

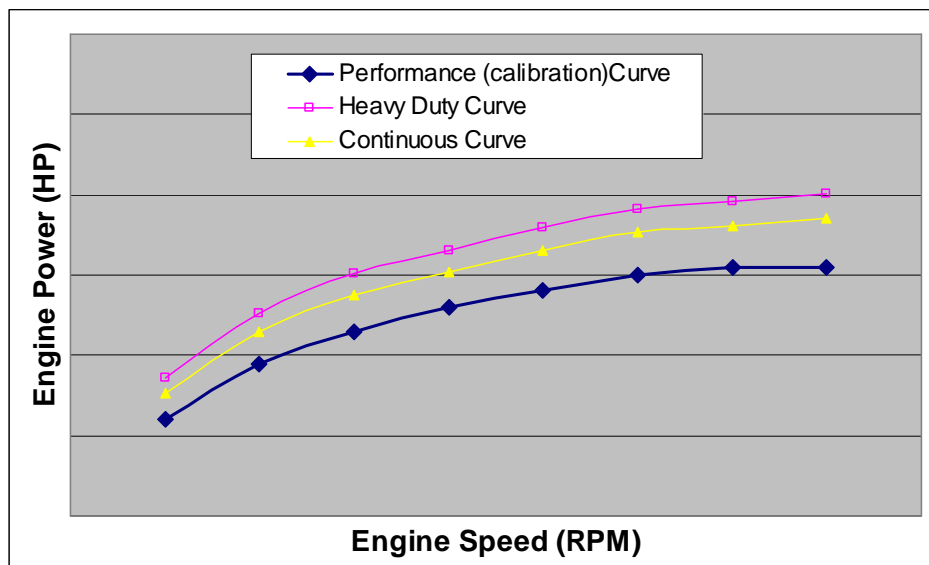
Durability Curves (Heavy Duty and Continuous)

The **Durability Curves** table that begins on the next page provides guidance in applying various engine models into Heavy Duty and Continuous applications. The **Durability Curves** information is based on engine model hardware components and is independent of the engine model ratings that are listed in the **Engine Performance Curves**.

Performance Curves are based on calibration requirements that are designed and controlled by emission and marketing guidelines. Because of this difference, it is important to understand that the **Durability Curve** information may not match the **Performance Curves**.

For a given engine model, some of the **Durability Curves** have values that are listed above the **Performance Curves** (i.e., "calibration" curves). This is because the engine hardware may be used on more-than-one engine model, and the limiting factor for the engine model may be something other than the hardware, for example the emission family.

If a customer has a specific engine rating that is listed in the **Performance Curve** (calibration curve), the **Durability Curves** table will help define what the maximum level is for the Heavy Duty or Continuous load. For example, if the **Performance Curve** value listed is lower than the rating for Heavy Duty or Continuous (as shown in the graph below), then the Performance Curve rating can be used in a Heavy Duty or Continuous application.



Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
3029DF120/3029DF160	2500	72	54	151	205	71	53	149	202
3029DF120/3029DF160	2400	72	54	157	213	73	54	160	216
3029DF120/3029DF160	2200	72	54	172	233	72	54	172	233
3029DF120/3029DF160	2000	68	51	179	243	69	51	181	246
3029DF120/3029DF160	1800	62	46	180	245	65	49	189	257
3029DF120/3029DF160	1600	55	41	179	243				
3029DF120/3029DF160	1400	46	35	174	235				
3029DF120/3029DF160	1200	37	28	163	221				
3029DF120/3029DF160	1000	29	22	153	207				
3029DF150/3029DF180	2500	53	39	110	149	52	39	108	147
3029DF150/3029DF180	2400	51	38	112	152	51	38	112	152
3029DF150/3029DF180	2200	50	37	119	162	49	36	117	159
3029DF150/3029DF180	2000	47	35	125	169	47	35	124	168
3029DF150/3029DF180	1800	44	33	127	173	42	32	123	166
3029DF150/3029DF180	1600	39	29	128	174	39	29	128	173
3029DF150/3029DF180	1400	32	24	119	161				
3029DF150/3029DF180	1200	25	19	112	152				
3029DF150/3029DF180	1000	21	15	109	147				
3029TF150/3029TF180	2500	72	54	151	205	71	53	149	202
3029TF150/3029TF180	2400	72	54	157	214	71	53	155	211
3029TF150/3029TF180	2200	69	52	165	225	69	52	165	224
3029TF150/3029TF180	2000	67	50	176	239	66	50	173	235
3029TF150/3029TF180	1800	62	46	182	246	62	46	182	247
3029TF150/3029TF180	1600	54	40	176	239				
3029TF150/3029TF180	1400	45	34	169	229				
3029TF150/3029TF180	1200	35	26	155	210				
3029TF150/3029TF180	1000	26	20	141	191				
3029TF270	2500	65	48	135	184	64	48	134	182
3029TF270	2200	62	46	148	201	62	46	149	202
3029TF270	2000	60	45	155	211	59	44	153	207
3029TF270	1800	55	41	159	215	55	41	160	217
3029TF270	1600	50	37	165	223	50	37	165	223
3029TF270	1500	45	34	160	216	44	33	155	209
3029TF270	1400	42	31	149	202	42	31	150	203
3029TF270	1200	28	21	125	169				
3029TF270	1000	22	16	112	152				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
4024HF285	2800	73	55	137	186	70	52	131	177
4024HF285	2700	74	55	143	195	70	52	136	185
4024HF285	2600	74	55	150	203	70	52	142	193
4024HF285	2500	74	55	156	211	70	53	148	201
4024HF285	2400	74	55	162	220	70	53	154	209
4024HF285	2300	74	55	169	229	70	52	161	218
4024HF285	2200	74	55	176	238	70	52	167	226
4024HF285	2100	73	54	183	248	69	52	174	235
4024HF285	2000	72	54	190	257	69	51	180	244
4024HF285	1900	69	51	190	257	65	49	180	244
4024HF285	1800	65	48	190	257	62	46	180	244
4024HF285	1700	60	45	186	252	57	43	177	240
4024HF285	1600	56	41	182	247	53	39	173	235
4024HF285	1500	50	38	176	239	48	36	168	227
4024HF285	1400	45	34	170	231	43	32	162	219
4024HF285	1300	40	30	163	221				
4024HF285	1200	36	27	156	211				
4024HF285	1100	31	23	147	199				
4024HF285	1000	26	20	137	186				
4024HF295_2400	2400	60	45	131	178	57	43	125	169
4024HF295_2400	2300	60	45	138	187	57	43	131	178
4024HF295_2400	2200	61	45	145	196	58	43	138	187
4024HF295_2400	2100	61	45	152	205	58	43	144	195
4024HF295_2400	2000	60	45	158	215	57	43	150	204
4024HF295_2400	1900	60	44	165	224	57	42	157	212
4024HF295_2400	1800	59	44	172	233	56	42	163	221
4024HF295_2400	1700	56	41	172	233	53	39	163	221
4024HF295_2400	1600	52	39	172	233	50	37	163	221
4024HF295_2400	1500	48	36	168	228	46	34	160	216
4024HF295_2400	1400	44	33	164	223	42	31	156	212
4024HF295_2800	2800	73	55	137	186	70	52	131	177
4024HF295_2800	2700	74	55	143	195	70	52	136	185
4024HF295_2800	2600	74	55	150	203	70	52	142	193
4024HF295_2800	2500	74	55	156	211	70	53	148	201
4024HF295_2800	2400	74	55	162	220	70	53	154	209
4024HF295_2800	2300	74	55	169	229	70	52	161	218
4024HF295_2800	2200	74	55	176	238	70	52	167	226
4024HF295_2800	2100	73	54	183	248	69	52	174	235
4024HF295_2800	2000	72	54	190	257	69	51	180	244
4024HF295_2800	1900	69	51	190	257	65	49	180	244
4024HF295_2800	1800	65	48	190	257	62	46	180	244
4024HF295_2800	1700	60	45	186	252	57	43	177	240
4024HF295_2800	1600	56	41	182	247	53	39	173	235
4024HF295_2800	1500	50	38	176	239	48	36	168	227
4024HF295_2800	1400	45	34	170	231	43	32	162	219
4024HF295_2800	1300	40	30	163	221				
4024HF295_2800	1200	36	27	156	211				
4024HF295_2800	1100	31	23	147	199				
4024HF295_2800	1000	26	20	137	186				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
4024TF270	2800	60	45	113	153	57	43	107	145
4024TF270	2700	60	44	116	157	57	42	110	149
4024TF270	2600	59	44	119	162	56	42	113	154
4024TF270	2500	59	44	123	167	56	42	117	159
4024TF270	2400	58	43	127	173	55	41	121	164
4024TF270	2300	57	43	130	177	54	40	124	168
4024TF270	2200	56	42	133	181	53	40	127	172
4024TF270	2100	55	41	136	185	52	39	130	176
4024TF270	2000	53	40	139	189	50	38	132	180
4024TF270	1900	52	39	143	194	49	37	136	184
4024TF270	1800	50	37	146	198	48	35	139	188
4024TF270	1700	48	36	147	200	45	34	140	190
4024TF270	1600	45	34	148	201	43	32	141	191
4024TF270	1500	41	31	144	195	39	29	137	185
4024TF270	1400	37	28	139	189	35	26	132	180
4024TF270	1300	32	24	128	174				
4024TF270	1200	27	20	117	159				
4024TF270	1100	23	17	110	150				
4024TF270	1000	20	15	103	140				
4024TF281	2800	60	45	113	153	57	43	107	145
4024TF281	2700	60	44	116	157	57	42	110	149
4024TF281	2600	59	44	119	162	56	42	113	154
4024TF281	2500	59	44	123	167	56	42	117	159
4024TF281	2400	58	43	127	173	55	41	121	164
4024TF281	2300	57	43	130	177	54	40	124	168
4024TF281	2200	56	42	133	181	53	40	127	172
4024TF281	2100	55	41	136	185	52	39	130	176
4024TF281	2000	53	40	139	189	50	38	132	180
4024TF281	1900	52	39	143	194	49	37	136	184
4024TF281	1800	50	37	146	198	48	35	139	188
4024TF281	1700	48	36	147	200	45	34	140	190
4024TF281	1600	45	34	148	201	43	32	141	191
4024TF281	1500	41	31	144	195	39	29	137	185
4024TF281	1400	37	28	139	189	35	26	132	180
4024TF281	1300	32	24	128	174				
4024TF281	1200	27	20	117	159				
4024TF281	1100	23	17	110	150				
4024TF281	1000	20	15	103	140				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
4024TF290	2800	60	45	113	153	57	43	107	145
4024TF290	2700	60	44	116	157	57	42	110	149
4024TF290	2600	59	44	119	162	56	42	113	154
4024TF290	2500	59	44	123	167	56	42	117	159
4024TF290	2400	58	43	127	173	55	41	121	164
4024TF290	2300	57	43	130	177	54	40	124	168
4024TF290	2200	56	42	133	181	53	40	127	172
4024TF290	2100	55	41	136	185	52	39	130	176
4024TF290	2000	53	40	139	189	50	38	132	180
4024TF290	1900	52	39	143	194	49	37	136	184
4024TF290	1800	50	37	146	198	48	35	139	188
4024TF290	1700	48	36	147	200	45	34	140	190
4024TF290	1600	45	34	148	201	43	32	141	191
4024TF290	1500	41	31	144	195	39	29	137	185
4024TF290	1400	37	28	139	189	35	26	132	180
4024TF290	1300	32	24	128	174				
4024TF290	1200	27	20	117	159				
4024TF290	1100	23	17	110	150				
4024TF290	1000	20	15	103	140				
4045DF150	2500	77	57	162	219	76	57	159	215
4045DF150	2400	75	56	165	225	75	56	164	223
4045DF150	2200	72	54	173	235	71	53	171	232
4045DF150	2000	68	51	180	245	67	50	177	240
4045DF150	1800	64	47	187	254	63	47	185	251
4045DF150	1600	58	44	193	262	58	43	192	261
4045DF150	1400	53	39	198	269	52	39	195	265
4045DF150	1200	46	35	203	275				
4045DF150	1000	38	28	201	273				
4045HF150	2400	127	95	277	376	126	94	275	373
4045HF150	2200	125	93	297	403	123	92	294	398
4045HF150	2000	118	88	311	421	117	87	308	417
4045HF150	1800	110	82	320	434	109	81	317	430
4045HF150	1600	100	75	328	445	99	74	325	440
4045HF150	1400	89	66	334	453	88	66	330	447
4045HF150	1200	68	51	299	405				
4045HF150	1000	51	38	269	365				
4045HF275_DE10	2400	127	95	277	376	126	94	275	373
4045HF275_DE10	2200	127	95	303	410	126	94	300	406
4045HF275_DE10	2000	119	89	315	427	118	88	313	423
4045HF275_DE10	1800	110	82	322	436	109	81	319	432
4045HF275_DE10	1600	100	75	328	445	99	74	325	441
4045HF275_DE10	1400	89	66	334	453	89	66	333	452
4045HF275_DE10	1200	71	53	311	422				
4045HF275_DE10	1000	47	35	248	336				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
4045HF280	2400	90	67	197	267	86	64	187	254
4045HF280	2300	91	68	208	281	86	64	197	267
4045HF280	2200	91	68	218	295	87	65	207	281
4045HF280	2100	91	68	228	309	86	64	216	293
4045HF280	2000	91	68	240	325	87	65	228	309
4045HF280	1900	89	66	246	334	85	63	234	317
4045HF280	1800	87	65	253	343	82	61	240	326
4045HF280	1700	82	62	255	345	78	58	242	328
4045HF280	1600	78	58	257	348	74	55	244	331
4045HF280	1500	71	53	249	337	67	50	236	320
4045HF280	1400	64	48	241	326	61	45	229	310
4045HF280	1300	56	42	227	308				
4045HF280	1200	49	37	215	291				
4045HF280	1100	43	32	206	280				
4045HF280	1000	38	28	198	268				
4045HF285	2400	127	95	278	376	121	90	264	358
4045HF285	2300	127	95	290	393	121	90	275	374
4045HF285	2200	127	94	302	410	120	90	287	390
4045HF285	2100	124	93	311	421	118	88	295	400
4045HF285	2000	122	91	319	433	115	86	303	411
4045HF285	1900	118	88	327	444	112	84	311	421
4045HF285	1800	115	86	335	455	109	81	318	432
4045HF285	1700	111	83	344	466	106	79	326	443
4045HF285	1600	107	80	352	477	102	76	334	453
4045HF285	1500	101	75	352	477	96	71	334	453
4045HF285	1400	93	69	347	471	88	66	330	447
4045HF285	1300	85	63	343	465				
4045HF285	1200	77	58	338	458				
4045HF285	1100	70	52	333	452				
4045HF285	1000	63	47	329	445				
4045HF475	2400	157	117	344	466	156	116	341	463
4045HF475	2200	164	122	389	527	162	121	385	522
4045HF475	2000	158	118	415	564	157	117	412	559
4045HF475	1800	146	109	428	580	145	108	424	575
4045HF475	1600	132	98	431	584	130	97	425	576
4045HF475	1400	115	86	433	586	115	86	431	584
4045HF475	1200	96	72	419	568				
4045HF475	1000	71	53	369	500				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
4045HF485	2400	157	117	344	466	149	111	327	443
4045HF485	2300	157	117	359	487	150	111	341	463
4045HF485	2200	157	117	375	508	149	111	356	483
4045HF485	2100	155	115	387	525	147	110	368	498
4045HF485	2000	152	113	399	541	144	108	379	514
4045HF485	1900	147	110	406	550	140	104	386	523
4045HF485	1800	142	106	413	560	134	100	392	532
4045HF485	1700	136	101	420	570	129	96	399	541
4045HF485	1600	130	97	427	579	124	92	406	550
4045HF485	1500	124	92	432	586	117	88	411	557
4045HF485	1400	115	86	432	586	110	82	411	557
4045HF485	1300	104	78	421	571				
4045HF485	1200	94	70	410	555				
4045HF485	1100	82	61	392	532				
4045HF485	1000	71	53	375	508				
4045HF485	900	62	46	359	487				
4045HF485	800	52	39	344	466				
4045DF270	2500	73	55	154	208	72	54	152	206
4045DF270	2200	69	52	167	226	68	51	165	223
4045DF270	2000	67	50	176	239	67	50	176	238
4045DF270	1800	62	46	180	245	62	46	181	245
4045DF270	1600	57	43	190	258	56	42	186	252
4045DF270	1400	53	39	198	269	52	39	195	265
4045DF270	1200	45	34	195	265				
4045DF270	1000	36	27	193	262				
4045TF150	2500					103	77	218	295
4045TF150	2400					102	76	219	302
4045TF150	2300	105	78	239	324	102	76	225	308
4045TF150	2200	106	79	253	343	99	74	237	320
4045TF150	2000	102	76	267	362	92	69	242	329
4045TF150	1800	95	71	277	375	87	65	254	344
4045TF150	1600	87	65	286	388	79	59	260	352
4045TF150	1400	78	58	292	396	70	52	261	354
4045TF150	1200	67	50	293	398				
4045TF150	1000	54	40	281	381				
4045TF220	2500	105	78	221	300	103	77	218	296
4045TF220	2400	104	77	228	309	103	77	227	307
4045TF220	2200	101	75	241	327	101	75	241	328
4045TF220	2000	95	71	251	340	94	70	247	335
4045TF220	1800	89	66	261	354	89	66	261	353
4045TF220	1600	81	60	266	361	79	59	260	352
4045TF220	1400	72	54	269	365	71	53	266	360
4045TF220	1200	60	45	265	359				
4045TF220	1000	47	35	251	340				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
4045TF250	2400	114	85	248	336	113	84	247	334
4045TF250	2200	111	83	265	359	110	82	262	356
4045TF250	2000	106	79	278	377	105	78	275	372
4045TF250	1800	99	74	288	391	98	73	285	387
4045TF250	1600	92	68	300	407	90	68	294	399
4045TF250	1400	80	60	302	409	80	59	302	409
4045TF250	1200	67	50	294	398				
4045TF250	1000	50	37	263	356				
4045TF250N	2400	114	85	248	336	113	84	247	334
4045TF250N	2200	111	83	265	359	110	82	262	356
4045TF250N	2000	106	79	278	377	105	78	275	372
4045TF250N	1800	99	74	288	391	98	73	285	387
4045TF250N	1600	92	68	300	407	90	68	294	399
4045TF250N	1400	80	60	302	409	80	59	302	409
4045TF250N	1200	67	50	294	398				
4045TF250N	1000	50	37	263	356				
4045TF270	2500	90	67	190	257	90	67	190	257
4045TF270	2200	90	67	215	291	89	66	212	288
4045TF270	2000	85	64	223	302	84	63	219	297
4045TF270	1800	78	59	229	311	78	58	229	310
4045TF270	1600	72	54	237	322	71	53	235	318
4045TF270	1400	65	49	247	335	66	49	249	338
4045TF270	1200	55	41	239	325				
4045TF270	1000	44	33	224	303				
4045TF275_DE10	2500	105	78	220	298	103	77	217	294
4045TF275_DE10	2400	105	78	229	311	103	77	226	306
4045TF275_DE10	2200	103	76	245	333	102	76	244	330
4045TF275_DE10	2000	96	72	252	342	95	71	248	337
4045TF275_DE10	1800	88	65	257	349	87	65	254	344
4045TF275_DE10	1600	81	60	263	356	79	59	257	348
4045TF275_DE10	1400	71	53	265	358	70	52	261	354
4045TF275_DE10	1200	57	43	252	341				
4045TF275_DE10	1000	46	35	242	328				
4045TF280	2400	77	57	168	228	73	54	160	217
4045TF280	2300	77	58	176	239	73	55	168	227
4045TF280	2200	77	58	184	250	73	55	175	238
4045TF280	2100	76	57	190	257	72	54	180	244
4045TF280	2000	74	55	195	265	71	53	185	251
4045TF280	1900	71	53	197	267	68	51	187	254
4045TF280	1800	68	51	199	270	65	48	189	257
4045TF280	1700	66	49	202	275	62	46	192	261
4045TF280	1600	62	46	202	275	59	44	192	261
4045TF280	1500	57	42	198	269	54	40	188	255
4045TF280	1400	52	39	194	263	49	37	184	250
4045TF280	1300	47	35	189	256				
4045TF280	1200	42	31	184	249				
4045TF280	1100	37	28	179	243				
4045TF280	1000	33	25	174	236				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
4045TF285	2400	99	74	217	294	94	70	206	279
4045TF285	2300	99	74	227	308	94	70	215	292
4045TF285	2200	99	74	237	321	94	70	225	305
4045TF285	2100	96	72	240	326	91	68	228	310
4045TF285	2000	93	69	244	331	88	66	232	314
4045TF285	1900	90	67	249	337	85	64	236	320
4045TF285	1800	87	65	253	343	82	61	240	326
4045TF285	1700	83	62	257	348	79	59	244	331
4045TF285	1600	79	59	260	353	75	56	247	335
4045TF285	1500	74	55	260	352	70	53	247	334
4045TF285	1400	69	51	259	351	66	49	246	333
4045TF285	1300	64	48	259	351				
4045TF285	1200	59	44	258	350				
4045TF285	1100	53	40	254	344				
4045TF285	1000	47	35	249	338				
5030HF270	2800	90	67	169	230	84	62.9	158	215
5030HF270	2600	89	66	180	244	83	62.1	168	227
5030HF270	2400	87	65	190	258	81	60.6	176	240
5030HF270	2200	85	63	202	273	79	58.8	189	255
5030HF270	2000	80	60	210	285	75	55.8	197	268
5030HF270	1800	75	56	220	298	70	52.5	204	277
5030HF270	1600	69	52	227	307	65	48.2	214	289
5030HF270	1400	61	46	230	312	57	42.7	215	292
5030HF270	1200	43	32	186	252				
5030HF270	1000	29	22	154	209				
5030HF285_2400	2400	82	61	180	245	78	58	171	232
5030HF285_2400	2300	83	62	189	256	79	59	179	243
5030HF285_2400	2200	83	62	197	267	78	58	187	254
5030HF285_2400	2100	82	61	205	278	78	58	195	264
5030HF285_2400	2000	81	61	213	289	77	58	203	275
5030HF285_2400	1900	80	60	221	300	76	57	210	285
5030HF285_2400	1800	78	58	229	310	74	56	217	295
5030HF285_2400	1700	74	55	228	309	70	52	216	293
5030HF285_2400	1600	69	51	227	307	66	49	215	292
5030HF285_2400	1500	64	48	224	303	61	45	212	288
5030HF285_2400	1400	59	44	221	299	56	42	210	284

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
5030HF285_2800	2800	90	67	169	229	86	64	161	218
5030HF285_2800	2700	90	67	176	238	86	64	167	226
5030HF285_2800	2600	90	67	182	247	86	64	173	235
5030HF285_2800	2500	90	67	189	256	86	64	180	244
5030HF285_2800	2400	89	67	196	265	85	63	186	252
5030HF285_2800	2300	89	67	204	276	85	63	194	263
5030HF285_2800	2200	89	66	212	287	84	63	201	273
5030HF285_2800	2100	88	66	220	299	84	62	209	284
5030HF285_2800	2000	87	65	229	310	83	62	217	295
5030HF285_2800	1900	83	62	229	310	79	59	217	295
5030HF285_2800	1800	78	58	229	310	74	56	217	295
5030HF285_2800	1700	74	55	228	309	70	52	216	293
5030HF285_2800	1600	69	51	227	307	66	49	215	292
5030HF285_2800	1500	64	48	224	303	61	45	212	288
5030HF285_2800	1400	59	44	221	299	56	42	210	284
5030HF285_2800	1300	52	39	212	287				
5030HF285_2800	1200	46	35	203	275				
5030HF285_2800	1100	39	29	186	253				
5030HF285_2800	1000	32	24	170	230				
5030TF270	2800	75	56	141	191	70	52.3	131	177
5030TF270	2600	75	55	150	204	69	51.7	139	188
5030TF270	2400	73	54	158	215	68	50.5	148	201
5030TF270	2200	70	52	167	227	66	49	158	214
5030TF270	2000	67	50	176	239	63	46.7	165	224
5030TF270	1800	63	47	184	249	59	43.9	173	234
5030TF270	1600	58	43	190	258	54	40.4	176	240
5030TF270	1500	55	41	192	261	51	38.3	179	244
5030TF270	1400	50	37	188	255	47	35	177	240
5030TF270	1200	33	25	145	196				
5030TF270	1000	24	18	124	168				
6068DF150	2500	114	85	238	323	113	84	237	321
6068DF150	2400	112	84	245	332	111	83	243	329
6068DF150	2200	108	81	259	351	107	80	256	347
6068DF150	2000	103	76	269	365	102	76	267	363
6068DF150	1800	95	71	279	378	94	70	275	372
6068DF150	1600	87	65	287	389	87	65	286	388
6068DF150	1400	79	59	295	400	78	58	291	394
6068DF150	1200	68	51	300	407				
6068DF150	1000	57	43	300	407				
6068HF150	2400	191	143	419	568	189	141	415	563
6068HF150	2200	187	140	448	607	186	139	445	603
6068HF150	2000	180	135	474	643	178	133	468	636
6068HF150	1800	169	126	495	670	168	125	491	666
6068HF150	1600	155	115	508	689	153	114	503	682
6068HF150	1400	137	103	516	701	136	102	512	694
6068HF150	1200	115	85	502	680				
6068HF150	1000	79	59	416	565				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
6068HF275	2000	157	117	413	560	156	116	409	555
6068HF275	1800	157	117	458	622	156	116	454	617
6068HF275	1600	149	111	488	662	148	110	485	657
6068HF275	1400	133	99	496	673	131	98	490	664
6068HF275	1200	107	80	469	636				
6068HF275	1000	75	55	389	527				
6068HF275_VP44	2400	227	170	499	676	225	168	494	670
6068HF275_VP44	2200	227	170	544	737	225	168	538	730
6068HF275_VP44	2000	218	163	572	775	216	161	566	768
6068HF275_VP44	1800	204	152	594	805	201	150	586	795
6068HF275_VP44	1600	186	139	613	831	185	138	608	825
6068HF275_VP44	1400	165	124	624	845	164	122	618	838
6068HF275_VP44	1200	131	97	568	771				
6068HF275_VP44	1000	85	64	445	605				
6068HF285	2400	182	135	398	539	173	129	378	512
6068HF285	2300	182	136	416	564	173	129	395	535
6068HF285	2200	182	136	434	588	173	129	412	559
6068HF285	2100	179	133	447	606	170	127	425	576
6068HF285	2000	175	131	460	624	166	124	437	592
6068HF285	1900	171	128	473	642	163	121	450	610
6068HF285	1800	167	124	487	660	158	118	462	627
6068HF285	1700	162	121	500	678	154	115	475	644
6068HF285	1600	156	117	513	695	148	111	487	661
6068HF285	1500	150	112	526	714	143	106	500	678
6068HF285	1400	139	103	520	705	132	98	494	669
6068HF285	1300	127	95	513	695				
6068HF285	1200	116	86	506	686				
6068HF285	1100	105	78	500	677				
6068HF285	1000	94	70	493	668				
6068HF475_HPCR	2400	250	186	547	742	248	185	543	736
6068HF475_HPCR	2200	250	186	599	813	248	185	594	806
6068HF475_HPCR	2000	244	182	640	868	241	180	633	859
6068HF475_HPCR	1800	226	169	660	895	224	167	653	886
6068HF475_HPCR	1600	206	154	677	918	204	152	670	908
6068HF475_HPCR	1400	183	136	687	932	181	135	681	923
6068HF475_HPCR	1200	149	111	650	882				
6068HF475_HPCR	1000	114	85	596	809				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
6068HF485	2400	250	186	547	742	238	177	520	705
6068HF485	2300	251	187	573	777	239	178	545	738
6068HF485	2200	251	187	599	813	239	178	569	772
6068HF485	2100	248	185	620	840	235	176	589	798
6068HF485	2000	244	182	640	868	232	173	608	825
6068HF485	1900	235	175	650	882	224	167	618	838
6068HF485	1800	226	169	660	895	215	160	627	851
6068HF485	1700	216	161	669	907	206	153	635	861
6068HF485	1600	206	154	677	918	196	146	643	872
6068HF485	1500	195	145	682	925	185	138	648	879
6068HF485	1400	183	137	687	932	174	130	653	885
6068HF485	1300	166	123	669	907				
6068HF485	1200	149	111	650	882				
6068HF485	1100	131	97	624	845				
6068HF485	1000	114	85	597	809				
6068HF485	900	95	71	557	755				
6068HF485	800	79	59	516	700				
6068HFC95 / HFC94	2400	230	171	502	681	204	152	446	605
6068HFC95 / HFC94	2300	230	171	524	711	204	152	466	632
6068HFC95 / HFC94	2200	230	171	548	743	204	152	488	661
6068HFC95 / HFC94	2100	234	174	584	792	210	157	525	712
6068HFC95 / HFC94	2000	236	176	620	840	214	160	563	763
6068HFC95 / HFC94	1900	237	177	655	888	217	162	600	814
6068HFC95 / HFC94	1800	237	176	690	936	217	162	632	857
6068HFC95 / HFC94	1700	234	175	724	982	214	160	661	896
6068HFC95 / HFC94	1600	230	172	756	1025	207	155	681	923
6068HFC95 / HFC94	1500	216	161	756	1025	194	145	681	923
6068HFC95 / HFC94	1400	199	149	747	1013				
6068HFC95 / HFC94	1300	183	136	738	1000				
6068HFC95 / HFC94	1200	163	122	715	970				
6068HFC95 / HFC94	1100	144	107	688	933				
6068HFC95 / HFC94	1000	125	93	656	890				
6068HFC95 / HFC94	900	106	79	620	840				
6068HFC95 / HFC94	800	89	66	583	790				
6068TF150	2500	155	115	325	441	153	114	322	437
6068TF150	2400	154	115	335	455	151	113	330	447
6068TF150	2200	148	110	353	479	147	110	353	478
6068TF150	2000	148	110	386	523	139	104	367	497
6068TF150	1800	142	106	415	562	130	97	379	514
6068TF150	1600	133	99	434	588	119	89	389	528
6068TF150	1400	115	86	434	588	106	79	395	541
6068TF150	1200	98	73	431	584				
6068TF150	1000	80	60	423	574				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
6068TF220	2500	155	115	325	441	153	114	322	437
6068TF220	2400	153	114	334	453	150	112	328	445
6068TF220	2200	147	110	352	477	146	109	349	473
6068TF220	2000	141	105	372	504	139	104	367	497
6068TF220	1800	132	98	385	521	130	97	379	514
6068TF220	1600	119	89	394	534	118	88	390	529
6068TF220	1400	105	78	392	532	103	77	386	524
6068TF220	1200	88	65	385	521				
6068TF220	1000	72	54	377	512				
6068TF250	2400					166	124	363	493
6068TF250	2300	172	128	392	531	165	123	373	506
6068TF250	2200	172	128	410	556	162	121	386	524
6068TF250	2000	169	126	444	602	156	116	409	555
6068TF250	1800	161	120	470	637	147	110	430	583
6068TF250	1600	147	110	484	656	135	101	444	601
6068TF250	1400	131	98	493	668	121	90	454	616
6068TF250	1200	105	78	458	621				
6068TF250	1000	80	60	423	573				
6068TF250N	2400	205	153	448	607	203	151	445	603
6068TF250N	2200	204	152	486	659	201	150	480	651
6068TF250N	2000	198	148	522	707	197	147	519	703
6068TF250N	1800	185	138	541	733	183	137	534	723
6068TF250N	1600	171	127	560	760	169	126	554	752
6068TF250N	1400	150	112	563	763	148	111	555	753
6068TF250N	1200	123	92	539	731				
6068TF250N	1000	85	64	448	607				
6068TF275_DE10	2400	150	112	328	445	149	111	326	442
6068TF275_DE10	2200	150	112	358	485	149	111	356	482
6068TF275_DE10	2000	143	106	374	506	141	105	369	500
6068TF275_DE10	1800	132	98	383	519	130	97	377	512
6068TF275_DE10	1600	119	89	391	530	118	88	387	525
6068TF275_DE10	1400	105	78	394	534	103	77	388	526
6068TF275_DE10	1200	86	65	377	512				
6068TF275_DE10	1000	65	49	345	469				
6081AF001	2200	250	186	596	809	235	175	561	761
6081AF001	2000	258	193	679	920	241	180	634	859
6081AF001	1800	254	189	740	1003	237	177	691	937
6081AF001	1600	244	182	800	1085	228	170	749	1016
6081AF001	1400	219	164	824	1116	205	153	771	1045
6081AF001	1200	190	142	833	1128				
6081AF001	1000	101	75	532	721				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
6081AF001E	2200	250	187	597	809	235	175	562	762
6081AF001E	2000	267	199	701	950	235	175	618	838
6081AF001E	1800	259	193	755	1024	235	175	687	931
6081AF001E	1600	239	158	784	1062	221	165	726	985
6081AF001E	1400	212	158	795	1078	198	148	745	1009
6081AF001E	1200	170	127	745	1011				
6081AF001E	1000	114	85	599	812				
6081HF001	2200	273	204	652	884	255	190	815	1105
6081HF001	2000	289	215	759	1029	270	201	815	1105
6081HF001	1800	285	213	833	1128	267	199	815	1105
6081HF001	1600	273	204	896	1215	255	190	815	1105
6081HF001	1400	244	182	915	1240	228	170	815	1105
6081HF001	1200	214	159	934	1266				
6081HF001	1000	158	118	833	1128				
6081HF001E	2200	275	205	656	890	255	190	608	825
6081HF001E	2000	293	219	771	1046	255	190	669	907
6081HF001E	1800	283	211	826	1119	255	190	743	1008
6081HF001E	1600	260	194	854	1158	239	178	784	1062
6081HF001E	1400	233	174	875	1187	217	162	815	1105
6081HF001E	1200	200	149	875	1187				
6081HF001E	1000	159	119	838	1136				
6081HF070	2200	318	237	760	1030	286	214	684	927
6081HF070	2000	318	237	836	1135	286	214	753	1021
6081HF070	1800	314	234	913	1237	282	210	821	1114
6081HF070	1700	304	226	935	1268	275	205	850	1152
6081HF070	1600	293	219	964	1307	269	200	881	1195
6081HF070	1500	276	206	964	1307	253	188	885	1200
6081HF070	1400	258	192	965	1309				
6081HF070	1200	220	164	961	1303				
6081HF070	1000	169	126	885	1200				
6081TF001	2200	200	149	477	647	170	127		
6081TF001	2000	208	155	546	741	176	131		
6081TF001	1800	204	152	595	807	172	128		
6081TF001	1600	190	142	625	848	161	120		
6081TF001	1400	170	127	639	866	144	107		
6081TF001	1200	145	108	635	861				
6081TF001	1000	105	78	548	743				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
6090HF485	2200	341	254	815	1105	324	242	774	1049
6090HF485	2100	342	255	856	1160	325	242	813	1102
6090HF485	2000	341	255	896	1215	324	242	852	1155
6090HF485	1900	342	255	945	1282	325	242	898	1218
6090HF485	1800	341	254	994	1348	324	241	945	1281
6090HF485	1700	329	245	1015	1377	312	233	965	1308
6090HF485	1600	316	235	1037	1405	300	224	985	1335
6090HF485	1500	298	222	1042	1413	283	211	990	1342
6090HF485	1400	275	205	1033	1401	262	195	982	1331
6090HF485	1300	255	190	1030	1396				
6090HF485	1200	235	175	1027	1392				
6090HF485	1100	207	154	988	1340				
6090HF485	1000	181	135	949	1287				
6090HF485	900	154	115	898	1218				
6090HF485	800	129	96	847	1148				
6090HFC95 / HFC94	2200	366	273	873	1184	329	245	786	1065
6090HFC95 / HFC94	2100	380	283	950	1288	344	257	861	1168
6090HFC95 / HFC94	2000	388	289	1019	1382	354	264	931	1262
6090HFC95 / HFC94	1900	391	292	1081	1466	360	269	996	1351
6090HFC95 / HFC94	1800	392	292	1144	1551	362	270	1055	1431
6090HFC95 / HFC94	1700	387	289	1197	1623	357	267	1104	1497
6090HFC95 / HFC94	1600	378	282	1241	1683	347	259	1140	1546
6090HFC95 / HFC94	1500	355	264	1241	1683	327	243	1143	1550
6090HFC95 / HFC94	1400	330	246	1237	1677				
6090HFC95 / HFC94	1300	304	227	1227	1664				
6090HFC95 / HFC94	1200	277	207	1214	1646				
6090HFC95 / HFC94	1100	242	181	1157	1569				
6090HFC95 / HFC94	1000	205	153	1076	1459				
6090HFC95 / HFC94	900	169	126	986	1337				
6090HFC95 / HFC94	800	142	106	933	1265				
6125AF001	2100	350	261	877	1189	340	253	850	1152
6125AF001	2000	370	276	972	1318	340	253	892	1210
6125AF001	1900	386	288	1068	1447	340	253	939	1274
6125AF001	1800	374	279	1092	1480	340	253	992	1344
6125AF001	1600	346	258	1136	1540	340	253	1112	1507
6125AF001	1400	316	236	1187	1610	297	222	1116	1513
6125AF001	1200	271	202	1187	1610				
6125AF001	1000	226	169	1187	1610				
6125HF001	2100	455	339	1137	1542	425	317	1063	1441
6125HF001	2000	494	368	1296	1758	425	317	1117	1514
6125HF001	1900	502	375	1388	1883	425	317	1175	1593
6125HF001	1800	495	369	1445	1958	425	317	1241	1682
6125HF001	1600	459	343	1509	2045	425	317	1395	1892
6125HF001	1400	409	305	1536	2084	371	277	1393	1889
6125HF001	1200	351	262	1536	2084				
6125HF001	1000	293	218	1536	2084				

Durability Curves (Heavy Duty and Continuous)

Engine Model	Engine Speed rpm	Heavy Duty				Continuous			
		Power		Torque		Power		Torque	
		hp	kW	lb-ft	N•m	hp	kW	lb-ft	N•m
6125HF070	2100	535	399	1338	1814	508	379	1271	1723
6125HF070	2000	546	407	1435	1945	520	387	1364	1850
6125HF070	1900	562	419	1555	2108	535	399	1475	2000
6125HF070	1800	558	416	1628	2207	531	396	1549	2100
6125HF070	1600	541	403	1775	2406	515	384	1690	2292
6125HF070	1500	507	378	1775	2406	483	360	1690	2292
6125HF070	1400	473	353	1775	2406	451	336	1690	2292
6125HF070	1200	368	274	1609	2181				
6135HF485	2100	546	407	1366	1852	519	387	1298	1759
6135HF485	2000	546	407	1434	1945	519	387	1363	1847
6135HF485	1900	545	406	1505	2041	517	386	1430	1939
6135HF485	1800	540	403	1576	2137	513	383	1498	2030
6135HF485	1700	532	397	1643	2228	505	377	1561	2116
6135HF485	1600	521	388	1710	2318	495	369	1624	2202
6135HF485	1500	488	364	1710	2318	464	346	1624	2202
6135HF485	1400	456	340	1710	2318	433	323	1624	2202
6135HF485	1300	423	316	1710	2318				
6135HF485	1200	391	291	1710	2318				
6135HF485	1100	338	252	1613	2186				
6135HF485	1000	289	215	1515	2055				
6135HF485	900	228	170	1328	1800				
6135HFC95	2100	555	414	1388	1882	493	368	1234	1673
6135HFC95	2000	572	426	1501	2035	528	394	1386	1879
6135HFC95	1900	583	435	1612	2185	543	405	1501	2035
6135HFC95	1800	582	434	1697	2301	543	405	1584	2148
6135HFC95	1700	580	433	1792	2430	540	403	1669	2263
6135HFC95	1600	573	427	1881	2550	538	401	1766	2394
6135HFC95	1500	537	401	1881	2550	504	376	1766	2394
6135HFC95	1400	501	374	1881	2550				
6135HFC95	1300	466	347	1881	2550				
6135HFC95	1200	430	320	1881	2550				
6135HFC95	1100	378	282	1807	2450				
6135HFC95	1000	317	237	1667	2260				
6135HFC95	900	250	187	1460	1980				