



**Clarke Emergency Stationary Fire Pump Engine Driver Emissions Output Summary
(Reference USA EPA 40 CFR 60 Subpart III, Table 4)**

CLARKE MODEL NUMBER	ENGINE INFORMATION							EMISSION OUTPUTS				EMISSION OUTPUTS				EMISSION OUTPUTS			
	Nameplate Speed (rpm)	Nameplate Power (kW)	JDPS Engine Model/Rating	Rated Speed (rpm)	Rated Power (kW)	NAMEPLAT E BHP	NSPS Emissions TIER Level (40 CFR 60)	g / hp-hr				g / kW-hr				mg / Nm ³			
								NMHC	NOx	CO	PM	HC	NOx	CO	PM	HC	NOx	CO	PM
JU4H-UFADJ8	1760	64	4045HFC280G	1760	64	86	3 Certified	0.16	3.06	0.60	0.17	0.22	4.1	0.8	0.23	22.54	419.98	81.95	23.56
JU4H-UFADJ2	2100	74	4045HFC280F	2100	74	99	3 Certified	0.09	2.94	0.67	0.15	0.12	3.94	0.9	0.20	11.61	381.24	87.09	19.35
JU4H-UFADJ2	2350	74	4045HFC280E	2350	74	99	3 Certified	0.24	2.53	0.67	0.16	0.32	3.39	0.9	0.21	30.16	319.54	84.83	19.79
JU4H-UFAD5G	1760	82	4045HFC28A	1760	117	110	3 Certified	0.09	2.76	0.97	0.09	0.12	3.7	1.3	0.12	14.11	435.09	152.87	14.11
JU4H-UFAD5G	2100	84	4045HFC28D	2100	101	113	3 Certified	0.21	2.49	0.97	0.09	0.28	3.34	1.3	0.12	28.48	339.71	132.22	12.21
JU4H-UFAD5G	2350	88	4045HFC28C	2350	104	118	3 Certified	0.15	2.42	1.49	0.15	0.2	3.25	2.0	0.20	21.75	353.51	217.54	21.75
JU4H-UFADP0	1760	90	4045HFC28A	1760	117	121	3 Certified	0.09	2.76	0.97	0.09	0.12	3.7	1.3	0.12	14.11	435.09	152.87	14.11
JU4H-UFADP0	2100	93	4045HFC28D	2100	101	125	3 Certified	0.21	2.49	0.97	0.09	0.28	3.34	1.3	0.12	28.48	339.71	132.22	12.21
JU4H-UFADP0	2350	97	4045HFC28C	2350	104	130	3 Certified	0.15	2.42	1.49	0.15	0.2	3.25	2.0	0.20	21.75	353.51	217.54	21.75
JU4H-UFADR0	1760	84	4045HFC28A	1760	117	113	3 Certified	0.09	2.76	0.97	0.09	0.12	3.7	1.3	0.12	14.11	435.09	152.87	14.11
JU4H-UFADR0	2100	101	4045HFC28D	2100	101	136	3 Certified	0.21	2.49	0.97	0.09	0.28	3.34	1.3	0.12	28.48	339.71	132.22	12.21
JU4H-UFADR0	2350	104	4045HFC28C	2350	104	140	3 Certified	0.15	2.42	1.49	0.15	0.2	3.25	2.0	0.20	21.75	353.51	217.54	21.75
JU4H-UFADW8	1760	107	4045HFC28A	1760	117	144	3 Certified	0.09	2.76	0.97	0.09	0.12	3.7	1.3	0.12	14.11	435.09	152.87	14.11
JU4H-UFADY8	1760	117	4045HFC28A	1760	117	157	3 Certified	0.09	2.76	0.97	0.09	0.12	3.7	1.3	0.12	14.11	435.09	152.87	14.11
JU4H-UFAD98	1760	131	4045HFC28F	1760	147	175	3 Certified	0.10	2.75	0.75	0.12	0.13	3.69	1.0	0.16	15.64	443.96	120.31	19.25
JU6H-UFADMG	2100	131	6068HFC28D	2100	147	175	3 Certified	0.21	2.49	0.97	0.09	0.28	3.34	1.3	0.12	31.35	373.98	145.56	13.44
JU6H-UFADMG	2350	131	6068HFC28C	2350	149	175	3 Certified	0.24	2.49	1.12	0.09	0.32	3.34	1.5	0.12	34.51	360.18	161.76	12.94
JU6H-UFADN0	1760	137	6068HFC28A	1760	177	183	3 Certified	0.12	2.70	0.90	0.10	0.16	3.62	1.2	0.13	18.95	428.82	142.15	15.40
JU6H-UFADN0	1760	142	6068HFC28A	1760	177	190	3 Certified	0.12	2.70	0.90	0.10	0.16	3.62	1.2	0.13	18.95	428.82	142.15	15.40
JU6H-UFADN0	2100	135	6068HFC28D	2100	147	181	3 Certified	0.21	2.49	0.97	0.09	0.28	3.34	1.3	0.12	31.35	373.98	145.56	13.44
JU6H-UFADN0	2350	137	6068HFC28C	2350	149	183	3 Certified	0.24	2.49	1.12	0.09	0.32	3.34	1.5	0.12	34.51	360.18	161.76	12.94
JU6H-UFADN0	1760	147	6068HFC28A	1760	177	197	3 Certified	0.12	2.70	0.90	0.10	0.16	3.62	1.2	0.13	18.95	428.82	142.15	15.40
JU6H-UFADN0	2100	147	6068HFC28D	2100	147	197	3 Certified	0.21	2.49	0.97	0.09	0.28	3.34	1.3	0.12	31.35	373.98	145.56	13.44
JU6H-UFADN0	2350	149	6068HFC28C	2350	149	200	3 Certified	0.24	2.49	1.12	0.09	0.32	3.34	1.5	0.12	34.51	360.18	161.76	12.94
JU6H-UFADP0	2100	156	6068HFC48B	2400	236	209	3 Certified	0.07	2.56	0.60	0.08	0.09	3.43	0.8	0.11	9.93	378.27	88.23	12.13
JU6H-UFADP0	2350	157	6068HFC48B	2400	236	211	3 Certified	0.07	2.56	0.60	0.08	0.09	3.43	0.8	0.11	9.93	378.27	88.23	12.13
JU6H-UFADP8	1760	164	6068HFC28A	1760	235	220	3 Certified	0.12	2.70	0.90	0.10	0.16	3.62	1.2	0.13	25.16	569.33	188.73	20.45
JU6H-UFADQ0	2100	167	6068HFC48B	2400	236	224	3 Certified	0.07	2.56	0.60	0.08	0.09	3.43	0.8	0.11	9.93	378.27	88.23	12.13
JU6H-UFADQ0	2350	169	6068HFC48B	2400	236	226	3 Certified	0.07	2.56	0.60	0.08	0.09	3.43	0.8	0.11	9.93	378.27	88.23	12.13
JU6H-UFAD88	1760	177	6068HFC28A	1760	235	237	3 Certified	0.12	2.70	0.90	0.10	0.16	3.62	1.2	0.13	25.16	569.33	188.73	20.45
JU6H-UFADR0	2100	178	6068HFC48B	2400	236	238	3 Certified	0.07	2.56	0.60	0.08	0.09	3.43	0.8	0.11	9.93	378.27	88.23	12.13
JU6H-UFADR0	2350	179	6068HFC48B	2400	236	240	3 Certified	0.07	2.56	0.60	0.08	0.09	3.43	0.8	0.11	9.93	378.27	88.23	12.13
JU6H-UFADR8	1760	187	6068HFC48A	1760	235	250	3 Certified	0.06	2.69	0.45	0.05	0.08	3.61	0.6	0.07	9.21	415.76	69.10	8.06
JU6H-UFADS8	1760	194	6068HFC48A	1760	235	260	3 Certified	0.06	2.69	0.45	0.05	0.08	3.61	0.6	0.07	9.21	415.76	69.10	8.06
JU6H-UFADT0	2100	204	6068HFC48B	2400	236	274	3 Certified	0.07	2.56	0.60	0.08	0.09	3.43	0.8	0.11	9.93	378.27	88.23	12.13
JU6H-UFADT0	2350	205	6068HFC48B	2400	236	275	3 Certified	0.07	2.56	0.60	0.08	0.09	3.43	0.8	0.11	9.93	378.27	88.23	12.13
JU6H-UFADW8	1760	210	6068HFC48A	1760	235	282	3 Certified	0.06	2.69	0.45	0.05	0.08	3.61	0.6	0.07	9.21	415.76	69.10	8.06
JU6H-UFADX8	1760	228	6068HFC48A	1760	235	305	3 Certified	0.06	2.69	0.45	0.05	0.08	3.61	0.6	0.07	9.21	415.76	69.10	8.06
JU6H-UFAD98	1760	235	6068HFC48A	1760	235	315	3 Certified	0.06	2.69	0.45	0.05	0.08	3.61	0.6	0.07	9.21	415.76	69.10	8.06
JW6H-UFADF0	1760	244	6090HFC47A	1760	315	327	3 Certified	0.09	2.64	0.67	0.10	0.12	3.54	0.9	0.14	14.15	417.29	106.09	16.50
JW6H-UFADF0	2100	232	6090HFC47B	2100	298	311	3 Certified	0.10	2.61	0.82	0.10	0.14	3.5	1.1	0.14	14.27	356.82	112.14	14.27
JW6H-UFADJ0	1760	261	6090HFC47A	1760	315	350	3 Certified	0.09	2.64	0.67	0.10	0.12	3.54	0.9	0.14	14.15	417.29	106.09	16.50
JW6H-UFADJ0	2100	248	6090HFC47B	2100	298	332	3 Certified	0.10	2.61	0.82	0.10	0.14	3.5	1.1	0.14	14.27	356.82	112.14	14.27
JW6H-UFAD70	1760	280	6090HFC47A	1760	315	376	3 Certified	0.09	2.64	0.67	0.10	0.12	3.54	0.9	0.14	14.15	417.29	106.09	16.50
JW6H-UFAD70	2100	298	6090HFC47B	2100	298	399	3 Certified	0.10	2.61	0.82	0.10	0.14	3.5	1.1	0.14	14.27	356.82	112.14	14.27
JW6H-UFAD80	1760	315	6090HFC47A	1760	315	422	3 Certified	0.09	2.64	0.67	0.10	0.12	3.54	0.9	0.14	14.14	417.04	106.03	16.49
JW6H-UFAD80	2100	298	6090HFC47B	2100	298	400	3 Certified	0.10	2.61	0.82	0.10	0.14	3.5	1.1	0.14	14.29	357.29	112.29	14.29
JX6H-UFADF0	1760	343	6135HFC48B	1760	460	460	3 Certified	0.10	2.60	0.52	0.09	0.13	3.48	0.7	0.12	14.96	400.46	80.55	13.81
JX6H-UFADF0	2100	364	6135HFC48C	2100	448	488	3 Certified	0.17	2.47	0.60	0.08	0.23	3.31	0.8	0.11	26.10	375.60	90.78	12.48
JX6H-UFAD60	1760	380	6135HFC48B	1760	460	510	3 Certified	0.10	2.60	0.52	0.09	0.13	3.48	0.7	0.12	14.96	400.46	80.55	13.81
JX6H-UFAD60	2100	392	6135HFC48C	2100	448	525	3 Certified	0.17	2.47	0.60	0.08	0.23	3.31	0.8	0.11	26.10	375.60	90.78	12.48
JX6H-UFADN0	1760	404	6135HFC48B	1760	460	542	3 Certified	0.10	2.60	0.52	0.09	0.13	3.48	0.7	0.12	14.96	400.46	80.55	13.81
JX6H-UFADN0	2100	429	6135HFC48C	2100	448	575	3 Certified	0.17	2.47	0.60	0.08	0.23	3.31	0.8	0.11	26.10	375.60	90.78	12.48
JX6H-UFADP0	1760	429	6135HFC48B	1760	460	575	3 Certified	0.10	2.60	0.52	0.09	0.13	3.48	0.7	0.12	14.96	400.46	80.55	13.81
JX6H-UFADP0	2100	448	6135HFC48C	2100	448	600	3 Certified	0.17	2.47	0.60	0.08	0.23	3.31	0.8	0.11	26.10	375.60	90.78	12.48
JX6H-UFAD88	1760	460	6135HFC48B	1760	460	617	3 Certified	0.10	2.60	0.52	0.09	0.13	3.48	0.7	0.12	14.96	400.46	80.55	13.81

* Standardized conditions @ 15% O₂, O₂ and P=101300 Pa

Conversions:
These engines comply with US EPA stationary compression ignition emergency engine emission requirements. The calculated values for mg/Nm³ rely on certain assumptions and do not account for production variability. The actual results may vary from the results predicted by the analysis since estimates are applied to missing input data, the input parameters are approximate and sometimes incomplete, and the analysis itself is an approximation. These results are not exact conversions and JDPS makes no representation, guarantee or warranty that any particular engine would pass a source test.

Emissions Data:
The emission data listed is measured from a laboratory test engine according to the test procedures of 40 CFR 89 or 40 CFR 1039, as applicable. The test engine is intended to represent nominal production hardware, and we do not guarantee that every production engine will have identical test results. Emission results may vary due to engine manufacturing tolerances, engine operating conditions, fuels used, or other conditions beyond our control. This information is property of Deere & Company. It is provided solely for the purpose of obtaining certification or permits of Deere powered equipment. Field testing is not an acceptable method of emissions validation.