



INDUSTRIAL
POWER
SYSTEMS

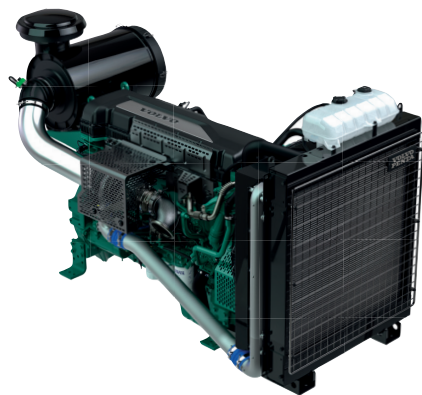
VOLVO PENTA

Power Generation

8 LITRE SERIES



13 LITRE SERIES



16 LITRE SERIES



17 LITRE SERIES



Off-road and stationary

5 LITRE SERIES



8 LITRE SERIES



11 LITRE SERIES



13 LITRE SERIES



16 LITRE SERIES



Industrial engines

ENGINE RANGE

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VOLVO PENTA

Power Generation Engines

Stage II / Tier 2*

Engine	50 Hz/1500 rpm									60 Hz/1800 rpm									GENERATOR EFF. (%)
	CONTINUOUS POWER			PRIME POWER			STANDBY			CONTINUOUS POWER			PRIME POWER			STANDBY			
	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	
TAD840GE-B	132	122	152	176	162	203	194	178	223	160	147	184	194	178	223	213	196	245	92%
TAD841GE	165	152	190	220	202	253	242	223	278	169	156	194	225	207	259	248	228	285	92%
TAD842GE	196	182	228	261	243	303	287	267	334	196	182	227	261	243	303	287	267	334	93%
TAD843GE	210	195	245	280	260	326	308	286	359	205	191	239	274	254	318	301	280	350	93%
TAD1341GE-B	203	189	236	271	252	315	298	277	346	230	214	267	287	267	334	317	295	369	93%
TAD1342GE-B	227	212	264	303	282	352	333	310	387	259	241	301	345	321	401	377	351	438	93%
TAD1343GE-B	244	227	384	325	302	378	356	331	414	265	246	308	353	328	410	388	361	451	93%
TAD1344GE-B	266	247	308	354	329	411	389	362	452	294	273	341	392	364	455	431	401	501	94%
TAD1345GE-B	291	274	342	388	365	456	431	405	506	294	276	345	392	368	460	431	405	506	94%
TAD1346GE	320	301	377	427	402	502	470	442	552	327	307	384	436	409	512	479	450	563	94%
TAD1641GE-B	323	303	379	430	404	505	473	445	556	364	342	428	485	456	570	546	513	642	94%
TAD1642GE-B	377	355	443	503	473	591	554	521	651	399	375	469	532	500	625	585	550	687	94%
TWD1644GE	416	391	489	555	521	652	610	573	717	437	410	513	582	547	684	640	602	752	94%
TWD1645GE	446	420	525	595	560	700	655	616	770	464	437	545	619	582	727	681	640	800	94%
TWD1744GE	532	500	625	645	606	758	709	666	833	563	529	661	682	641	801	750	705	881	94%

Stage IIIA / Tier 3*

Engine	CONTINUOUS POWER			PRIME POWER			STANDBY			
	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	
TAD851GE	165	152	190	220	202	253	242	223	278	92%
TAD852GE	186	173	216	248	231	289	273	254	317	93%
TAD853GE	186	175	219	248	233	291	273	257	321	94%
TAD1350GE				184	170	213	245	227	284	93%
TAD1351GE	209	194	243	279	259	324	306	285	356	93%
TAD1352GE	236	219	274	314	292	365	345	321	401	93%
TAD1353GE				293	273	341	391	364	454	93%
TAD1354GE	246	229	286	328	305	381	361	336	420	93%
TAD1355GE	266	251	313	355	334	417	390	367	458	94%
TAD1650GE	295	278	347	393	370	462	433	407	508	94%
TAD1651GE	323	303	379	430	404	505	473	445	556	94%
TWD1652GE	379	360	450	505	480	600	557	529	661	95%
TWD1653GE	410	390	488	547	520	650	604	574	717	95%

Tier 4f*

Engine	CONTINUOUS POWER			PRIME POWER			STANDBY			
	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	
TWD1682GE										94%
TWD1683GE	428	402	502	570	536	670	627	589	737	94%

Stage V*

Engine	CONTINUOUS POWER			PRIME POWER			STANDBY			
	kWm	kWe	kVA	kWm	kWe	kVA	kWm	kWe	kVA	
TAD880GE	97	90	113	129	120	150	142	132	165	93%
TAD881GE	129	120	150	172	160	200	189	176	220	93%
TAD882GE	161	150	188	215	200	250	237	220	276	93%
TAD1380GE	195	182	227	260	242	302	286	266	332	93%
TAD1381GE	227	212	264	303	282	352	333	310	387	93%
TAD1382GE	258	240	300	344	320	400	378	352	440	93%
TWD1683GE	428	402	502	570	536	670	627	589	737	94%

* 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 x gen. eff.
kVA = kiloVoltAmpere calculations based on a 0.8 power factor = kWm / 0.8

Industrial Engines for Off-Road applications

Stage II / Tier 2*

Engine	MAXIMUM POWER			PEAK TORQUE		Displ. Litres	Length mm	Width mm	Height mm	Dry weight kg
	kW	Hp	rpm	Nm	rpm					
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	1235	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-C	405	551	1900	2760	1200	16.1	1580	899	1311	1359
TAD1641VE-C	450	612	1800	2910	1200	16.1	1580	899	1311	1359
TAD1642VE-C	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
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	469	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	1800	2897	1260	16.1	1490	894	1351	1322

Stage V / Tier 4f*

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	1075	1400	7.7	1207	889	1006	703
TAD881VE	185	252	2200	1175	1400	7.7	1207	889	1006	703
TAD882VE	210	286	2200	1255	1400	7.7	1207	889	1006	703
TAD883VE	235	320	2200	1330	1400	7.7	1207	889	1006	703
TAD884VE	250	340	2200	1360	1400	7.7	1207	889	1006	703
TAD1180VE	235	320	2100	1590	1400	10.8	1400	921	1227	1057
TAD1181VE	265	361	2100	1795	1400	10.8	1400	921	1227	1057
TAD1182VE	285	388	1800	1949	1400	10.8	1400	921	1227	1057
TAD1183VE	315	428	1700	1949	1400	10.8	1400	921	1227	1057
TAD1381VE	285	388	1900	1965	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	2595	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	1658

