

	<b>HYUNDAI DOOSAN INFRACORE CO. LTD.</b>	<b>EXECUTIVE ORDER U-R-019-0206</b> New Off-Road Compression-Ignition Engines Page 1 of 1
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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)
2023	PDICL03.4LEB	3.409	Diesel	8000
<b>SPECIAL FEATURES &amp; EMISSION CONTROL SYSTEMS</b>			<b>TYPICAL EQUIPMENT APPLICATION</b>	
Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Electric Direct Injection, Turbocharger, Charge Air Cooler, Electronic Control Module			Loader, Tractor, Compressor, Generator Set, Excavator, Forklift, Utility Terrain Vehicle	

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
37 ≤ kW < 56	Tier 4 Final	<b>STD</b>	N/A	N/A	4.7	5.0	0.03	N/A	N/A	N/A
		<b>CERT</b>	--	--	3.5	0.2	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 1st day of November 2022.



Robin U. Lang, Chief  
Emissions Certification and Compliance Division

**Attachment: Engine Models**EO #: U-R-019-0206Family: PDICL03.4LEBAttachment Last Revised: 8/9/2023

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	
DL03-LEL04	D34NAP	N/A	I4	3.409	Liters	55.3	kilowatt	2400	57.4	mm3/stroke	330	N-m	1400	73.3	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DL03-LEF04	D34NAP	N/A	I4	3.409	Liters	55.0	kilowatt	2300	57.3	mm3/stroke	330	N-m	1400	72.5	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DL03-LEF08	D34NAP	N/A	I4	3.409	Liters	55.0	kilowatt	2300	57.3	mm3/stroke	330	N-m	1400	72.5	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DL03-LEV00	D34NAP	N/A	I4	3.409	Liters	55.3	kilowatt	2400	57.4	mm3/stroke	325	N-m	1400	73.2	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DL03-LEF10	D34NAP	N/A	I4	3.409	Liters	55.0	kilowatt	2300	57.3	mm3/stroke	330	N-m	1400	72.5	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DL03-LER00	D34NAP	N/A	I4	3.409	Liters	55.3	kilowatt	2400	57.4	mm3/stroke	325	N-m	1400	73.2	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DM03-LEV00	DM03P	N/A	I4	3.409	Liters	55.3	kilowatt	2400	50.6	mm3/stroke	330	N-m	1400	72.4	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DM03-LEP04	DM03P	N/A	I4	3.409	Liters	55.4	kilowatt	2600	48.2	mm3/stroke	330	N-m	1400	72.4	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DM03-LEF00	DM03P	N/A	I4	3.409	Liters	55.4	kilowatt	2300	51.9	mm3/stroke	330	N-m	1400	72.4	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DM03-LEF01	DM03P	N/A	I4	3.409	Liters	55.4	kilowatt	2300	51.9	mm3/stroke	330	N-m	1400	72.4	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DM03-LEG04	DM03PG	N/A	I4	3.409	Liters	55.4	kilowatt	1800	65.2	mm3/stroke	293.9	N-m	1800	65.2	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DM03-LEG04	DM03PG	N/A	I4	3.409	Liters	51.4	kilowatt	1500	72.9	mm3/stroke	327	N-m	1500	72.9	mm3/stroke	N/A	N/A	N/A	EGR, DOC, DFI, TC, CAC, ECM
DM03-LEF06	DM03P	N/A	I4	3.409	Liters	55.4	kilowatt	2300	51.9	mm3/stroke	330	N-m	1400	72.4	mm3/stroke	N/A	N/A	New Model Added	EGR, DOC, DFI, TC, CAC, ECM