

5 LITRE SERIES



OFF-ROAD AND STATIONARY



16 LITRE SERIES

OFF-ROAD,
STATIONARY AND
POWER GENERATION

ENGINE RANGE

13 LITRE SERIES



ELECTRICAL POWER GENERATION



16 LITRE SERIES



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Industrial engines for off-road and stationary applications

Stage 2/Tier 2

Engine	Maximum power			Peak torque		Displ. litres	Length mm	Width mm	Height mm	Dry weight kg	Emission levels	
	kW	hp	rpm	Nm	rpm						EU Stage	EPA Tier
TAD620VE	155	211	2500	700	1500	5.7	1034	610	906	570	2	2
TAD720VE	174	237	2300	854	1400	7.2	1172	630	975	680	2	2
TAD721VE	195	265	2300	907	1600	7.2	1172	630	975	680	2	2
TAD722VE	220	300	2300	1050	1400	7.2	1172	630	975	680	2	2
TAD940VE	190	258	2100	1251	1000	9.4	1312	902	1130	1015	2	2
TAD941VE	220	300	2100	1401	1200	9.4	1312	902	1130	1015	2	2
TAD942VE	250	340	2100	1617	1400	9.4	1312	902	1130	1015	2	2
TAD943VE	280	380	1900	1719	1400	9.4	1312	902	1130	1015	2	2
TAD1340VE	256	348	2100	1745	1260	12.8	1427	868	1148	1237	2	2
TAD1341VE	275	374	2100	1880	1260	12.8	1427	868	1148	1237	2	2
TAD1342VE	310	422	2100	1990	1260	12.8	1427	868	1148	1237	2	2
TAD1343VE	332	452	2100	2110	1260	12.8	1427	868	1148	1237	2	2
TAD1344VE	352	479	2100	2215	1260	12.8	1427	868	1148	1237	2	2
TAD1345VE	394	536	2100	2300	1260	12.8	1427	868	1148	1237	2	2
TAD1641VE	420	571	1800	2700	1200	16.1	2071 ¹⁾	1100 ¹⁾	1750 ¹⁾	1440	2	2
TAD1642VE	494	672	1800	3150	1200	16.1	2071 ¹⁾	1100 ¹⁾	1750 ¹⁾	1440	2	2
TAD1643VE	565	768	1900	3287	1200	16.1	2071 ¹⁾	1100 ¹⁾	1750 ¹⁾	1440	NA	2

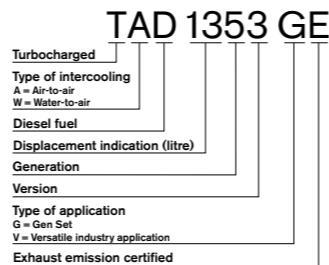
Stage 3A/Tier 3

Engine	Maximum power			Peak torque		Displ. litres	Length mm	Width mm	Height mm	Dry weight kg	Emission levels	
	kW	hp	rpm	Nm	rpm						EU Stage	EPA Tier
TAD650VE	147	200	2300	750	1600	6.0	1074	674	991	565	3A	3
TAD660VE	147	200	2300	800	1600	5.7	1074	674	991	565	3A	3
TAD750VE	170	231	2300	952	1500	7.2	1190	697	1036	650	3A	3
TAD750VE	181	246	2300	1050	1500	7.2	1190	697	1036	650	3A	3
TAD760VE	181	246	2300	1100	1500	7.2	1190	697	1036	650	3A	3
TAD750VE	200	272	2300	1050	1500	7.2	1190	697	1036	650	3A	3
TAD950VE	200	272	1900	1220	1500	9.4	1422	938	1136	1015	3A	3
TAD951VE	224	305	2100	1703	1200	9.4	1422	938	1136	1015	3A	3
TAD952VE	252	343	1900	1735	1300	9.4	1422	938	1136	1015	3A	3
TAD1250VE	259	352	1600	1760	1400	12.1	1497	854	1199	1270	3A	3
TAD1251VE	289	393	1800	1950	1200	12.1	1497	854	1199	1270	3A	3
TAD1252VE	313	426	1800	2100	1200	12.1	1497	854	1199	1270	3A	3
TAD1650VE	397	540	1800	2551	1400	16.1	2071 ¹⁾	1100 ¹⁾	1750 ¹⁾	1425	3A	3

Stage 3B/Tier 4i

Engine	Maximum power			Peak torque		Displ. litres	Length mm	Width mm	Height mm	Dry weight kg	Emission levels	
	kW	hp	rpm	Nm	rpm						EU Stage	EPA Tier
TAD560VE	129	175	2300	663	1100	4.8	894	817	909	490	3B	4i
TAD561VE	155	211	2300	823	1200	4.8	894	817	909	490	3B	4i
TAD761VE	160	218	2300	1178	1200	7.2	1157	761	1008	650	3B	4i
TAD762VE	185	252	2300	1178	1200	7.2	1157	761	1008	650	3B	4i
TAD763VE	210	286	2300	1178	1200	7.2	1157	761	1008	650	3B	4i
TAD764VE	225	306	2300	1250	1200	7.2	1157	761	1008	650	3B	4i
TAD765VE	240	326	2300	1300	1200	7.2	1157	761	1008	650	3B	4i
TAD1360VE	256	348	1900	1740	1000	12.8	1427	868	1148	1237	3B	4i
TAD1361VE	285	388	1900	1940	1000	12.8	1427	868	1148	1237	3B	4i
TAD1362VE	315	428	1900	2140	1000	12.8	1427	868	1148	1237	3B	4i
TAD1363VE	345	469	1900	2345	1000	12.8	1427	868	1148	1237	3B	4i
TAD1364VE	375	510	1900	2550	1000	12.8	1427	868	1148	1237	3B	4i
TAD1365VE	405	551	1900	2650	1100	12.8	1427	868	1148	1237	3B	4i
TAD1660VE	405	551	1900	2700	950	16.1	1582	868	1320	1464	3B	4i
TAD1661VE	450	612	1900	2855	960	16.1	1582	868	1320	1464	3B	4i
TAD1662VE	515	700	1800	3160	1000	16.1	1582	868	1320	1464	3B	4i

Engine performance according to ISO 3046, without fan
¹⁾ Length of complete Powerpac



Power generation engines

Stage 1 and 2

Engine	50 Hz / 1500 rpm						60 Hz / 1800 rpm						Generator efficiency (%)	Emission levels	
	Prime power			Standby power			Prime power			Standby power				EU Stage	EPA Tier
	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA			
TD520GE	75	69	86	83	76	94	77	70	88	85	77	97	91%	1	1
TAD530GE	75	69	86	83	76	94	77	70	88	85	77	97	91%	2	2
TAD531GE	89	81	101	98	89	111	95	86	108	104	95	118	91%	2	2
TAD532GE	113	104	130	124	114	143	115	106	133	127	117	146	92%	2	2
TD720GE	113	104	130	124	114	143	115	106	133	127	117	146	92%	1	1
TAD730GE	113	104	130	124	114	143	115	106	133	127	117	146	92%	2	2
TAD731GE	135	124	155	148	136	170	140	129	161	154	142	177	92%	2	2
TAD732GE	161	148	185	177	163	204	179	165	206	197	181	227	92%	2	2
TAD733GE	177	163	204	195	179	224	198	182	228	218	201	251	92%	2	2
TAD734GE	219	202	252	241	222	277	225	207	258	247	227	284	92%	2	2
TAD940GE	241	222	277	265	244	305	248	228	285	273	251	314	92%	2	2
TAD941GE	280	260	326	308	286	358	296	276	345	326	303	379	93%	2	2
TAD1240GE	301	280	350	331	308	385	301	280	350	331	308	385	93%	2	2
TAD1241GE	322	300	375	354	330	412	352	327	409	387	360	450	93%	2	2
TAD1242GE	352	327	409	387	360	450	391	364	454	430	400	500	93%	2	2
TAD1341GE	275	255	319	302	281	351	295	274	342	324	301	377	93%	2	2
TAD1342GE	303	282	352	333	310	387	343	319	398	377	351	438	93%	2	2
TAD1343GE	324	301	376	356	331	414	353	328	410	388	361	451	93%	2	2
TAD1344GE	354	329	411	389	362	452	392	364	455	431	401	501	93%	2	2
TAD1345GE	392	364	455	431	401	501	392	364	455	431	401	501	93%	2	2
TAD1640GE	392	368	460	431	405	506	435	409	512	479	450	563	94%	2	2
TAD1641GE	430	404	505	473	445	556	496	467	583	546	513	642	94%	2	2
TAD1642GE	504	473	592	554	521	651	532	500	625	585	550	687	94%	2	2
TWD1643GE	542	509	637	596	560	700	580	545	682	638	600	750	94%	2	2

Stage 3

Engine	50 Hz / 1500 rpm						60 Hz / 1800 rpm						Generator efficiency (%)	Emission levels	
	Prime power			Standby power			Prime power			Standby power				EU Stage	EPA Tier
	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA			
TAD550GE	75	68	85	82	75	93	80	73	91	88	80	100	91%	3A	3
TAD551GE	88	80	100	97	88	110	100	91	114	110	100	125	91%	3A	3
TAD750GE	114	105	131	125	115	144	129	119	148	142	131	163	92%	3A	3
TAD751GE	131	120	151	144	132	166	148	136	170	163	150	187	92%	3A	3
TAD752GE	158	146	182	174	160	200	178	164	205	196	180	225	92%	3A	3
TAD753GE	175	161	201	192	177	221	198	182	228	218	201	251	92%	3A	3
TAD754GE	218	201	251	240	221	276	223	205	256	245	225	282	92%	3A	3
TAD1350GE							245	227	284	269	250	313	93%		3
TAD1351GE	274	254	318	301	280	350	294	273	341	323	300	375	93%	3A	3
TAD1352GE	313	291	364	344	320	400	342	318	397	376	350	437	93%	3A	3
TAD1353GE							391	364	454	430	400	500	93%		3
TAD1354GE	327	304	380	360	335	419	342	318	397	376	350	437	93%	3A	3
TAD1355GE	352	327	409	387	360	450	342	318	397	376	350	437	93%	3A	3
TAD1650GE	393	370	462	433	407	508	435	409	512	479	450	563	94%	3A	3
TAD1651GE	430	404	505	473	445	556	496	466	583	546	513	641	94%	3A	2

Engine	400Hz / 2000 rpm						Generator efficiency (%)	Emission levels	
	Prime power			Standby power				EU Stage	