

DEUTZ AG

EXECUTIVE ORDER U-R-013-0689

New Off-Road Compression-Ignition Engines Page 1 of 1

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	PDZXL03.6121	3.621	Diesel	8000					
SPECIAL	FEATURES & EMISSION (CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION						
Elec	non Rail Direct Injection ctronic Control Module, tion, Diesel Oxidation C Trap Oxidizer	Exhaust Gas catalyst, Continuous	Off-Road Crane, Loader, Tractor, Dozer, Pump, Compressor, Material Handler						

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			I	EXHAUST (g/kw-l	OPACITY (%)				
	STANDARD CATEGORY		NMHC	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
37 ≤ kW < 56	Tier 4 Final	STD	N/A	N/A	4.7	5.0	0.03	N/A	N/A	N/A
		CERT			4.1	0.1	0.004			

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 <u>3/st</u> day of August 2022.

Robin U. Lang, Chief

Emissions Certification and Compliance Division

Polin U. Lang

Attachment: Engine Models EO #: U-R-013-0689 Family: PDZXL03.6121 Attachment Last Revised: 8/22/2022

					Displacement -		Peak Power -	Peak Power -	Peak Power -	Peak Power - Fuel		Peak Torque -	Peak Torque -	Peak Torque - Fuel					
Model	Code	Trim	Config	Displacement	Units	Peak Power	Units	Speed (rpm)	Fueling	Units	Peak Torque	Units	Speed (rpm)	Peak Torque - Fue		OBD	GHG	Special	Notes
TD3.6L4	C5EI55E		L4	3.621	Liters	74.3	horsepower	2200	30.0	lb/hr	250.8	lb-ft	1500	26.5	lb/hr	N/A	N/A	N/A	N/A
TD3.6L4	C5EI55D		L4	3.621	Liters	74.3	horsepower	2300	30.8	lb/hr	250.8	lb-ft	1500	26.5	lb/hr	N/A	N/A	N/A	N/A
TD3.6L4	C5EI55B		L4	3.621	Liters	74.3	horsepower	2500	32.7	lb/hr	250.8	lb-ft	1500	26.5	lb/hr	N/A	N/A	N/A	N/A
TD3.6L4	C5EI55A		L4	3.621	Liters	74.3	horsepower	2600	33.7	lb/hr	250.8	lb-ft	1500	26.5	lb/hr	N/A	N/A	N/A	N/A
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