TAD1670-1672VE is a powerful, reliable and economical off-road Diesel Engine range built on the Volvo in-line six concept.

**Low cost of ownership**
World class fuel efficiency combined with a reliable exhaust aftertreatment system gives high uptime as well as low cost of ownership. No downtime for regeneration or decreased service intervals.

**Compact & simple installation**
SCR technology selected by Volvo does not increase amount of cooling capacity needed. As optional equipment all material needed in order to install the engine can be ordered from Volvo Penta. Installation guidelines as well as drawings and CAD models are easy to access. The result is an engine and aftertreatment system that is easy to install with minor impact on existing machine layout.

**Durability & low noise**
Long experience with SCR systems in combination with base engine development reduces risk of downtime. Well-balanced to produce smooth operation with low noise.

**Power & torque**
Maximum power and torque available at low rpm. As a result noise as well as fuel consumption is very low. Useful engine speed for the TAD1670-1672VE is due to power and torque layout very flexible

**Low exhaust emission**
Efficient injection as well as robust engine design in combination with optimised SCR technology and a light EGR contributes to excellent combustion and low fuel consumption.

**Easy service & maintenance**
Easily accessible service and maintenance points contribute to the ease of service of the engine. As optional equipment possible to remote mount filters and service points.
TAD1670-1672VE

Technical Data

General
- Engine designation: TAD1670-1672VE
- No. of cylinders and configuration: In-line 6
- Displacement, l (in³): 16.12 (984)
- Method of operation: 4-stroke
- Direction of rotation (viewed towards flywheel): Anti-clockwise
- Bore, mm (in.): 144 (5.67)
- Stroke, mm (in.): 165 (6.50)
- Dry weight, engine only, kg (lb): 1322 (2915)

<table>
<thead>
<tr>
<th>Engine</th>
<th>kW</th>
<th>Hp</th>
<th>rpm</th>
<th>Max Nm</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAD1670VE</td>
<td>405</td>
<td>551</td>
<td>1900</td>
<td>2750</td>
</tr>
<tr>
<td>TAD1671VE</td>
<td>450</td>
<td>612</td>
<td>1900</td>
<td>2900</td>
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<tr>
<td>TAD1672VE</td>
<td>515</td>
<td>700</td>
<td>1800</td>
<td>3200</td>
</tr>
</tbody>
</table>

Main components - principal layout

1. Engine
2. Pump unit
3. Solenoid valve, heating/cooling
4. AdBlue/DEF Level Temperature Sensor for EU Market
5. AdBlue / DEF solution tank
6. NOx sensor
7. Temperature sensor exhaust
8. Dosage Valve
9. Muffler with catalytic converter
10. Aftertreatment control module
11. NOx sensor
12. Temperature sensor air

Dimensions
- Not for installation. Dimensions in mm.

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 caloric value of 42.7 MJ/kg (18360 BTU/lb) and a density of 0.84 kg/litre (7.01 lb/US gal, 8.42 lb/lmp gal), also where this involves a deviation from the standards.

Additional information
- For additional information, please contact your Volvo Penta representative or visit www.volvopenta.com.

Fuel consumption, g/kWh

AB Volvo Penta
SE-405 08 Göteborg, Sweden
www.volvopenta.com

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.

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