

Off-highway Diesel engine ratings



Non certified engines

Meeting emissions requirements: yesterday, today, and tomorrow - here, there and everywhere.

At John Deere, we take our responsibility to the environment very seriously, and we took steps to monitor and reduce emissions before government regulations were ever set. We have never wavered in this commitment.

John Deere emissions technology includes air-to-air intercooling, increased fuel injection pressure, a more efficient combustion bowl, guide seals, and more. Best of all, we've proven that you don't have to sacrifice performance to meet regulations.

John Deere engines apply the appropriate level of emissions technology while improving performance, increasing reliability, and reducing maintenance.

Tier 1/Stage I

Engine Model	Intermittent power		Rated speed RPM	Peak power		Peak power RPM	Continuous power		Peak torque			Bore mm	Stroke mm	Length mm	Width mm	Height mm	Weight kg
	kW	hp		kW	hp		kW	hp	Nm	lb-ft	RPM						
3029DF150	36	48	2500	36	48	2400	32	43	189	139	1000	106	110	716	519	819	316
3029DF150	43	58	2500	43	58	2500	39	52	191	141	1600	106	110	716	519	819	316
3029TF150	52	70	2500	52	70	2500	47	63	239	176	1600	106	110	716	519	928	328
3029TF150	59	79	2500	59	79	2500	53	71	271	200	1800	106	110	716	519	928	328
4045DF150	52	70	2500	52	70	2500	47	63	281	207	1000	106	127	860	612	846	387
4045DF150	58	78	2200	58	78	2200	-	-	310	229	1200	106	127	860	612	846	387
4045DF150	60	80	2500	60	80	2500	54	72	292	215	1200	106	127	860	612	846	387
4045DF150	61	82	2400	61	82	2400	-	-	310	229	1200	106	127	860	612	846	387
4045DF150	63	85	2500	63	85	2500	57	76	302	223	1200	106	127	860	612	846	387
4045TF150	66.5	89	2200	66.5	89	2200	-	-	374	276	1200	106	127	860	612	994	396
4045TF150	73	98	2200	73	98	2200	-	-	406	299	1200	106	127	860	612	994	396
4045TF150	74	99	2500	74	99	2500	67	90	372	274	1400	106	127	860	612	994	396
4045TF150	78	105	2300	78	105	2300	-	-	401	296	1300	106	127	860	612	994	396
4045TF250	85	114	2200	85	114	2200	-	-	446	329	1500	106	127	860	612	994	396
4045TF150	86	115	2500	86	115	2500	77	103	395	291	1400	106	127	860	612	994	396
4045TF250	93	125	2400	93	125	2400	84	113	445	328	1400	106	127	860	612	994	396
4045HF150	104	140	2400	104	140	2400	94	125	498	367	1400	106	127	867	612	1000	396
6068DF150	93	125	2500	93	125	2500	84	113	448	330	1200	106	127	1116	623	1025	522
6068TF150	94	126	2200	94	126	2200	-	-	546	402	1400	106	127	1116	623	1012	551
6068TF150	96	129	2100	96	129	2100	-	-	581	428	1200	106	127	1116	623	1012	551
6068TF250	106	142	2200	106	142	2200	-	-	614	453	1400	106	127	1116	623	1012	569
6068TF150	110.5	148	2100	110.5	148	2100	-	-	600	443	1400	106	127	1116	623	1012	551
6068TF150	110	148	2300	110	148	2300	-	-	594	438	1300	106	127	1116	623	1012	551
6068TF150	116	155	2500	116	155	2500	104	140	578	426	1200	106	127	1116	623	1012	551
6068TF150	116	156	2400	116	156	2400	104	139	607	448	1300	106	127	1116	623	1012	551
6068TF150	117	157	2200	117	157	2200	-	-	589	434	1200	106	127	1116	623	1012	551
6068TF150	127	170	2500	127	170	2500	114	153	606	447	1200	106	127	1116	623	1012	551
6068TF250	128	172	2300	128	172	2300	-	-	668	493	1400	106	127	1116	623	1012	569
6068TF250	138	185	2400	138	185	2400	124	166	656	484	1400	106	127	1116	623	1012	569
6068HF150	143	192	2200	143	192	2200	-	-	749	553	1300	106	127	1116	623	1015	550
6068TF250	149	200	2400	149	200	2400	134	180	793	585	1500	106	127	1116	623	1012	569
6068HF150	157	210	2400	157	210	2400	141	189	771	568	1400	106	127	1116	623	1015	550
6068HF250	168	225	2400	168	225	2400	151	203	839	619	1400	106	127	1116	623	1015	568



Tier 2/Stage II

Engine Model	Intermittent power		Rated speed RPM	Peak power		Peak power RPM	Continuous power		Peak torque			Bore mm	Stroke mm	Length mm	Width mm	Height mm	Weight kg
	kW	hp		kW	hp		kW	hp	Nm	lb-ft	RPM						
4024TF270	36.7	49	2800	36.7	49	2800	30.8	41	175	129	1680	86	105	662	566	772	251
4024TF270	45.5	61	2800	45.5	61	2800	38.7	55	212	156	1400	86	105	662	566	772	251
4024TF270	49.3	66	2800	49.3	66	2800	41.8	56	221	163	1600	86	105	662	566	772	251
3029TF270	48	64	2500	48	64	2500	43	58	225	166	1500	106	110	716	552	961	328
3029TF270	53	71	2500	53	71	2500	48	64	245	181	1600	106	110	716	552	961	328
5030TF270	56	75	2800	56.2	75	2800	47.8	64	264	195	1500	86	105	800	566	800	287
5030TF270	61.5	83	2800	61.5	83	2800	53.3	72	281	207	1680	86	105	800	566	800	287
5030HF270	74	99	2800	74	99	2800	62.9	84	253	343	1400	86	105	800	566	800	287
4045DF270	55	74	2500	55	74	2500	50	67	283	209	1200	106	127	860	612	846	387
4045DF270	60	80	2500	60	80	2500	54	72	296	218	1400	106	127	860	612	846	387
4045TF270	63	84	2500	63	84	2500	57	76	333	246	1200	106	127	860	612	994	396
4045TF270	74	99	2200	74	99	2200	67	90	389	287	1400	106	127	860	612	994	396
4045TF270	74	99	2500	74	99	2500	67	90	369	272	1600	106	127	860	612	994	396
4045TF275	82	110	2400	82	110	2400	74	99	392	289	1400	106	127	860	612	994	451
4045TF275	86	115	2500	86	115	2500	77	103	394	291	1400	106	127	860	612	994	451
4045HF275	86	115	2000	86	115	2000	77	103	498	367	1400	106	127	860	612	994	451
4045HF275	93	125	2200	93	125	2200	84	113	498	367	1400	106	127	860	612	994	451
4045HF275	93	125	2400	93	125	2400	84	113	463	341	1400	106	127	860	612	994	451
4045HF275	104	140	2200	104	140	2200	94	126	540	398	1400	106	127	860	612	994	451
4045HF275	104	140	2400	104	140	2400	94	126	498	367	1400	106	127	860	612	994	451
4045HF475	119	160	2200	119	160	2200	107	143	645	476	1400	106	127	860	612	994	451
4045HF475	129	173	2200	129	173	2200	116	156	700	516	1400	106	127	860	612	994	451
4045HF475	129	173	2400	129	173	2400	116	156	645	476	1400	106	127	860	612	994	451
6068TF275	101	135	2200	101	135	2200	91	122	554	409	1400	106	127	1116	623	1012	587
6068TF275	104	140	2000	104	140	2000	94	126	596	439	1400	106	127	1116	623	1012	587
6068TF275	112	150	2200	112	150	2200	101	135	609	449	1400	106	127	1116	623	1012	587
6068TF275	116	156	2500	116	156	2500	104	139	554	409	1400	106	127	1116	623	1012	587
6068TF275	123	165	2400	123	165	2400	111	149	587	433	1400	106	127	1116	623	1012	587
6068TF275	127	170	2500	127	170	2500	114	153	582	429	1400	106	127	1116	623	1012	587
6068HF275	129	173	2000	129	173	2000	116	156	740	546	1400	106	127	1123	637	1036	587
6068HF275	138	185	2400	138	185	2400	124	167	714	527	1400	106	127	1123	637	1036	587
6068HF275	149	200	2200	149	200	2200	134	180	809	597	1400	106	127	1123	637	1036	587
6068HF275	149	200	2400	149	200	2400	134	180	771	569	1400	106	127	1123	637	1036	587
6068HF275	157	211	2000	157	210	2000	141	189	900	664	1400	106	127	1123	637	1036	587
6068HF275	168	225	2200	168	225	2200	151	203	911	672	1400	106	127	1123	637	1036	587
6068HF275	168	225	2400	168	225	2400	151	203	835	616	1400	106	127	1123	637	1036	587
6068HF475	187	250	2200	187	250	2200	168	225	1025	756	1400	106	127	1161	627.4	1044	587
6068HF475	187	250	2400	187	250	2400	168	225	930	686	1400	106	127	1161	627.4	1044	587
6068HF475	205	275	2400	205	275	2400	185	248	1025	756	1400	106	127	1161	627.4	1044	587
6090HF475	172	231	2200	172	231	2200	-	-	1200	885	1600	118.4	136	1211	633	1160	901
6090HF475	219	296	2200	219	296	2200	-	-	1228	906	1600	118.4	136	1211	633	1160	901
6090HF475	239	321	2200	239	321	2200	-	-	1349	995	1600	118.4	136	1211	633	1160	901
6090HF475	261	350	2200	261	350	2200	-	-	1473.6	1087	1600	118.4	136	1211	633	1160	901
6090HF475	286	384	2200	286	384	2200	-	-	1474	1087	1600	118.4	136	1211	633	1160	901
6135HF475	294	394	2100	294	394	2100	-	-	-	-	1575	118.4	136	1208	855	1113	1493
6135HF475	320	429	2100	320	429	2100	-	-	2007	1480	1575	118.4	136	1208	855	1113	1493
6135HF475	373	500	2100	-	-	-	-	-	-	-	-	118.4	136	1208	855	1113	1493
6135HF475	428	574	2100	428	574	2100	-	-	2550	1881	1575	118.4	136	1208	855	1113	1493
6135HF475	448	601	2100	-	-	-	-	-	-	-	-	118.4	136	1208	-	1113	-



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