	lb/hr							
B6.7	OB12			6.7	Liters	225	horsepower	2200	135.6	mm3/stroke	875	lb-ft	1300	71.3	lb/hr							
B6.7	OB13			6.7	Liters	225	horsepower	2200	135.6	mm3/stroke	875	lb-ft	1300	71.3	lb/hr							
B6.7	OB14			6.7	Liters	225	horsepower	2200	112.5	mm3/stroke	770	lb-ft	1500	71.2	lb/hr							
B6.7	OB15			6.7	Liters	200	horsepower	2200	107.2	mm3/stroke	730	lb-ft	1300	58.8	lb/hr							
B6.7	OB16			6.7	Liters	280	horsepower	2000	138.2	mm3/stroke	850	lb-ft	1500	79.6	lb/hr							
B6.7	OB17			6.7	Liters	250	horsepower	2000	135.6	mm3/stroke	850	lb-ft	1500	79.6	lb/hr							
B6.7	OB18			6.7	Liters	173	horsepower	2200	96.3	mm3/stroke	650	lb-ft	1300	52.2	lb/hr							
B6.7	OB19			6.7	Liters	173	horsepower	2200	96.3	mm3/stroke	650	lb-ft	1300	52.2	lb/hr							
B6.7	OB20			6.7	Liters	173	horsepower	2200	157.4	mm3/stroke	826	lb-ft	1100	58.0	lb/hr							
B6.7	OB21			6.7	Liters	155	horsepower	2200	89.4	mm3/stroke	550	lb-ft	1300	44.4	lb/hr							
B6.7	OB22			6.7	Liters	232	horsepower	2000	113.5	mm3/stroke	700	lb-ft	1500	64.3	lb/hr							
B6.7	OB23			6.7	Liters	195	horsepower	2000	96.3	mm3/stroke	625	lb-ft	1500	57.3	lb/hr							
B6.7	OB24			6.7	Liters	225	horsepower	1800	127.1	mm3/stroke	875	lb-ft	1300	71.3	lb/hr							
B6.7	OB25			6.7	Liters	302	horsepower	1900	187.7	mm3/stroke	1014	lb-ft	1500	97.6	lb/hr							
B6.7	OB26			6.7	Liters	255	horsepower	1900	182.2	mm3/stroke	996	lb-ft	1300	81.7	lb/hr							