

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 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)
2004	4DZXL07.1034	7.2	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Smoke Puff Limiter, Turbocharger, Charge Air Cooler			Loader, Compressor	

The engine models and codes are attached.

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
75 ≤ kW < 130	Tier 2	STD	N/A	N/A	6.5	5.0	0.30	20	15	50
130 ≤ kW < 225	Tier 2	STD	N/A	N/A	6.6	3.5	0.20	20	15	50
225 ≤ kW < 450	Tier 2	STD	N/A	N/A	6.4	3.5	0.20	20	15	50
		CERT	-	-	5.9	1.1	0.12	4	1	9

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 6TH day of January 2004.



Allen Lyons, Chief
 Mobile Source Operations Division

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZXLO7.1034
 Mfr. Family Name: BF6M1013C
 Process Code: New Submission

ENGINE MODEL SUMMARY FORM

Attachment 1 of 11
 W-R-017-0126

1. Engine Code	2. Engine Model	3. BHP@ RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ² /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)
CE132	BF6M1013C	177 2100	99	61.9	713 1400	105	49.1	EM ^{CAT} _{DPF, SPL, TC}
CE136	BF6M1013C	182 2200	99	63.8	713 1400	105	49.1	EM
CE136/1	BF6M1013C	182 2000	103	63.8	755 1400	112	52.0	EM
CE139	BF6M1013C	205 2300	100	71.8	713 1400	105	49.1	EM
CE140/1	BF6M1013C	188 2100	104	65.7	755 1400	112	52.0	EM
CE143/1	BF6M1013C	192 2000	108	67.1	797 1400	118	54.8	EM
CE144	BF6M1013C	193 2200	105	67.5	755 1400	112	52.0	EM
CE148/1	BF6M1013C	198 2300	106	69.4	755 1400	112	52.0	EM
CE148/2	BF6M1013C	198 2100	110	69.4	797 1400	118	54.8	EM
CE151/1	BF6M1013C	202 2000	114	70.8	840 1400	124	57.8	EM
CE151/2	BF6M1013C	202 1846	120	70.8	840 1400	124	57.8	EM
CE152/1	BF6M1013C	204 2200	111	71.3	797 1400	118	54.8	EM
CE156/1	BF6M1013C	209 2300	112	73.2	797 1400	118	54.8	EM
CE156/2	BF6M1013C	209 2100	116	73.2	840 1400	124	57.8	EM
CE157/2	BF6M1013C	210 2000	120	73.6	840 1400	124	57.8	EM
CE160/2	BF6M1013C	214 2400	112	75.0	797 1400	118	54.8	EM
CE161	BF6M1013C	216 2200	117	75.5	840 1400	124	57.8	EM
CE165/3	BF6M1013C	221 2300	118	77.4	840 1400	124	57.8	EM
CE143	BF6M1013CP	192 2000	110	67.1	784 1600	117	61.7	EM
CE146	BF6M1013CP	196 2100	110	68.5	784 1600	117	61.7	EM
CE151	BF6M1013CP	202 2000	116	70.8	830 1600	124	65.3	EM
CE155	BF6M1013CP	208 2300	111	72.7	784 1600	114	61.7	EM
CE156	BF6M1013CP	209 2100	118	73.2	830 1600	124	65.3	EM
CE158/1	BF6M1013CP	212 1800	130	74.1	887 1600	131	69.8	EM
CE159	BF6M1013CP	213 2000	122	74.6	877 1600	131	69.0	EM
CE164	BF6M1013CP	220 2100	124	76.9	877 1600	131	69.0	EM
CE165/4	BF6M1013CP	221 2300	118	77.4	830 1600	121	65.3	EM
CE166/1	BF6M1013CP	222 2200	120	77.9	830 1600	121	65.3	EM
CE168	BF6M1013CP	225 2000	129	78.8	887 1600	132	69.8	EM
CE169/3	BF6M1013CP	226 1846	135	79.3	887 1400	132	61.0	EM
CE170/3	BF6M1013CP	228 2200	123	79.7	1600	128	69.0	EM
CE173/1	BF6M1013CP	232 2100	132	81.1	1400	135	64.5	EM
CE173/2	BF6M1013CP	232 2100	130	81.1	1600	132	69.8	EM
CE175	BF6M1013CP	235 2300	125	82.1	1600	128	69.0	EM

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZXL07.1034
 Mfr. Family Name: BF6M1013C
 Process Code: New Submission

ENGINE MODEL SUMMARY FORM

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U-8-017-0126

1. Engine Code	2. Engine Model	3. BHP@ RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ³ /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)
CE175/1	BF6M1013CP	235 2000	135	82.1	1400	132	61.0	EM 00* , 04* , 30* , 70*
CE179/1	BF6M1013CP	240 2200	130	84.0	1600	130	69.8	EM
CE179/2	BF6M1013CP	240 2200	130	84.0	1400	133	64.5	EM
CE179/3	BF6M1013CP	240 2400	125	84.0	1600	124	68.0	EM
CE184/1	BF6M1013CP	247 2300	134	86.3	1400	133	64.5	EM
CE184/2	BF6M1013CP	247 2300	131	86.3	1600	130	69.8	EM
CE142	BF6M1013EC	190 2000	103	66.6	1400	112	52.9	EM
CE144T	BF6M1013FC	193 2300	93	67.5	1500	125	63.9	EM
CE146/1	BF6M1013EC	196 2100	104	68.5	1400	112	52.9	EM
CE147/1	BF6M1013EC	200 2200	105	70.0	1600	114	61.7	EM
CE147T	BF6M1013EC	197 2350	102	68.9	1500	109	55.7	EM
CE147T1	BF6M1013EC	200 2200	102	70.0	1500	121	61.6	EM
CE148	BF6M1013EC	205 2300	100	71.8	1400	105	50.0	EM
CE149	BF6M1013EC	200 2000	108	69.9	1400	118	55.8	EM
CE152	BF6M1013EC	204 2200	105	71.3	1400	112	52.9	EM
CE154	BF6M1013EC	206 2100	110	72.2	1400	118	55.8	EM
CE156/3	BF6M1013EC	209 1846	120	73.2	1400	124	58.8	EM
CE157	BF6M1013EC	210 2300	106	73.6	1400	112	52.9	EM
CE157/1	BF6M1013EC	210 2000	114	73.6	1400	124	58.8	EM
CE160	BF6M1013EC	214 2200	111	75.0	1400	118	55.8	EM
CE162	BF6M1013EC	217 2100	116	76.0	1400	124	58.8	EM
CE162/1	BF6M1013EC	217 2200	112	76.0	1400	124	58.8	EM
CE163	BF6M1013EC	218 2000	120	76.4	1400	124	58.8	EM
CE165/5	BF6M1013EC	221 2300	112	77.4	1400	118	55.8	EM
CE169/2	BF6M1013EC	226 2200	117	79.3	1400	124	58.8	EM
CE170/4	BF6M1013EC	228 2400	112	79.7	1400	118	55.8	EM
CE174/2	BF6M1013EC	233 2300	118	81.6	1400	124	58.8	EM
CE158	BF6M1013ECP	212 2000	116	74.1	1600	124	66.8	EM
CE161/1	BF6M1013ECP	216 1900	124	75.5	1600	131	70.5	EM
CE162/2	BF6M1013ECP	217 2200	110	76.0	1600	121	66.8	EM
CE163/1	BF6M1013ECP	218 1800	130	76.4	1600	131	70.5	EM
CE165/2	BF6M1013ECP	221 2100	118	77.4	1600	124	66.8	EM
CE166	BF6M1013ECP	222 2000	122	77.9	1600	131	70.5	EM
CE170/2	BF6M1013ECP	228 2200	116	79.7	1600	121	66.8	EM

ENGINE MODEL SUMMARY FORM

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZXL07.1034
 Mfr. Family Name: BF6M1013C
 Process Code: New Submission

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 U-R-013-0126

1. Engine Code	2. Engine Model	3. BHP@ RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ³ /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)
CE173	BF6M1013ECP	232 2100	124	81.1	1600	131	70.5	EM DP, CA, SA, TC
CE174/3	BF6M1013ECP	233 1846	135	81.6	1400	132	62.4	EM
CE176/3	BF6M1013ECP	236 2300	118	82.5	1600	121	66.8	EM
CE179	BF6M1013ECP	240 2200	123	84.0	1600	128	70.5	EM
CE182	BF6M1013ECP	244 2100	132	85.4	1400	135	65.6	EM
CE182/1	BF6M1013ECP	244 2100	130	85.4	1600	132	71.3	EM
CE182/2	BF6M1013ECP	244 2000	135	85.4	1400	132	62.4	EM
CE186/3	BF6M1013ECP	249 2300	125	87.2	1600	128	70.5	EM
CE188/2	BF6M1013ECP	252 2200	130	88.2	1400	133	65.6	EM
CE188/3	BF6M1013ECP	252 2200	130	88.2	1600	130	71.3	EM
CE190/2	BF6M1013ECP	255 2400	125	89.1	1600	124	69.6	EM
CE195/1	BF6M1013ECP	261 2300	134	91.5	1400	133	65.6	EM
CE195/2	BF6M1013ECP	261 2300	131	91.5	1600	130	71.3	EM
CE134	BF6M1013FC	249 2100	135	87.2	1400	143	69.4	EM
CE165	BF6M1013FC	221 2000	121	77.4	1500	134	68.2	EM
CE165/1	BF6M1013FC	221 2000	122	77.4	1400	131	63.7	EM
CE167	BF6M1013FC	224 2100	119	78.3	1500	134	68.2	EM
CE167/1	BF6M1013FC	224 2100	121	78.3	1400	131	63.7	EM
CE169	BF6M1013FC	226 2200	116	79.3	1500	133	68.2	EM
CE169/1	BF6M1013FC	226 2200	118	79.3	1400	131	63.7	EM
CE169T	BF6M1013FC	226 2350	110	79.3	1500	131	68.4	EM
CE169T1	BF6M1013FC	230 2200	116	80.5	1500	141	73.4	EM
CE170	BF6M1013FC	228 2300	115	79.7	1500	133	68.2	EM
CE170/1	BF6M1013FC	228 2300	119	79.7	1400	131	63.7	EM
CE173/3	BF6M1013FC	232 1800	140	81.1	1500	146	74.3	EM
CE174	BF6M1013FC	233 2000	128	81.6	1500	140	71.3	EM
CE174/1	BF6M1013FC	233 2000	129	81.6	1400	137	66.5	EM
CE176	BF6M1013FC	236 2100	126	82.5	1500	140	71.3	EM
CE176/1	BF6M1013FC	236 2100	127	82.5	1400	137	66.5	EM
CE176/2	BF6M1013FC	236 2000	129	82.5	1700	136	75.5	EM
CE178	BF6M1013FC	239 2200	123	83.5	1500	139	71.3	EM
CE178/1	BF6M1013FC	239 2200	124	83.5	1400	137	66.5	EM
CE180/1	BF6M1013FC	241 2300	126	84.4	1400	137	66.5	EM
CE180/2	BF6M1013FC	241 2300	122	84.4	1500	139	71.3	EM

ENGINE MODEL SUMMARY FORM

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZXL07.1034
 Mfr. Family Name: BF6M1013C
 Process Code: New Submission

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U-R-03-0126

1. Engine Code	2. Engine Model	3. BHP@ RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ³ /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)
CE183	BF6M1013FC	245 2000	134	85.8	1500	145	74.3	EM, SFC, PDP, TC, SAC
CE183/1	BF6M1013FC	245 2000	136	85.8	1400	143	69.4	EM
CE184	BF6M1013FC	247 2100	132	86.3	1700	135	75.5	EM
CE186	BF6M1013FC	249 2100	132	87.2	1500	145	74.3	EM
CE186/2	BF6M1013FC	249 2000	137	87.2	1700	141	79.5	EM
CE186T	BF6M1013FC	249 2200	128	87.2	1500	151	78.5	EM
CE188	BF6M1013FC	252 2200	130	88.2	1500	144	74.3	EM
CE188/1	BF6M1013FC	252 2200	130	88.2	1400	141	69.4	EM
CE190	BF6M1013FC	255 2300	129	89.1	1500	144	74.3	EM
CE190/1	BF6M1013FC	255 2300	130	89.1	1400	141	69.4	EM
CE191	BF6M1013FC	256 2000	140	89.6	1500	152	77.4	EM
CE191/1	BF6M1013FC	256 2000	142	89.6	1400	149	72.3	EM
CE191T	BF6M1013FC	256 2350	123	89.6	1500	149	77.4	EM
CE192	BF6M1013FC	257 2200	130	90.0	1700	133	75.5	EM
CE194	BF6M1013FC	260 2100	138	91.0	1500	152	77.4	EM
CE194/1	BF6M1013FC	260 2100	141	91.0	1400	149	72.3	EM
CE195	BF6M1013FC	261 2100	140	91.5	1700	141	79.5	EM
CE197	BF6M1013FC	264 2200	135	92.4	1500	153	77.4	EM
CE197/1	BF6M1013FC	264 2200	136	92.4	1400	147	72.3	EM
CE200	BF6M1013FC	268 2300	135	93.8	1500	153	77.4	EM
CE200/1	BF6M1013FC	268 2300	137	93.8	1400	147	72.3	EM
CE200/2	BF6M1013FC	268 2300	130	93.8	1700	133	75.5	EM
CE200/3	BF6M1013FC	268 2000	145	93.8	1700	147	83.6	EM
CE203	BF6M1013FC	272 2250	134	95.2	1700	145	83.6	EM
CE203/1	BF6M1013FC	272 2200	138	95.2	1700	139	79.5	EM
CE205	BF6M1013FC	275 2100	145	96.1	1700	147	83.6	EM
CE206	BF6M1013FC	276 2000	150	96.6	1700	152	87.7	EM
CE210	BF6M1013FC	261 2300	136	91.5	1700	145	83.6	EM
CE212	BF6M1013FC	284 2300	138	99.4	1700	139	79.5	EM
CE214	BF6M1013FC	287 2200	144	100.4	1700	145	83.6	EM
CE216	BF6M1013FC	289 2100	151	101.3	1700	152	87.7	EM
CE223	BF6M1013FC	299 2300	146	104.6	1700	145	83.6	EM
CE226	BF6M1013FC	303 2200	152	106.0	1700	151	87.7	EM
CE230	BF6M1013FC	295 2300	150	103.2	1700	151	87.7	EM

ENGINE MODEL SUMMARY FORM

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZXL07.1034
 Mfr. Family Name: BF6M1013C
 Process Code: New Submission

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1. Engine Code	2. Engine Model	3. BHP@ RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ² /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)
CE235	BF6M1013FC	315 2300	154	110.2	1050	151	87.7	EM ^{spL,PDJ,TC,CAC}
CE134/1	TAD720VE	180 2000	97	62.8	727	105	50.0	EM
CE146	TAD720VE	196 2100	104	68.5	769	112	52.9	EM
CE152	TAD720VE	204 2200	105	71.3	769	112	52.9	EM
CE154	TAD720VE	206 2100	110	72.2	811	118	55.8	EM
CE157	TAD720VE	210 2300	106	73.6	769	112	52.9	EM
CE162	TAD720VE	217 2100	116	76.0	854	124	58.8	EM
CE165	TAD720VE	221 2300	112	77.4	811	118	55.8	EM
CE169	TAD720VE	226 2200	117	79.3	854	124	58.8	EM
CE174	TAD720VE	233 2300	118	81.6	854	124	58.8	EM
CE165/1	TAD721VE	221 2100	118	77.4	850	123	66.8	EM
CE170	TAD721VE	228 2200	116	79.7	850	123	66.8	EM
CE176	TAD721VE	236 2300	118	82.5	850	123	66.8	EM
CE182	TAD721VE	244 2100	130	85.4	907	130	71.3	EM
CE188	TAD721VE	252 2200	130	88.2	907	130	71.3	EM
CE195	TAD721VE	261 2300	131	91.5	907	130	71.3	EM
CE112	BF4M1013C	150 2300	110	52.5	569	122	39.2	EM
CE109	BF4M1013C	146 2300	107	51.1	540	116	37.2	EM
CE101	BF4M1013C	135 2300	99	47.4	512	110	35.2	EM
CE96	BF4M1013C	129 2300	94	45.0	483	104	33.2	EM
CE109/1	BF4M1013C	146 2200	112	51.1	569	122	39.2	EM
CE106/1	BF4M1013C	142 2200	108	49.7	540	116	37.2	EM
CE99	BF4M1013C	133 2200	101	46.4	512	110	35.2	EM
CE94/2	BF4M1013C	126 2200	96	44.1	483	104	33.2	EM
CE106/2	BF4M1013C	142 2100	114	49.7	569	122	39.2	EM
CE102	BF4M1013C	137 2100	109	47.8	540	116	37.2	EM
CE97	BF4M1013C	130 2100	104	45.5	512	110	35.2	EM
CE92	BF4M1013C	123 2100	99	43.1	483	104	33.2	EM
CE102/1	BF4M1013C	137 2000	115	47.8	569	122	39.2	EM
CE99/2	BF4M1013C	133 2000	111	46.4	540	116	37.2	EM
CE94/1	BF4M1013C	126 2000	106	44.1	512	110	35.2	EM
CE88	BF4M1013C	118 2000	99	41.3	483	104	33.2	EM
DE97	BF4M1013C	130 1800	121	45.5	N/A	N/A	N/A	EM
DE92	BF4M1013C	123 1800	115	43.1	N/A	N/A	N/A	EM

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZXL07.1034
 Mfr. Family Name: BF6M1013C
 Process Code: New Submission

ENGINE MODEL SUMMARY FORM

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1. Engine Code	2. Engine Model	3. BHP@ RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ² /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)
DE88	BF4M1013C	118 1800	110	41.3	N/A	N/A	N/A	EM3R, BF, TC, CAT
DE103	BF4M1013C	138 1846	126	48.3	N/A	N/A	N/A	EM
DE93	BF4M1013C	125 1846	113	43.6	N/A	N/A	N/A	EM
DE106	BF4M1013C	142 2000	119	49.7	N/A	N/A	N/A	EM
DE96	BF4M1013C	129 2000	108	45.0	N/A	N/A	N/A	EM
DE110	BF4M1013C	147 2400	103	51.6	N/A	N/A	N/A	EM
DE100	BF4M1013C	134 2400	94	46.9	N/A	N/A	N/A	EM
CE118	BF4M1013EC	158 2300	115	55.3	577	1400	39.7	EM
CE115	BF4M1013EC	154 2300	113	53.9	548	1400	37.7	EM
CE107	BF4M1013EC	143 2300	105	50.2	520	1400	35.8	EM
CE102/2	BF4M1013EC	137 2300	100	47.8	491	1400	33.8	EM
CE114	BF4M1013EC	153 2200	117	53.5	577	1400	39.7	EM
CE111	BF4M1013EC	149 2200	114	52.1	548	1400	37.7	EM
CE104	BF4M1013EC	139 2200	106	48.8	520	1400	35.8	EM
CE99/2	BF4M1013EC	133 2200	101	46.4	491	1400	33.8	EM
CE110	BF4M1013EC	147 2100	118	51.6	577	1400	39.7	EM
CE106/2	BF4M1013EC	142 2100	114	49.7	548	1400	37.7	EM
CE101/1	BF4M1013EC	135 2100	108	47.4	520	1400	35.8	EM
CE96/1	BF4M1013EC	129 2100	103	45.0	491	1400	33.8	EM
CE106/3	BF4M1013EC	142 2000	119	49.7	577	1400	39.7	EM
CE103	BF4M1013EC	138 2000	116	48.3	548	1400	37.7	EM
CE98	BF4M1013EC	131 2000	110	46.0	520	1400	35.8	EM
CE92/1	BF4M1013EC	123 2000	104	43.1	491	1400	33.8	EM
DE110/1	BF4M1013EC	147 1800	138	51.6	N/A	N/A	N/A	EM
DE105	BF4M1013EC	141 1800	131	49.2	N/A	N/A	N/A	EM
DE100/1	BF4M1013EC	134 1800	125	46.9	N/A	N/A	N/A	EM
DE104	BF4M1013EC	139 1846	127	48.8	N/A	N/A	N/A	EM
DE95	BF4M1013EC	127 1846	116	44.6	N/A	N/A	N/A	EM
DE108	BF4M1013EC	145 2000	122	50.7	N/A	N/A	N/A	EM
DE98	BF4M1013EC	131 2000	110	46.0	N/A	N/A	N/A	EM
DE113	BF4M1013EC	151 2400	106	53.0	N/A	N/A	N/A	EM
DE103/1	BF4M1013EC	138 2400	97	48.3	N/A	N/A	N/A	EM
CE125	BF4M1013FC	168 2300	122	58.6	630	1500	46.4	EM
CE119	BF4M1013FC	159 2300	116	55.8	604	1500	44.5	EM

ENGINE MODEL SUMMARY FORM

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZXL07.1034
 Mfr. Family Name: BF6M1013C
 Process Code: New Submission

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 U-2-013-0126

1. Engine Code	2. Engine Model	3. BHP@ RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ² /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)
CE112/1	BF4M1013FC	150 2300	110	52.5	578	124	42.6	EM 5/4, 7, 8, 9, 10, 11
CE106/4	BF4M1013FC	142 2300	104	49.7	552	119	40.7	EM
CE129	BF4M1013FC	173 2300	126	60.5	700	151	48.2	EM
CE126	BF4M1013FC	169 2300	123	59.1	672	145	46.2	EM
CE120	BF4M1013FC	161 2300	117	56.3	645	139	44.4	EM
CE113	BF4M1013FC	151 2300	111	53.0	617	133	42.5	EM
CE123	BF4M1013FC	165 2200	126	57.7	630	135	46.4	EM
CE117	BF4M1013FC	157 2200	120	54.9	604	130	44.5	EM
CE111/1	BF4M1013FC	149 2200	114	52.1	578	124	42.6	EM
CE105	BF4M1013FC	141 2200	107	49.2	552	119	40.7	EM
CE129/1	BF4M1013FC	173 2200	132	60.5	700	151	48.2	EM
CE125/1	BF4M1013FC	168 2200	128	58.6	672	145	46.2	EM
CE119/1	BF4M1013FC	159 2200	122	55.8	645	139	44.4	EM
CE112/2	BF4M1013FC	150 2200	115	52.5	617	133	42.5	EM
CE120/1	BF4M1013FC	161 2100	129	56.3	630	135	46.4	EM
CE113/1	BF4M1013FC	151 2100	121	53.0	604	130	44.5	EM
CE109/2	BF4M1013FC	146 2100	117	51.1	578	124	42.6	EM
CE103/1	BF4M1013FC	138 2100	110	48.3	552	119	40.7	EM
CE129/1	BF4M1013FC	173 2100	138	60.5	700	151	48.2	EM
CE124	BF4M1013FC	166 2100	133	58.2	672	145	46.2	EM
CE118/1	BF4M1013FC	158 2100	126	55.3	645	139	44.4	EM
CE111/2	BF4M1013FC	149 2100	119	52.1	617	133	42.5	EM
CE117/1	BF4M1013FC	157 2000	132	54.9	630	135	46.4	EM
CE112/3	BF4M1013FC	150 2000	126	52.5	604	130	44.5	EM
CE107/1	BF4M1013FC	143 2000	120	50.2	578	124	42.6	EM
CE101/2	BF4M1013FC	135 2000	114	47.4	552	119	40.7	EM
CE128	BF4M1013FC	172 2000	144	60.0	700	151	48.2	EM
CE122	BF4M1013FC	163 2000	137	57.2	672	145	46.2	EM
CE116	BF4M1013FC	155 2000	131	54.4	645	139	44.4	EM
CE110/1	BF4M1013FC	147 2000	124	51.6	617	133	42.5	EM
DE119	BF4M1013FC	159 2400	112	55.8	N/A	N/A	N/A	EM
DE108/1	BF4M1013FC	145 2400	101	50.7	N/A	N/A	N/A	EM
DE117	BF4M1013FC	157 2000	132	54.9	N/A	N/A	N/A	EM
DE106/1	BF4M1013FC	142 2000	119	49.7	N/A	N/A	N/A	EM

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZXL07.1034
 Mfr. Family Name: BF6M1013C
 Process Code: New Submission

ENGINE MODEL SUMMARY FORM

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U-1-013-0126

1. Engine Code	2. Engine Model	3. BHP@ RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ³ /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)
DE122	BF4M1013FC	163 1846	149	57.2	N/A	N/A	N/A	EM DP, SPL, TC, GTC
DE111	BF4M1013FC	149 1846	135	52.1	N/A	N/A	N/A	EM
CE86	BF4M1013EC	115 1800	108	40.3	520	112	35.8	EM
CE80	BF4M1013EC	107 1800	100	37.5	520	112	35.8	EM
DE110/1	TAD520GE	147 1800	138	51.6	N/A	N/A	N/A	EM
CE118	TAD520VE	158 2300	115	55.3	577	124	39.7	EM
CE107	TAD520VE	143 2300	105	50.2	520	112	35.8	EM
CE114	TAD520VE	153 2200	117	53.5	577	124	39.7	EM
CE110	TAD520VE	147 2100	118	51.6	577	124	39.7	EM
CE101/1	TAD520VE	135 2100	108	47.4	520	112	35.8	EM
CE104	TAD520VE	139 2200	106	48.8	520	112	35.8	EM
CE129	BF6M1013C	173 2300	84	60.5	713	105	49.1	EM
CE176	TAD722VE	236 2100	126	82.5	967	140	71.3	EM
CE176/1	TAD722VE	236 2100	127	82.5	967	137	66.5	EM
CE178	TAD722VE	239 2200	123	83.5	967	139	71.3	EM
CE178/1	TAD722VE	239 2200	124	83.5	967	137	66.5	EM
CE180/1	TAD722VE	241 2300	126	84.4	967	137	66.5	EM
CE180/2	TAD722VE	241 2300	122	84.4	967	139	71.3	EM
CE194	TAD722VE	260 2100	138	91.0	1050	152	77.4	EM
CE194/1	TAD722VE	260 2100	141	91.0	1050	149	72.3	EM
CE195	TAD722VE	261 2100	140	91.5	952	141	79.5	EM
CE197	TAD722VE	264 2200	135	92.4	1050	152	77.4	EM
CE197/1	TAD722VE	264 2200	136	92.4	1050	147	72.3	EM
CE200	TAD722VE	268 2300	135	93.8	1050	152	77.4	EM
CE200/1	TAD722VE	268 2300	137	93.8	1050	147	72.3	EM
CE203/1	TAD722VE	272 2200	138	95.2	952	139	79.5	EM
CE212	TAD722VE	284 2300	138	99.4	952	139	79.5	EM
CE226	TAD722VE	303 2200	152	106.0	1050	152	87.7	EM
CE235	TAD722VE	235 2300	154	110.2	1050	153	87.7	EM
CE216	TAD722VE	289 2100	151	101.3	1050	153	87.7	EM
CE135	BF6M1013C	177 2100	99	61.9	713	105	49.1	EM
CE140	BF6M1013C	182 2200	99	63.8	713	105	49.1	EM
CE139/1	BF6M1013C	182 2000	103	63.8	755	112	52.0	EM
CE143/2	BF6M1013C	188 2100	104	65.7	755	112	52.0	EM

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZXL07.1034
 Mfr. Family Name: BF6M1013C
 Process Code: New Submission

ENGINE MODEL SUMMARY FORM

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 U-13-0126

1. Engine Code	2. Engine Model	3. BHP@ RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ² /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)
CE146/1	BF6M1013C	192 2000	108	67.1	1400	118	54.8	EM pPF, sPL, TC, CAT
CE148/3	BF6M1013C	193 2200	105	67.5	1400	112	52.0	EM
CE151/3	BF6M1013C	198 2100	110	69.4	1400	118	54.8	EM
CE156/3	BF6M1013C	204 2200	111	71.3	1400	118	54.8	EM
CE144/1	BF6M1013C	205 2300	100	71.8	1400	105	49.1	EM
CE153	BF6M1013C	198 2300	106	69.4	1400	112	52.0	EM
CE161/1	BF6M1013C	209 2300	112	73.2	1400	118	54.8	EM
CE147	BF6M1013CP	192 2000	110	67.1	1600	117	61.7	EM
CE155/1	BF6M1013CP	202 2000	116	70.8	1600	124	65.3	EM
CE163	BF6M1013CP	213 2000	122	74.6	1600	131	69.0	EM
CE151/4	BF6M1013CP	196 2100	110	68.5	1600	117	61.7	EM
CE161/2	BF6M1013CP	208 2300	111	72.7	1600	114	61.7	EM
CE161/3	BF6M1013CP	209 2100	118	73.2	1600	124	65.3	EM
CE169	BF6M1013CP	220 2100	124	76.9	1600	131	69.0	EM
CE171	BF6M1013CP	221 2300	118	77.4	1600	121	65.3	EM
CE166/2	BF6M1013CP	222 2200	120	77.9	1600	121	65.3	EM
CE175/2	BF6M1013CP	228 2200	123	79.7	1600	128	69.0	EM
CE181	BF6M1013CP	235 2300	125	82.1	1600	128	69.0	EM
CE112/1	BF4M1013C	150 2300	110	52.5	1400	116	37.2	EM
CE104	BF4M1013C	139 2300	102	48.8	1400	110	35.2	EM
CE99/1	BF4M1013C	133 2300	97	46.4	1400	104	33.2	EM
CE108	BF4M1013C	145 2200	110	50.7	1400	116	37.2	EM
CE101/1	BF4M1013C	135 2200	103	47.4	1400	110	35.2	EM
CE96/2	BF4M1013C	129 2200	98	45.0	1400	104	33.2	EM
CE104/1	BF4M1013C	139 2100	111	48.8	1400	116	37.2	EM
CE99/3	BF4M1013C	133 2100	106	46.4	1400	110	35.2	EM
CE94	BF4M1013C	126 2100	101	44.1	1400	104	33.2	EM
CE101/2	BF4M1013C	135 2000	114	47.4	1400	116	37.2	EM
CE96/1	BF4M1013C	129 2000	108	45.0	1400	110	35.2	EM
CE90	BF4M1013C	121 2000	101	42.2	1400	104	33.2	EM
CE95	BF4M1013EC	127 2300	93	44.6	1400	106	33.8	EM
CE86/1	BF4M1013EC	115 2300	84	40.3	1400	106	33.8	EM
CE88	BF4M1013EC	118 2200	90	41.3	1400	106	33.8	EM
CE86/2	BF4M1013EC	115 2000	97	40.3	1400	106	33.8	EM

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZXL07.1034
 Mfr. Family Name: BF6M1013C
 Process Code: New Submission

ENGINE MODEL SUMMARY FORM

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 U-12-017-0128

1. Engine Code	2. Engine Model	3. BHP@ RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ² /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)
CE93	BF4M1013C	125 2300	91	43.6	491	106	33.8	EM ^{PM, TC, PDE, CAC}
CE84	BF4M1013C	113 2300	82	39.4	491	106	33.8	EM
CE86	BF4M1013C	115 2200	88	40.3	491	106	33.8	EM
CE137	BF6M1013EC	184 2300	89	64.3	727	105	50.0	EM
CE129	BF6M1013EC	173 2300	84	60.5	727	105	50.0	EM
CE129/1	BF6M1013EC	173 2200	88	60.5	727	105	50.0	EM
CE129/2	BF6M1013EC	173 2100	92	60.5	727	105	50.0	EM
CE125	BF6M1013EC	168 2000	94	58.6	727	105	50.0	EM
CE137	BF6M1013C	184 2300	89	64.3	727	105	50.0	EM
CE122/1	BF6M1013C	163 2300	80	57.2	727	105	50.0	EM
CE125	BF6M1013C	168 2200	85	58.6	727	105	50.0	EM
CE126	BF6M1013C	169 2100	90	59.1	727	105	50.0	EM
CE110	BF6M1013C	147 2100	79	51.6	727	105	50.0	EM
CE122	BF6M1013C	163 2000	92	57.2	727	105	50.0	EM
DE163	TAD720GE	218 1800	136	76.4	N/A	N/A	N/A	EM
DE174	BF6M1013EC	233 1800	130	81.6	n.a.	N/A	N/A	EM
DE224	BF6M1013FC	292 1800	172	102.2	n.a.	N/A	N/A	EM
DE190	BF6M1013FC	255 1800	150	89.1	n.a.	N/A	N/A	EM
DE122/1	BF4M1013FC	163 1800	146	57.2	n.a.	N/A	N/A	EM
DE120	BF4M1013EC	161 1800	144	56.3	n.a.	N/A	N/A	EM
DE143	BF6M1013C	192 1800	119	67.1	n.a.	N/A	N/A	EM
DE160	BF6M1013CP	214 1800	132	75.0	n.a.	N/A	N/A	EM
CE86	BF4M1013EC	115 1800	107	40.3	525	123.0	36.1	EM
CE80	BF4M1013EC	71.8 107 1800	100	37.5	500	118.0	34.4	EM
CE110T	BF6M1013EC	133 2300	77	46.5	552	83.0	40.7	EM
CE121T	BF6M1013EC	146 2300	84	51.0	595	90.0	46.8	EM
CE128T	BF6M1013EC	154 2300	88	53.8	643	97.0	52.1	EM
CE198T	BF6M1013FC	247 2350	134	86.3	1050	153.0	80.0	EM
CE184T	BF6M1013FC	228 2350	122	79.6	968	141.0	69.0	EM
CE170T	BF6M1013FC	208 2300	116	72.7	890	143.0	59.1	EM
CE134T	BF6M1013EC	161 2350	92	56.5	774	94.0	49.5	EM
CE129T	BF6M1013EC	155 2350	89	54.4	655	98.0	46.7	EM
CE122T	BF6M1013EC	147 2300	84	51.4	609	91.0	41.9	EM
CE147T2	BF6M1013EC	197 2350	106	68.9	836	123.0	61.6	EM

ENGINE MODEL SUMMARY FORM

Manufacturer: DEUTZ AG
 Engine Category: Nonroad CI
 EPA Family Name: 3DZXL07.1034
 Mfr. Family Name: BF6M1013C
 Process Code: New Submission

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U-#-013-0176

1. Engine Code	2. Engine Model	3. BHP@ RPM	4. Fuel Rate @ Rated Power (mm ³ /stroke)	5. Fuel Rate (lbs./hr) Rated Power	6. Peak Torque @ RPM(NM)	7. Peak Torque (mm ² /stroke)	8. Fuel Rate (lbs./hr) @ Peak Torque	9. Emission Control Device (SAE J1930)
CE135T	BF6M1013EC	181 2350	98	63.3	793	1500	115.0	EM TC, CA, SP, BDF
CE190/3	BF6M1013CP	255 2300	131	89.1	887	1500	130.0	EM
CE92	D5DEBE2	123 1900	108	43.1	555	1400	126.0	EM
CE92/2	BF4M1013EC	123 1900	110	43.1	555	1400	131.0	EM
CE90	BF4M1013EC	121 1800	112	42.2	555	1400	118.0	EM
CE93	BF4M1013EC	125 2000	108	43.6	555	1400	131.0	EM
CE94	BF4M1013EC	126 2100	104	44.1	555	1400	131.0	EM
CE87	BF4M1013EC	117 1900	105	40.8	525	1400	123.0	EM
CE88	BF4M1013EC	118 2000	102	41.3	525	1400	123.0	EM
CE89	BF4M1013EC	119 2100	100	41.7	525	1400	123.0	EM
CE82	BF4M1013EC	110 1900	99	38.5	500	1400	118.0	EM
CE83	BF4M1013EC	111 2000	97	38.9	500	1400	118.0	EM
CE84	BF4M1013EC	113 2100	94	39.4	500	1400	118.0	EM
CE154	D7DDAE2	206 2100	110	72.2	811	1500	118.0	EM
CE223	TAD722VE	299 2300	146	104.6	1000	1700	145.0	EM
CE220	TAD722VE	295 2200	152	103.2	1050	1700	151.0	EM
CE220	BF6M1013FC	295 2200	152	103.2	1050	1700	151.0	EM
CE129	D7DDBE2	173 2100	94	60.5	727	1500	105.0	EM