

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-45-9;

**IT IS ORDERED AND RESOLVED:** That the following compression-ignition engine and emission control system 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)
2001	1DZXL06.1008	6.13	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Smoke Puff Limiter			Pump, Generator Set, Other Industrial Equipment	
ENGINE MODELS (rated power in kilowatts, kw)	See Attachment			

The following are the exhaust certification standards (STD) 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
37≤KW<130	Tier 1	STD	N/A	9.2	N/A	N/A	N/A	20	15	50
130≤KW<225	Tier 1	STD	1.3	9.2	N/A	11.4	0.54	20	15	50
		CERT	0.6	8.9	--	1.4	0.36	11	10	17

**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 at El Monte, California on this 31<sup>ST</sup> day of May 2001.

  
 R. B. Semmerfield, Chief  
 Mobile Source Operations Division

Attachment Models

List of emission components

ED# U-R-13-38 1D 9.1008

Engine type	Displacement	Engine code	Nominal Power ± 5%	Nominal Power ± 5%	Nominal speed ± 50 rpm	Mean effective pressure	Injection rate at nom. speed, ±4mm³	Peak torque ± 5%	Speed at peak torque ± 100 rpm	Mean effective pressure at peak torque	Injection rate at peak torque ±4mm³	Torque at 1000 rpm	Mean effective pressure at 1000 rpm	Injection rate at 1000 rpm	Low idle (+ 800rpm, dep. on engine applic.)	High idle (+300 rpm, dep. on engine applic.)	Fuel injection pump	Fuel injection nozzle	Camshaft	Injection timing (-°)	Speed governor	Speed governor, optionally	Smoke limiter, part of speed governor, -5mm³	Turbocharger
	cm³		HP	kW	rpm	bar	mm³/stroke	Nm	rpm	bar	mm³/stroke	Nm	bar	mm³/stroke	rpm	rpm	description	description	draw. numb.	°btcd	description	description	mm³/stroke	part numb.
BF6L913C	6128	C141	189	141	2500	11.04	92	670	1625	13.74	101				650	2600	PES6A95D410/3RS2909	DLLA147P854	02100079UA	20	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C141/1	189	141	2500	11.04	92	670	1625	13.74	101				650	2600	PES6A95D410/3RS2909	DLLA147P854	02100079UA	20	RSV325-1250A5C874L		n.a.	S2B018H
BF6L913C	6128	C136	182	136	2500	10.65	89	646	1625	13.25	97				650	2600	PES6A95D410/3RS2909	DLLA147P854	02100079UA	20	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C133	178	133	2500	10.42	87	646	1625	13.25	97				650	2600	PES6A95D410/3RS2909	DLLA147P854	02100079UA	20	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C131	176	131	2500	10.26	86	622	1625	12.76	94				650	2600	PES6A95D410/3RS2909	DLLA147P854	02100079UA	20	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C134	180	134	2300	11.41	91	649	1625	13.31	98				650	2400	PES6A95D410/3RS2909	DLLA147P854	02100079UA	19	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C132	177	132	2300	11.24	89	639	1625	13.11	96				650	2400	PES6A95D410/3RS2909	DLLA147P854	02100079UA	20	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C128	172	128	2300	10.90	86	619	1625	12.70	93				650	2400	PES6A95D410/3RS2909	DLLA147P854	02100079UA	19	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C125	168	125	2300	10.64	83	598	1625	12.27	90				650	2400	PES6A95D410/3RS2909	DLLA147P854	02100079UA	19	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C118/1	158	118	2300	10.05	81	585	1625	12.00	88				650	2400	PES6A95D410/3RS2909	DLLA147P854	02100079UA	19	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C126	169	126	2150	11.48	89	619	1625	12.70	93				650	2240	PES6A95D410/3RS2909	DLLA147P854	02100079UA	19	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C122	163	122	2150	11.11	86	602	1625	12.35	91				650	2240	PES6A95D410/3RS2909	DLLA147P854	02100079UA	19	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C121	162	121	2150	11.02	85	598	1625	12.27	90				650	2240	PES6A95D410/3RS2909	DLLA147P854	02100079UA	19	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C118	158	118	2150	10.75	82	585	1625	12.00	88				650	2240	PES6A95D410/3RS2909	DLLA147P854	02100079UA	19	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C121/1	162	121	2000	11.85	89	619	1625	12.70	93				650	2080	PES6A95D410/3RS2909	DLLA147P854	02100079UA	18	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C117	157	117	2000	11.45	86	602	1625	12.35	91				650	2080	PES6A95D410/3RS2909	DLLA147P854	02100079UA	18	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C114	153	114	2000	11.16	84	587	1625	12.04	88				650	2080	PES6A95D410/3RS2909	DLLA147P854	02100079UA	18	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C111	149	111	1800	12.07	89	602	1625	12.35	91				650	2080	PES6A95D410/3RS2909	DLLA147P854	02100079UA	18	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C99	133	99	1800	10.77	82	530	1625	10.87	85				650	1880	PES6A95D410/3RS2909	DLLA147P854	02100079UA	18	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C96	129	96	1800	10.44	80	530	1625	10.87	85				650	1880	PES6A95D410/3RS2909	DLLA147P854	02100079UA	18	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	C95	127	95	1800	10.33	80	530	1625	10.87	85				650	2080	PES6A95D410/3RS2909	DLLA147P854	02100079UA	18	RSV325-1250A5C872L/876L		64	S2B018H
BF6L913C	6128	D151	202	151	1800	16.43	133	n.a.	n.a.	n.a.	n.a.				n.a.	n.a.	PES6A95D410/3RS2876	DLLA147P854	02100079UA	18	RSV 325-900A7C 720L		64	S2B018H
BF6L913C	6128	D143,5	192	144	1800	15.61	126	n.a.	n.a.	n.a.	n.a.				n.a.	n.a.	PES6A95D410/3RS2876	DLLA147P854	02100079UA	18	RSV 325-900A7C 720L		n.a.	S2B018H
BF6L913C	6128	D136,5	183	137	1800	14.85	110	n.a.	n.a.	n.a.	n.a.				n.a.	n.a.	PES6A95D410/3RS2876	DLLA147P854	02100079UA	18	RSV 325-900A7C 720L		n.a.	S2B018H
BF6L913C	6128	D129	173	129	1800	14.03	104	n.a.	n.a.	n.a.	n.a.				n.a.	n.a.	PES6A95D410/3RS2876	DLLA147P854	02100079UA	18	RSV 325-900A7C 720L		n.a.	S2B018H
BF4L913C	4086	C84	113	84	2300	10.73	90	400	1650	12.31					650	2600	PES4A95D410/3RS2789	DLLA147P854	02100079UA	14	RSV325-1250A5C879L		64	S2A165B