



Pursuant to the authority vested in the 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-02-003;

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)
2006	6JDXL13.5103	13.5	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Exhaust-Gas Recirculation			Pump, Compressor, Generator Set, Other Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), 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 (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
225 ≤ kW ≤ 450	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
450 ≤ kW ≤ 560	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	-	-	3.6	0.9	0.14	19	5	44

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.

This Executive Order hereby supersedes Executive Order U-R-004-0267 dated February, 2006.

Executed at El Monte, California on this 23 day of August 2006.

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: **John Deere Power Systems of Deere and**
 Engine category: **Nonroad CI**
 PA Engine Family: **6JDXL13.5103**
 Mfr Family Name: **650HAA**
 Form Code: **New Submission**

Attachment 1 of 2
U-R-004-0267-1

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@ peak torque	9.Emission Control Device Per SAE J1930
6135HF485A	6135H 470	630.29@2100	311.00@2100	218.30@2100	2025.08@1575	393@1575	206.31@1575	EM,EGR,ECM,TC CAC,DDI

Manufacturer: John Deere Power Systems of Deere and
 Engine category: Nonroad CI
 EPA Engine Family: 6JDXL13.5103
 Mfr Family Name: 650HAA
 Process Code: Running Change

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 U-R-0040267-1

1. Engine Code	2. Engine Model	3. BHP @ RPM (SAE Gross)	4. Fuel Rate: mm ³ /stroke @ peak HP (for diesel only)	5. Fuel Rate: (lb ³ /hr) @ peak HP (for diesels only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm ³ /stroke @ peak torque	8. Fuel Rate: (lb ³ /hr) @ peak torque	9. Emission Control Device Per SAE J1930
6135HF485E	6135H	600.78 @ 2100	296.30 @ 2100	209.73 @ 2100	1880.54 @ 1575	354.5 @ 1575	188.19 @ 1575	EM/EGR/EC
6135HF485C	6135H	549.82 @ 2100	274.60 @ 2100	194.41 @ 2100	1792.04 @ 1400	356.6 @ 1400	168.28 @ 1400	EM/EGR/EC
6135HF485D	6135H	549.82 @ 2100	274.60 @ 2100	194.41 @ 2100	1792.04 @ 1400	356.6 @ 1400	168.28 @ 1400	EM/EGR/EC
6135HF485E	6135H	525.69 @ 2100	265.70 @ 2100	188.08 @ 2100	1792.04 @ 1400	357.6 @ 1400	168.79 @ 1400	EM/EGR/EC
6135HF485E	6135H	500.21 @ 2100	251.80 @ 2100	178.20 @ 2100	1688.80 @ 1400	332.1 @ 1400	156.74 @ 1400	EM/EGR/EC
6135HF485E	6135H	500.21 @ 2100	251.80 @ 2100	178.20 @ 2100	1688.80 @ 1400	332.1 @ 1400	156.74 @ 1400	EM/EGR/EC
6135HF485H	6135H	500.21 @ 1800	272.70 @ 1800	174.83 @ 1800	1792.04 @ 1400	356.9 @ 1400	169.87 @ 1400	EM/EGR/EC
6135HF485T	6135H	537.75 @ 1800	308.90 @ 1800	187.44 @ 1800				EM/EGR/EC
6135HF485S	6135H	516.88 @ 1800	347.50 @ 1800	210.98 @ 1800				EM/EGR/EC