Power Generation

5 LITRE SERIES

7 LITRE SERIES

8 LITRE SERIES

13 LITRE SERIES

16 LITRE SERIES

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ENGINE RANGE

Industrial engines

Off-road and stationary

5 LITRE SERIES

8 LITRE SERIES

11 LITRE SERIES

13 LITRE SERIES

16 LITRE SERIES

Power Generation Engines

Stage II / Tier 2*

	50 Hz/1500 rpm									60 Hz/1800 rpm									
	CONTINUOUS POWER			PRIME POWER			STANDBY			CONTINUOUS POWER			PRIME POWER			STANDBY			GENERATOR EFF. (%)
Engine	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	
TAD530GE				75	68	85	83	76	95				76	69	86	85	77	97	91%
TAD531GE				88	81	101	97	89	112				91	84	105	100	92	115	92%
TAD532GE				113	104	130	125	115	144				114	105	131	126	116	145	92%
TAD731GE				134	123	154	148	136	170				139	128	160	153	141	176	92%
TAD732GE				159	146	183	176	162	202				173	159	199	192	177	221	92%
TAD733GE				176	164	205	194	180	226				192	179	223	213	198	248	93%
TAD734GE				219	204	255	241	224	280				223	207	259	247	230	287	93%
TAD841GE	165	152	190	220	202	253	242	223	278	167	154	192	223	205	256	245	225	282	92%
TAD842GE	194	180	225	258	240	300	284	264	330	194	181	226	259	241	301	285	265	331	93%
TAD843GE	210	195	245	280	260	326	308	286	359	206	191	239	275	255	318	302	281	351	93%
TAD1341GE-B				275	255	319	302	281	351				294	273	342	324	301	377	93%
TAD1342GE-B				303	282	352	333	310	387				345	321	401	377	351	438	93%
TAD1343GE-B				325	302	378	356	331	414				353	328	410	388	361	451	93%
TAD1344GE-B				354	329	411	389	362	452				392	364	455	431	401	501	93%
TAD1345GE-B				388	365	456	431	405	506				392	368	460	431	405	506	94%
TAD1640GE-B				392	368	460	431	405	506				430	404	505	479	450	563	94%
TAD1641GE-B				430	404	505	473	445	556				485	456	570	546	513	642	94%
TAD1642GE-B				503	473	591	554	521	651				532	500	625	585	550	687	94%
TWD1644GE				555	521	652	610	573	717				582	547	684	640	602	752	94%
TWD1645GE				595	560	700	655	616	770				619	582	727	681	640	800	94%

Stage IIIA / Tier 3*

	50 Hz/1500 rpm									60 Hz/1800 rpm									
	CONTINUOUS POWER			PRIME POWER			STANDBY			CONTINUOUS POWER			PRIME POWER			STANDBY			GENERATOR EFF. (%)
Engine	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	
TAD550GE				76	69	86	84	76	96				85	77	97	94	86	107	91%
TAD551GE				89	82	102	98	90	113				100	92	115	110	101	127	92%
TAD750GE				113	104	130	127	117	146				125	115	144	141	130	162	92%
TAD751GE				132	121	152	146	134	168				148	136	170	164	151	189	92%
TAD752GE				158	145	182	174	160	200				177	163	204	196	180	225	92%
TAD753GE				175	163	203	194	180	226				197	183	229	218	203	253	93%
TAD754GE				219	204	255	242	225	281				222	206	258	245	228	285	93%
TAD851GE	152	141	177	217	202	253	239	222	278	156	145	181	233	207	259	245	228	285	92%
TAD852GE	167	156	195	239	222	278	263	245	306	173	161	201	247	230	287	272	253	316	93%
TAD853GE	181	168	210	258	240	300	284	264	330	192	178	223	274	254	318	301	280	350	93%
TAD1350GE													245	227	284	269	250	313	93%
TAD1351GE				279	259	324	306	285	356				294	273	341	323	300	375	93%
TAD1352GE				314	292	365	345	321	401				344	320	400	376	350	437	93%
TAD1353GE													391	364	454	430	400	500	93%
TAD1354GE				328	305	381	361	336	420				344	320	400	376	350	437	93%
TAD1355GE				355	334	417	390	367	458				344	323	404	376	353	442	94%
TAD1650GE				393	370	462	433	407	508				439	413	516	483	454	568	94%
TAD1651GE				430	404	505	473	445	556				494	464	580	546	513	641	94%
TWD1652GE				505	480	600	557	529	661										95%
TWD1653GE				547	520	650	604	574	717										95%

Tier 4f*

	50 Hz/1500 rpm									60 Hz/1800 rpm									
	CONTINUOUS POWER			PRIME POWER			STANDBY			CONTINUOUS POWER			PRIME POWER			STANDBY			GENERATOR EFF. (%)
Engine	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	
TWD1672GE													532	508	635	685	559	698	95.5%
TWD1673GE													595	570	713	655	625	781	95.5%
TWD1683GE	428	402	502	570	536	670	627	589	737	447	420	525	595	560	700	655	616	770	94%

Stage V*

	50 Hz/1500 rpm									60 Hz/1800 rpm									
	CONTINUOUS POWER			PRIME POWER			STANDBY			CONTINUOUS POWER			PRIME POWER			STANDBY			GENERATOR EFF. (%)
Engine	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	
TAD880GE	99	92	115	132	123	153	145	135	169	113	105	132	151	140	175	166	154	193	93%
TAD881GE	130	120	151	173	161	201	190	177	221	149	138	173	198	184	230	218	203	253	93%
TAD882GE	162	151	189	216	201	252	238	221	277	164	152	190	218	203	254	240	223	279	93%
TAD1380GE	195	181	227	260	242	302	286	266	332	205	191	239	274	254	318	301	280	350	93%
TAD1381GE	227	211	264	303	282	352	333	310	387	237	220	275	315	293	367	347	323	403	93%
TAD1382GE	258	240	300	345	320	401	379	352	441	258	240	300	345	320	401	379	352	441	93%
TWD1683GE	428	402	502	570	536	670	627	589	737	447	420	525	595	560	700	655	616	770	94%

Stage II / Tier 2*

	400 Hz/2000 rpm						
	PRIME POWER			STANDBY			GENERATOR EFF. (%)
Engine	kWm	kWe	kVA	kWm	kWe	kVA	
TAD733GE	171	157	197	192	177	221	92%

TAD 1353 GE

- Turbocharged
- Type of intercooling
  - A = Air-to-air
  - W = Water-to-air
- Type of fuel
  - D = Diesel fuel
  - G = Gaseous Fuel
- Displacement indication (litre)
- Generation
- Version
- Type of application
  - G = Gen Set
  - V = Versatile industry application
- Exhaust emission certified

* indication of emission standard.

Net engine performance acc. to ISO3046, BS5514, DIN6271 and in general SAEJ1349 net power
kWm = kiloWatt mechanical, net with fan
kWe = kiloWatt electrical = kWm × gen. eff.
kVA = kiloVoltAmpere calculations based on a 0.8 power factor = kWe / 0.8

Industrial Engines for Off-Road applications

Stage II / Tier 2*

	MAXIMUM POWER			PEAK TORQUE						
Engine	kW	Hp	rpm	Nm	rpm	Displ. Litres	Length mm	Width mm	Height mm	Dry weight kg
TAD540VE	105	143	2200	710	1400	5.1	968	921	982	511
TAD541VE	129	175	2200	810	1400	5.1	968	921	982	511
TAD542VE	160	218	2200	910	1450	5.1	968	921	982	511
TAD840VE	160	218	2200	1060	1350	7.7	1200	909	982	667
TAD841VE	185	252	2200	1160	1350	7.7	1206	909	982	667
TAD842VE	210	286	2200	1237	1350	7.7	1206	909	982	667
TAD843VE	235	320	2200	1310	1450	7.7	1206	909	982	667
TAD1140VE	235	320	2100	1581	1260	10.8	1309	913	1207	1036
TAD1141VE	265	360	2100	1785	1260	10.8	1309	913	1207	1036
TAD1142VE	285	388	1700	1938	1260	10.8	1309	913	1207	1036
TAD1340VE	256	348	2100	1790	1260	12.8	1373	870	1207	1267
TAD1341VE	275	374	2100	1905	1260	12.8	1373	870	1207	1267
TAD1342VE	310	422	2100	2000	1260	12.8	1373	870	1207	1267
TAD1343VE	332	452	2100	2119	1260	12.8	1373	870	1207	1267
TAD1344VE	352	479	2100	2248	1260	12.8	1373	870	1207	1267
TAD1345VE	394	536	2100	2325	1260	12.8	1373	870	1207	1267
TAD1640VE-B	405	551	1900	2760	1200	16.1	1580	899	1311	1359
TAD1641VE-B	450	612	1800	2910	1200	16.1	1580	899	1311	1359
TAD1642VE-B	515	700	1800	3220	1200	16.1	1580	899	1311	1359
TAD1643VE-B	565	768	1900	3260	1260	16.1	1580	899	1311	1437

Stage IIIA / Tier 3*

TAD550VE	105	143	2200	710	1400	5.1	968	921	982	511
TAD551VE	129	175	2200	810	1400	5.1	968	921	982	511
TAD552VE	160	218	2200	910	1450	5.1	968	921	982	511
TAD850VE	160	218	2200	1060	1350	7.7	1206	909	982	667
TAD851VE	185	252	2200	1160	1350	7.7	1206	909	982	667
TAD852VE	210	286	2200	1237	1350	7.7	1206	909	982	667
TAD853VE	235	320	2200	1310	1450	7.7	1206	830	982	667
TAD1150VE	235	320	2100	1581	1260	10.8	1309	913	1227	1041
TAD1151VE	265	360	2100	1785	1260	10.8	1309	913	1227	1041
TAD1152VE	285	388	1700	1938	1260	10.8	1309	913	1227	1041
TAD1350VE	256	348	1900	1780	1260	12.8	1373	870	1207	1267
TAD1351VE	285	388	1900	1965	1200	12.8	1400	876	1200	1267
TAD1352VE	315	428	1900	2175	1200	12.8	1400	876	1200	1267
TAD1353VE	345	470	1900	2380	1200	12.8	1400	876	1200	1267
TAD1650VE-B	405	551	1900	2757	1260	16.1	1490	894	1351	1322
TAD1651VE	450	612	1900	2897	1260	16.1	1490	894	1351	1322

Tier 4f*

TAD570VE	105	143	2300	710	1200	5.1	946	870	992	556
TAD571VE	129	175	2300	810	1200	5.1	946	870	992	556
TAD572VE	160	218	2300	910	1450	5.1	946	870	992	556
TAD870VE	160	218	2200	1060	1200	7.7	1206	875	982	710
TAD871VE	185	252	2200	1160	1200	7.7	1206	875	982	710
TAD872VE	210	286	2200	1235	1350	7.7	1206	875	982	710
TAD873VE	235	320	2200	1310	1450	7.7	1206	875	982	710
TAD1170VE	235	320	2100	1581	1260	10.8	1309	913	1227	1041
TAD1171VE	265	360	2100	1785	1260	10.8	1309	913	1227	1041
TAD1172VE	285	388	1700	1938	1250	10.8	1309	913	1227	1041
TAD1371VE	285	388	1900	1965	1200	12.8	1400	876	1200	1267
TAD1372VE	315	428	1900	2175	1200	12.8	1400	876	1200	1267
TAD1373VE	345	469	1900	2380	1200	12.8	1400	876	1200	1267
TAD1374VE	375	510	1900	2595	1200	12.8	1400	876	1200	1267
TAD1375VE	405	551	1900	2650	1200	12.8	1400	876	1200	1267
TAD1670VE	405	551	1900	2750	1260	16.1	1490	894	1351	1322
TAD1671VE	450	612	1900	2900	1260	16.1	1490	894	1351	1322
TAD1672VE	515	700	1800	3200	1260	16.1	1490	894	1351	1322

Stage V*

TAD580VE	105	143	2300	700	1300	5.1	968	809	992	547
TAD581VE	129	175	2300	800	1300	5.1	968	809	992	547
TAD582VE	160	218	2300	900	1300	5.1	968	809	992	547
TAD583VE	175	238	2300	950	1300	5.1	968	809	992	547
TAD880VE	160	218	2200	1050	1400	7.7	1207	889	1006	703
TAD881VE	185	252	2200	1150	1400	7.7	1207	889	1006	703
TAD882VE	210	286	2200	1225	1400	7.7	1207	889	1006	703
TAD883VE	235	320	2200	1300	1400	7.7	1207	889	1006	703
TAD884VE	250	340	2200	1330	1400	7.7	1207	889	1006	703
TAD1180VE	235	320	2100	1580	1400	10.8	1400	921	1227	1057
TAD1181VE	265	360	2100	1785	1400	10.8	1400	921	1227	1057
TAD1182VE	285	388	1800	1930	1400	10.8	1400	921	1227	1057
TAD1183VE	315	428	1700	1930	1400	10.8	1400	921	1227	1057
TAD1381VE	285	388	1900	1925	1200	12.8	1251	923	1200	1215
TAD1382VE	315	428	1900	2175	1200	12.8	1251	923	1200	1215
TAD1383VE	345	469	1900	2380	1200	12.8	1251	923	1200	1215
TAD1384VE	375	510	1900	2540	1200	12.8	1251	923	1200	1215
TAD1385VE	405	551	1700	2650	1200	12.8	1251	923	1200	1215
TWD1683VE	585	796	1900	3650	1200	16.1	1676	1050	1362	1648