# volvo penta genset engine TAD740GE

1500 rpm, 242 kW (328 hp) - 1800 rpm, 251 kW (341 hp)





 mm / in
 AA

 A\* = 1372 / 54.0
 BB

 B\* = 945 / 37.2
 CC

 C \*= 1697 / 66.8
 DD

 \* Incl.radiator and intercooler

AA = 1490.5 / 58.7 BB = 945 / 37.2 CC = 1732 / 68,2 DD = 2722 / 107.2

**Gen Pac** - Gen Set Engine mounted on an expandable base frame. Complete unit with engine, radiator, radiator core guard, fan, fan and belt guard providing reduced delivery time and inatallation cost and simplified transportation.

- 1. Tropical radiator
- 2. Air to air intercooler
- 3. Twin fuel filters of throwaway type
- 4. Air filter
- 5. Flywheel housing SAE2
- 6. Gear driven coolant pump
- 7. Fuel injection pump
- 8. Electric speed governor
- 9. Turbocharger
- 10. Heat guard
- 11. Expandable base frame (optional)
- 12. Crankcase ventilation
- 13. Oil cooler
- 14. Oil drain pump (optional)
- 15. Inlet manifold heater
- 16. Starter motor
- 17. Full-flow oil filter of spin-on type
- 18. By-pass oil filter of spin-on type
- 19. Alternator
- 20. Belt guard
- 21. Fan guard





ENTTA

## TAD740GE

### **Technical Data**

Canada         TAD740GE         Canada         Canada <thcanada< th=""> <thcanada< th=""> <thcanada< <="" th=""><th>Conorol</th><th></th><th></th><th>Standard aquinment</th><th>Engino</th><th>Gon Dag</th></thcanada<></thcanada<></thcanada<>	Conorol			Standard aquinment	Engino	Gon Dag
No. of cymplers and configuration         Investment         Light residue           Bore, mm (in)	Engine designation			Engino	Engine	Gen Fac
Method of opparation         -4-stroke          Comperize	No. of cylinders and configuration		in-line 6	Automatic holt tonsioner		•
Bore, mm (in)         107 (4 21)         Flywheels         Flywheels           Stroke, mm (in)         135 (5.31)         Flywheel housing with conn. acc. to SAE 2         Flywheel housing with conn. acc. to SAE 2           Compression ratio         7.23         (Hait Stroke, mm (in))         Flywheel housing with conn. acc. to SAE 2           Dry weight, kg (lb)         1128 (2487)         Flywheel housing with conn. acc. to SAE 2         Flywheel housing with conn. acc. to SAE 2           With Gen Pac, kg (lb)         1128 (2487)         Flywheel housing with conn. acc. to SAE 2         Flywheel housing with conn. acc. to SAE 2           Performance         1128 (2487)         Flywheel housing with conn. acc. to SAE 2         Flywheel housing with conn. acc. to SAE 2           Performance         1128 (2487)         Flywheel housing with conn. acc. to SAE 2         Flywheel housing with conn. acc. to SAE 2           Prime Power         200 (239)         228 (310)         Flywheel housing with conn. acc. to SAE 2         Flywheel housing with conn. acc. to SAE 2           Prime Power         0.04 (0.011         0.05 (0.013)         Flywheel housing with conn. acc. to SAE 2         Flywheel housing with conn. acc. to SAE 2           Ol consumption at Prime Power         0.05 (0.013)         0.06 (0.011)         Flywheel housing with conn. acc. to SAE 2         Flywheel housing with conn. acc. to SAE 2           Prime Power, g/kWh (lb/hph) <td>Method of operation</td> <td></td> <td>A-etroko</td> <td>Automatic beit tensioner</td> <td>•</td> <td>•</td>	Method of operation		A-etroko	Automatic beit tensioner	•	•
Stroke, mm (in)         1136 (6 31)         Flywheel           Diplacement, (10*)         7.28 (445)         Flywheel housing with conn. acc. to SAE 2         •           Porterestion ratio         7.27 (21)         Flywheel housing with conn. acc. to SAE 2         •           Porterestion ratio         7.27 (21)         Flywheel housing with conn. acc. to SAE 2         •           Porterestion ratio         7.27 (21)         Flywheel housing with conn. acc. to SAE 2         •           With Gen Pac, kg (lb)         1128 (2487)         Flywheel housing with conn. acc. to SAE 2         •           Wet weight, kg (lb)         1196 (2637)         Flywheel housing with conn. acc. to SAE 2         •           With Gen Pac, kg (lb)         1196 (2637)         Flywheel housing with conn. acc. to SAE 2         •           Performance         With Can Pac, kg (lb)         1196 (2637)         FlymeBohousing with conn. acc. to SAE 2         •           With Can Pac, kg (lb)         1500 rpm         1800 rpm         FlymeBohousing with conn. acc. to SAE 2         •           Performance         202 (299)         228 (131)         Oli dipstick         •           Ubrication system         0.01 (0.011)         0.05 (0.013)         0.06 (0.013)         0.06 (0.013)         0.06 (0.013)         0.06 (0.013)         0.07 (110 contr)         1180	Bore mm (in )		107 (4 21)		•	•
Displacement, I (m <sup>3</sup> )	Stroke mm (in.)		135 (5.31)			
Compression ratio         17.2:1         Flywneidt Kg (b)         11.2 files, plate and hexable         •           Dy weight, Kg (b)         901 (1987)         Vibration damper         •           With Gen Pac, kg (b)         901 (1987)         Vibration damper         •           With Gen Pac, kg (b)         901 (1987)         Vibration damper         •           Wet weight, kg (b)         901 (1987)         Figure suspension         -           Performance         0il dipatick         •         -           With Gen Pac, kg (b)         1500 rpm         1800 rpm         By pass oil filter of spin-on type         •           By pass oil filter of spin-on type         •         •         -         Fuel system           Nax Standby Power         242 (329)         251 (341)         Oil cooler, adde mounted         •           Fuel system         .         .         •         Flexible fuel lines         -           Oil system Capacity incl filters, liter (US gal)         .         .         .         .         .           Oil system Capacity incl filters, liter (US gal)         .         .         .         .         .           Oil system Capacity incl filters, liter (US gal)         .         .         .         .         .     <	Displacement   (in <sup>3</sup> )		7 28 (445)	Flywheel housing with conn. acc. to SAE 2	•	•
Dy weight kg (lb)	Compression ratio		17 2.1	Flywheel for 11.5" flex. plate and flexible	•	•
With Gan Pac, kg (ib)         1128 (2487)         Vibration damper         •           Wet weight, kg (ib)         1964 (2186)         Engine suppension         -           With Gan Pac, kg (ib)         1964 (2186)         Fixed front suppension         -           Performance         Oil dipetick         -         -           With Gan Yac, kg (ib)         1500 rpm         1800 rpm         By-pass oil filter of spin-on type         -           Prime Power         220 (299)         228 (310)         By-pass oil filter of spin-on type         -           Did colors, side mounted         -         -         Fuel System         -           Oil cooler, side mounted         -         -         -         -           Prime Power         0.04 (0.011)         0.06 (0.013)         -         -         -           Prime Power         0.05 (0.013)         0.06 (0.016)         -         -         -           Oil system         -         -         -         -         -           Prime Power, g/kWh (lb/hph)         1500 rpm         1800 rpm         -         -         -         -           Spec, Luel consumption at Prime Power         200 (0.324)         200 (0.324)         200 (0.324)         200 (0.324)         200 (0.32	Dry weight kg (lb)		901 (1987)	coupling		
Wret weight, kg (fb)	With Gen Pac, kg (lb)		1128 (2487)	Vibration damper	•	•
With Gen Pac, kg (ib)         1196 (2637)           Performance         Ubrication system         -           Performance         Oil dipstick         -           With Gan, WU (hp)         1500 rpm         1800 rpm           Prime Power         220 (239)         228 (310)           Max Standby Power         242 (329)         251 (341)           Oll coolers, side mounted         -           Prime Power         0.04 (0.011)         0.05 (0.013)           Max Standby Power         0.05 (0.013)         0.06 (0.016)           Oil system capacity incl filters, liter (US gal)	Wet weight kg (lb)		964 (2126)	Engine suspension		
Lubrication system         Lubrication system         Jubication system         Jubicatication system         Jubicatication system<	With Gen Pac, kg (lb)		1196 (2637)	Fixed front suspension	-	•
Performance         Oil dipstick         •           With fan, kW (hp)         1500 rpm         1800 rpm         Full-flow oil filter of spin-on type         •           Prime Power         242 (329)         228 (310)         By-pass oil filter of spin-on type         •         •           Max Standby Power         242 (329)         251 (341)         Puel system components         •         •           Oil consumption, liter/h (US gal/h)         1500 rpm         1800 rpm         Fuel system         -         •           Oil system capacity incl filters, liter (US gal)         0.06 (0.013)         0.06 (0.014)         •         •         •           Yeise System capacity incl filters, liter (US gal)         1500 rpm         1800 rpm         Connecting filange for exhaust system         •         •           Fuel system capacity incl filters (160 optim)         1500 rpm         1800 rpm         Connecting filange for exhaust line         •         •           Fysich 60         200 (0.324)         200 (0.324)         200 (0.324)         Conloage system         •         •           70 %         199 (0.326)         203 (0.373)         Fan flow filter gard         •         •           25 %         200 (0.324)         200 (0.324)         200 (0.324)         Coning system	······ e.e · e.e,			Lubrication system		
with fan, kW (hp)         1500 rpm         1800 rpm         Full-flow oil fitter of spin-on type         •           Prime Power         220 (299)         228 (310)         By-pass oil fitter of spin-on type         •           Max Standby Power         242 (328)         251 (341)         By-pass oil fitter of spin-on type         •           Lubrication system         0.04 (0.011)         0.05 (0.013)         0.06 (0.016)         •         •           Prime Power         0.04 (0.011)         0.05 (0.013)         0.06 (0.016)         •         •           Oil system capacity incl filters, liter (US gal)	Performance			Oil dipstick	•	•
By-pass off fitter of spin-on type         •           Max Standby Power         220 (29)         228 (310)         By-pass off fitter of spin-on type         •           Max Standby Power         242 (329)         251 (341)         Oil cooler, side mounted         •           Lubrication system         Twin fuel filter of spin-on type         •         •           Oil consumption, liter/l (US gal/h)         1500 rpm         1800 rpm         Twin fuel filter of spin-on type         •           Prime Power         0.04 (0.011)         0.05 (0.013)         •         Flue system         •           Oil system capacity incl filters, liter (US gal)	with fan $kW(hn)$	1500 rpm	1800 rpm	Full-flow oil filter of spin-on type	•	•
Inite Over         220 (219)         220 (21)         Oil cooler, side mounted         Image of the second seco	Primo Powor	220 (200)	228 (210)	By-pass oil filter of spin-on type	•	•
Nak Standby Power         242 (329)         201 (941)         Fuel system           Lubrication system         0.04 (0.011)         0.05 (0.013)         Twin fuel filters of disposable type         •           Prime Power         0.04 (0.011)         0.05 (0.013)         Twin fuel filters of disposable type         •           Max Standby Power         0.05 (0.013)         0.06 (0.013)         The linjection pump, Bosch, with electronic         •           Max Standby Power         0.05 (0.013)         0.06 (0.013)         Thread with electronic         •           Fuel system         Spec. fuel consumption at         -         *         *           Prime Power, g/kWh (lb/hph)         1500 rpm         1800 rpm         1800 rpm         Concleting filange for exhaust pipe and turbo         •           25 %         227 (0.368)         230 (0.373)         Turbo charger         •         •           75 %         198 (0.321)         199 (0.323)         Crankcase ventilation         •         •           75 %         219 (0.355)         230 (0.373)         Radiator puurb         •         •           76 %         200 (0.324)         203 (0.329)         Gear driven coolant pump         •         •           76 %         198 (0.321)         199 (0.323)         Fan tu	Max Standby Power	220 (299)	220 (310)	Oil cooler, side mounted	•	•
Lubrication system         Twin fuel filters of disposable type         •           Oil consumption, liter/h (US gal/h)         1500 rpm         1800 rpm           Prime Power         0.04 (0.011)         0.05 (0.013)         0.06 (0.016)           Max Standby Power         0.05 (0.013)         0.06 (0.016)         actuator           Max Standby Power         0.05 (0.013)         0.06 (0.016)         actuator           Fuel system capacity incl filters, liter (US gal)	Max Stanuby Fower	242 (329)	201 (341)	Fuel system		
Lubrication System         1500 rpm         1800 rpm         1800 rpm         Final Bode System         -         -           Prime Power         0.04 (0.011)         0.05 (0.013)         -         Fuel injection pump, Bosch, with electronic         -         -         -         -         -         Fuel injection pump, Bosch, with electronic         -	Lubrigation avatam			Twin fuel filters of disposable type		•
Of Consumption, intern (US gair)       1500 rpm       1600 rpm       1600 rpm       Fault internet internets       -         Prime Power       0.05 (0.013)       0.06 (0.016)       0.05 (0.013)       0.06 (0.016)       actuator       -         Oil system capacity incl filters, liter (US gal)	Cil consumption liter/h (US col/h)	1500 mm	1000	Flovible fuel lines	_	
Prime Power         0.04 (0.011)         0.05 (0.013)         Prime Power         0.05 (0.016)           Nax Standby Power         0.05 (0.013)         0.06 (0.016)         actuator           Fuel system         actuator         Intake and exhaust system         actuator           Fuel system         Spec. fuel consumption at         -         Air restriction indicator         -           Prime Power, g/kWh (lb/hph)         1500 rpm         1800 rpm         Connecting flange for exhaust line         -           25 %         200 (0.324)         205 (0.330)         Heat guard for exhaust pipe and turbo         -           75 %         198 (0.321)         199 (0.323)         Crankcase ventilation         -           26 %         200 (0.324)         203 (0.379)         Radiator including intercooler         +1)           25 %         219 (0.355)         230 (0.379)         Radiator including intercooler         +1)           25 %         200 (0.324)         203 (0.329)         Gear driven coolant pump         -           26 %         200 (0.324)         203 (0.329)         Gear driven coolant pump         -           75 %         198 (0.321)         199 (0.323)         Fan hub         -           100 %         201 (0.326)         202 (0.328)         Gear	Oil consumption, liter/n (US gai/n,			Fuel injection nume Beach with electronic	-	-
Max Standby Power0.06 (0.013)0.06 (0.016)actuatorOil system capacity incl filters, liter (US gal)	Prime Power	0.04 (0.011)	0.05 (0.013)	Fuel injection pump, Bosch, with electronic	•	•
Oil system capacity incl filters, liter (US gal)	Max Standby Power	0.05 (0.013)	0.06 (0.016)			
Arr inter with replaceable paper insert•Spec, fuel consumption atAir restriction indicator•Spec, fuel consumption atAir restriction indicator•Prime Power, g/kWh (lb/hph) <b>1500 rpm1800 rpm</b> Connecting flange for exhaust line•25 %227 (0.368)230 (0.373)Turbo charger•50 %200 (0.324)205 (0.330)Heat guard for exhaust pipe and turbo•50 %200 (0.324)200 (0.324)Crankcase ventilation•100 %200 (0.324)203 (0.373)Radiator guard-50 %200 (0.324)203 (0.329)Gear driven coolant pump•50 %200 (0.324)203 (0.329)Gear driven coolant pump•50 %200 (0.321)199 (0.323)Fan hub•100 %201 (0.326)202 (0.328)Fan hub•100 %201 (0.326)202 (0.328)Fan hub•100 %201 (0.326)202 (0.328)Fan hub•Nar consumption at 27°C, m³/min (cfm) <b>1500 rpm1800 rpm</b> Alternator 60A / 24V low, right side•Max Standby Power15.6 (551)18.6 (657)Starting system••Max Standby Power180 (19027)184 (10464)Isstarter motor, Bosch 5.4kW / 24V••Heat rejection to exhaust,two first exhaust line, kPa (In wc)	Oil system capacity incl filters, lite	r (US gal)		Intake and exhaust system		
Fuel system         Air restriction indicator         •         •           Spec, fuel consumption at         Air cooled exhaust mainfold         •         •           Prime Power, g/kWh (lb/hph)         1500 rpm         1800 rpm         Connecting flange for exhaust line         •           25 %         227 (0.368)         230 (0.373)         Turbo charger         •         •           25 %         200 (0.324)         205 (0.330)         Heat guard for exhaust pipe and turbo         •         •           100 %         200 (0.324)         200 (0.324)         Cooling system         •         •           75 %         198 (0.321)         199 (0.323)         Crankcase ventilation         •         •           25 %         200 (0.324)         203 (0.329)         Gear driven coolant pump         •         •           75 %         198 (0.321)         199 (0.323)         Fan hub         •         •           100 %         201 (0.326)         202 (0.328)         Fan hub         •         •           100 %         201 (0.326)         202 (0.328)         Thruse fan         -         •           Prime Power         14.7 (519)         17.6 (622)         Alternator         •         •           Alis dlawable ai				Air filter with replaceable paper insert	•	•
Spec. tuel consumption at Prime Power, g/kWh (lb/hph)         1500 rpm         1800 rpm         Connecting flange for exhaust manifold         •           25 %         227 (0.368)         230 (0.373)         Turbo charger         •         •           50 %         200 (0.324)         205 (0.330)         Heat guard for exhaust pipe and turbo         •         •           50 %         200 (0.324)         200 (0.324)         Crankcase ventilation         •         •           100 %         200 (0.324)         200 (0.324)         Coling system         •         •           Max Standby Power, g/kWh (lb/hph)         Tropical radiator including intercooler         •1)         •         •           50 %         200 (0.324)         203 (0.329)         Gear driven coolant pump         •         •           50 %         201 (0.326)         202 (0.328)         Tan hub         •         •           100 %         201 (0.326)         202 (0.328)         Thrust fan         -         •           Air consumption at 27°C, m³/min (cfm)         1500 rpm         1800 rpm         Alternator         •         •           Max Standby Power         15.6 (551)         18.6 (657)         18.6 (657)         Starting system         •         •           Max Sta	Fuel system			Air restriction indicator	•	•
Prime Power, g/kWh (lb/hph)       1500 rpm       1800 rpm       Connecting flange for exhaust line       •       •         25 %       227 (0.368)       230 (0.373)       Turbo charger       •       •         50 %       200 (0.324)       205 (0.330)       Heat guard for exhaust pipe and turbo       •       •         75 %       198 (0.321)       199 (0.323)       Crankcase ventilation       •       •         100 %       200 (0.324)       200 (0.324)       Cooling system       -       •         Max Standby Power, g/kWh (lb/hph)       Tropical radiator including intercooler       •1)       •       •         25 %       219 (0.324)       203 (0.373)       Radiator guard       -       •         75 %       198 (0.321)       199 (0.323)       Fan hub       •       •         100 %       201 (0.326)       202 (0.328)       Fan hub       •       •         Intake and exhaust system       Air consumption at 27°C, m³/min (cfm)       1800 rpm       Alternator       -       •         Air consumption at 27°C, m³/min (cfm)       1500 rpm       1800 rpm       Starting system       •       •         Max allowable air intake restriction, hera (ln wc)       .       .       Startring system       • <t< td=""><td>Spec. fuel consumption at</td><td></td><td></td><td>Air cooled exhaust manifold</td><td>•</td><td>•</td></t<>	Spec. fuel consumption at			Air cooled exhaust manifold	•	•
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Prime Power, g/kWh (lb/hph)	1500 rpm	1800 rpm	Connecting flange for exhaust line	•	•
50 %       200 (0.324)       205 (0.330)       Heat guard for exhaust pipe and turbo       •       •         75 %       198 (0.321)       199 (0.323)       Crankcase ventilation       •       •         75 %       200 (0.324)       200 (0.324)       200 (0.324)       Cooling system       •       •         Max Standby Power, g/kWh (lb/hph)       Tropical radiator including intercooler       •)       •       •         25 %       219 (0.355)       230 (0.373)       Radiator guard       -       •         75 %       198 (0.321)       199 (0.323)       Fan hub       •       •         100 %       201 (0.326)       202 (0.328)       Thrust fan       -       •         for consumption at 27°C, m³/min (cfm)       1500 rpm       1800 rpm       Alternator       -       •         Air consumption at 27°C, m³/min (cfm)       1500 rpm       1800 rpm       Alternator       •       •       •         Max Standby Power       163 (0929)       164 (927)       Instruments and senders       •       •       •         Prime Power       160 (10237)       184 (10464)       Temp- and oil pressure for automatic       -       •         Prime Power       525 (977)       470 (878)       Engine Packing <td>25 %</td> <td>227 (0.368)</td> <td>230 (0.373)</td> <td>Turbo charger</td> <td>•</td> <td>•</td>	25 %	227 (0.368)	230 (0.373)	Turbo charger	•	•
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	50 %	200 (0.324)	205 (0.330)	Heat guard for exhaust pipe and turbo	•	•
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	75 %	198 (0.321)	199 (0.323)	Crankcase ventilation	•	•
Max Standby Power, g/kWh (lb/hph)Tropical radiator including intercooler1) $25\%$ $219 (0.355)$ $230 (0.373)$ Radiator guard- $25\%$ $200 (0.324)$ $203 (0.329)$ Gear driven coolant pump• $50\%$ $198 (0.321)$ $199 (0.323)$ Fan hub• $100\%$ $201 (0.326)$ $202 (0.328)$ Thrust fan-Intake and exhaust systemFan guard-Air consumption at $27^{\circ}$ C, m³/min (cfm)1500 rpm1800 rpmAlternator-Prime Power15.6 (551)18.6 (657)Starting system-Max Standby Power15.6 (551)18.6 (657)Starting system-Max Standby Power160 (9099)164 (9327)Starter motor, Bosch 5.4kW / 24V-Prime Power160 (10237)184 (10464)Temp- and oil pressure for automatic-*C (°F)1500 rpm1800 rpmTool scheared-Prime Power525 (977)470 (878)Temp- and oil pressure for automatic-*C (°F)1500 rpm1800 rpmExpandable base frame-Prime Power525 (977)470 (878)Expandable base frame-Max Standby Power540 (1004)485 (905)Plastic wrapping-Max Standby Power39.2 (1384)43.0 (1519)-Prime power39.2 (1384)43.0 (1519)-Prime power39.2 (1384)43.0 (1519)-Prime power39.2 (1384)43.0 (1519)-Prime	100 %	200 (0.324)	200 (0.324)	Cooling system		
25 %       219 (0.355)       230 (0.373)       Radiator guard       -         50 %       200 (0.324)       203 (0.329)       Gear driven coolant pump       •         75 %       198 (0.321)       199 (0.323)       Fan hub       •         75 %       198 (0.321)       199 (0.323)       Fan hub       •         100 %       201 (0.326)       202 (0.328)       Thrust fan       -         Air consumption at 27°C, m³/min (cfm)       1500 rpm       1800 rpm       Belt guard       -         Air consumption at 27°C, m³/min (cfm)       1500 rpm       1860 rpm       Alternator       -         Max Standby Power       15.6 (551)       18.6 (657)       Starting system       Starter motor, Bosch 5.4kW / 24V       •         Heat rejection to exhaust,       -       -       -       -         KW (BTU/min)       1500 rpm       1800 rpm       Cable iron       •         Prime Power       160 (9099)       164 (9327)       Instruments and senders       -         Max Standby Power       180 (10237)       184 (10464)       Temp and oil pressure for automatic       -         Prime Power       540 (1004)       485 (905)       Expandable base frame       -       -         Max standby Power <t< td=""><td>Max Standby Power, g/kWh (lb/hg</td><td>oh)</td><td></td><td>Tropical radiator including intercooler</td><td>•1)</td><td>•</td></t<>	Max Standby Power, g/kWh (lb/hg	oh)		Tropical radiator including intercooler	•1)	•
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	25 %	219 (0.355)	230 (0.373)	Radiator guard	_	•
75 %198 (0.321)199 (0.323)Fan hub•100 %201 (0.326)202 (0.328)Thrust fan-Intake and exhaust systemAir consumption at 27°C, m³/min (cfm)1500 rpm1800 rpmBelt guard-Air consumption at 27°C, m³/min (cfm)1500 rpm1800 rpmAlternator 60A / 24V low, right side-Max Standby Power15.6 (551)18.6 (657)Startler motor, Bosch 5.4kW / 24V-Max allowable air intake restriction, kPa (In wc)1500 rpm1800 rpmPrime Power160 (9099)164 (9327)Prime Power180 (10237)184 (10464)Prime Power1500 rpm1800 rpmPrime Power525 (977)470 (878)Max allowable back-pressure in exhaust line, kPa (In wc)10 (40.2)Exhaust gas femperature after turbine, °C (°F)1500 rpmPrime Power540 (1004)Prime power39.2 (1384)Max Standby Power41.8 (1476)Max Standby Power41.8 (1476)Max Standby Power41.8 (1476)Atternator-Atternator-Prime power39.2 (1384)Max Standby Power41.8 (1476)Max Standby Power <td>50 %</td> <td>200 (0.324)</td> <td>203 (0.329)</td> <td>Gear driven coolant pump</td> <td>•</td> <td>•</td>	50 %	200 (0.324)	203 (0.329)	Gear driven coolant pump	•	•
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	75 %	198 (0.321)	199 (0.323)	Ean hub	•	•
Intest tailIntake and exhaust systemAir consumption at 27°C, m³/min (cfm)1500 rpm1800 rpmAir consumption at 27°C, m³/min (cfm)1500 rpm1800 rpmPrime Power14.7 (519)17.6 (622)Max Standby Power15.6 (551)18.6 (657)Max allowable air intake restriction, kPa (In wc)1500 rpmHeat rejection to exhaust,Starting systemkW (BTU/min)1500 rpm1800 rpmPrime Power160 (9099)164 (9327)Max Standby Power180 (10237)184 (10464)Exhaust gas temperature after turbine, *C (°F)1500 rpm1800 rpmPrime Power525 (977)470 (878)Max Standby Power540 (1004)485 (905)Max Standby Power540 (1004)485 (905)Max Standby Power39.2 (1384)43.0 (1519)Max Standby Power41.8 (1476)46.3 (1635)	100 %	201 (0.326)	202 (0.328)	Thrust fan	_	
Intake and exhaust systemAir consumption at 27°C, m³/min (cfm)1500 rpm1800 rpmBelt guard–Air consumption at 27°C, m³/min (cfm)1500 rpm1800 rpmAlternatorPrime Power14.7 (519)17.6 (622)AlternatorMax Standby Power15.6 (551)18.6 (657)Starting systemMax allowable air intake restriction, kPa (In wc)	100 /0	201 (0.020)	202 (0.020)	Fon quard		
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Max Standby Power       15.6 (551)       18.6 (657)         Max allowable air intake restriction, kPa (ln wc)       15.6 (551)       18.6 (657)         Max allowable air intake restriction, kPa (ln wc)       1500 rpm       1800 rpm         Year Power       160 (9099)       164 (9327)         Max Standby Power       1800 (10237)       184 (10464)         Prime Power       1800 (10237)       184 (10464)         Exhaust gas temperature after turbine,       1500 rpm       1800 rpm         °C (°F)       1500 rpm       1800 rpm         Prime Power       525 (977)       470 (878)         Max Standby Power       540 (1004)       485 (905)         Max allowable back-pressure in exhaust line, kPa (ln wc)       10 (40.2)         Exhaust gas flow, m³/min (cfm)       1500 rpm       1800 rpm         Prime power       39.2 (1384)       43.0 (1519)         Max Standby Power       41.8 (1476)       46.3 (1635)         Max Standby Power       41.8 (1476)       46.3 (1635)	Primo Powor	147 (510)	176 (622)			
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Max Standby Power 41.8 (1476) 46.3 (1635) - optional equipment on applicable	Prime power	39.2 (1384)	43.0 (1519)	1) must be ordered, se order specification - optional equipment		
	Max Standby Power	41.8 (1476)	46.3 (1635)	- optional equipment or not applicable		

#### Cooling system

Heat rejection radiation from engine,		
kW (BTU/min)	1500 rpm	1800 rpm
Prime Power	13 (737)	13 (737)
Max Standby Power	15 (850)	15 (850)
Heat rejection to coolant, kW (BTU/r	min)	
Prime Power	99 (5630)	99 (5630)
Max Standby Power	106 (6028)	110 (6256)
Fan power consumption, kW (hp)	5 (7)	8 (11)

included in standard specification





A\* = 1375 mm / 54.0 in AA = 1490.5 mm / 58.7 in  $B^* = 945 \text{ mm} / 37.2 \text{ in}$ BB = 945 mm / 37.2 in C\* = 1697 mm / 66.8 in CC = 1732 mm / 68.2 in \*Incl. radiator & intercooler DD = 2722 mm / 107.2 in



**AB Volvo Penta** 

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Note! Not all models, standard equipment and accessories are available in all countries. All specifications are subject to change without notice. The engine illustrated may not be entirely identical to production standard engines

#### **Power Standards**

The engine performance corresponds to ISO 3046, BS 5514 and DIN 6271. The technical data applies to an engine without cooling fan and operating on a fuel with calorific value of 42.7 MJ /kg (18360 BTU/lb) and a density of 0.84 kg/liter (7.01 lb/US gal), also where this involves a deviation from the standards. Power output guaranteed within 0 to +2% att rated ambient conditions at delivery. Ratings are based on ISO 8528.

Engine speed governing in accordance with ISO 3046/IV, class A1 and ISO 8528-5 class G3

#### Exhaust emissions

The engine complies with EPA / CARB - Tier 1 and TA-luft exhaust emission regulations.

Rating Guidelines PRIME POWER rating corresponds to ISO Standard Power for continuous operation. It is applicable for supplying electrical power at variable load for an unlimited number of hours instead of commercially purchased power. A10 % overload capability for govering purpose is available for this rating. MAXIMUM STANDBY POWER rating corresponds to ISO

Standard Fuel Stop Power. It is applicable for supplying standby electrical power at variable load in areas with well established electrical networks in the event of normal utility power failure. No overload capability is available for this rating.

#### 1 hp = 1 kW x 1.36Information

For more technical data and information, please look in the Gener-ating Set Engines Sales Guide.

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