THE NEXT GENERATION OF GASOLINE ENGINES
WHAT DO BOATERS WANT IN A MARINE ENGINE?

Power
Reliability
Efficiency
Comfort
FAMILY OF NEXT GENERATION ENGINES

POWERFUL – RELIABLE – EFFICIENT – AND MORE...

V6 4.3L
V8 5.3L
V8 6.2L
THE HEART OF THE BOAT

• Faster Acceleration
• Better Mid-range Torque
• Greater Fuel Efficiency
• Weight Savings
• Lower Emissions
• Quieter, Smoother and Low Vibration
• More Compact = More Interior Room
GM GEN V

4,500 per Day
1.3 Million per Year

- Exclusive high tech available for the marine market
- World class engineering
- Automotive level quality control
- Economy of scale
MARINE QUALITY ALUMINUM BLOCK

Greater Power Density

V8-300/350

- V8-350 is 119 pounds lighter than previous engine generation
- Up to 15% improvement in power-to-weight ratio
- Results in quicker time to plane and better acceleration throughout the power range

VOLVO PENTA
DIRECT FUEL INJECTION
Better Fuel Economy & Lower Emissions

Precisely mixes air and fuel to provide faster acceleration, more stable RPMs, unbeatable low end torque and up to 10% better fuel efficiency
Variable Valve Timing optimizes torque throughout the acceleration range

Pushes you to the back of your seat, even at mid range
FRESH WATER COOLING

No Raw Water Exposure to Internal Engine Components

- Consistent internal engine temperature with no exposure to drastic temp changes of salt or raw water.
- Eliminates concerns about corrosion from raw water in engine cooling passages.
- Standard across the entire next generation engine lineup – it is not an expensive option.

1. Heat Exchanger
2. Circulation Pump
3. Thermostat
4. Oil Cooler
5. Engine
WIDE BAND OXYGEN SENSORS

Optimized for a Wider Range of Fuel Blends and Quality

These sensors allow engine performance to be optimized regardless of altitude, weather or variable fuel blends/quality.
SPEED CONTROL

Easily Maintain Target RPM to Improve Drivability

• Volvo Penta was the first sterndrive manufacturer to introduce speed control in 2008 and is standard on all Volvo Penta gasoline products.

• Allows engine to maintain target speeds regardless of load conditions. Ideal for waterskiing or wakeboarding.
SIMPLIFIED SERVICE POINTS

Common Parts and Location

1. Fuse and Relay Box
2. Oil Fill Cap
3. Engine Flush Fitting
4. Engine Oil Dipstick
5. Heat Exchanger
6. Serpentine Belt
7. Seawater Pump
8. Belt Tensioner
9. Fuel Filter
10. Coolant Expansion Tank
11. Coolant Fill Cap
12. Engine Oil Filter
13. Power Steering Dipstick

All service points on the front of the engine.
# Proven Technology - Premium Features

Expanding on the Revolutionary V8-380

<table>
<thead>
<tr>
<th>OLD TECH</th>
<th>NEW TECH</th>
<th>BENEFIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Cast Iron Blocks</td>
<td>Light Weight Durable Aluminum</td>
<td>➔ Increased power to weight ratio</td>
</tr>
<tr>
<td>Multi-port Fuel Injection</td>
<td>Direct Fuel Injection</td>
<td>➔ High pressure atomization of fuel creates cleaner emissions and better fuel efficiency</td>
</tr>
<tr>
<td>Fixed Cam</td>
<td>Variable Valve Timing</td>
<td>➔ Optimized low end torque / High end horsepower / Exceptional Mid-range punch</td>
</tr>
<tr>
<td>Raw Water Cooled</td>
<td>Closed Cooling</td>
<td>➔ Long term durability of water cooled components. No raw water exposure to any internal engine parts</td>
</tr>
<tr>
<td>Narrow Band O₂ Sensors / Open Loop</td>
<td>Wide Band O₂ Sensors / Closed Loop</td>
<td>➔ Compensates for altitude and weather changes Optimized for a wider range of fuel blends</td>
</tr>
<tr>
<td>Model Specific Parts &amp; Location</td>
<td>Common Parts Front End Accessory Drive (FEAD)</td>
<td>➔ Family of Parts for entire range of engines Easier to service - common location and tools</td>
</tr>
</tbody>
</table>
CLEAN AND POWERFUL

* CO = Carbon Monoxide
HC+Nox = Hydrocarbons + Nitrous Oxide

Volvo Penta Actual

OUTBOARD STANDARD

Competitor #1 | 200hp 4-Stroke
Competitor #2 | 200hp 2-Stroke
Competitor #3 200 hp 4-stroke super charged

* CO = Carbon Monoxide
HC+Nox = Hydrocarbons + Nitrous Oxide
MORE PERFORMANCE
PERFORMANCE COMPARISON
V6-240-C vs. V6-250 ECT: Side by Side Testing in Identical 23’ Runabouts

- Faster Acceleration: +12-15%
- Fuel Efficiency at Cruise: + 8%
- Package Weight: - 77 lbs
- Faster Top Speed: + 2.3 mph
- Wider Torque Curve
- All at 10 HP less than the competition
# Engine Selection Guide

**Volvo Penta Model Year 2015 vs. Model Year 2016**

<table>
<thead>
<tr>
<th>Current Model</th>
<th>New Model</th>
<th><strong>Top Speed</strong></th>
<th>Difference</th>
<th><strong>Fuel Consumption at Base Cruise</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>V6-200</td>
<td>V6-200</td>
<td>Current: 50.2</td>
<td>New: 51.4</td>
<td>+1.2 Difference</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Current: 4.9</td>
<td>New: 3.7</td>
<td>26% Quicker</td>
</tr>
<tr>
<td>V6-225</td>
<td>V6-240</td>
<td>Current: 58.1</td>
<td>New: 59.4</td>
<td>+1.3 Difference</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Current: 6.0</td>
<td>New: 4.1</td>
<td>31% Quicker</td>
</tr>
</tbody>
</table>

*Volvo Penta*
# Engine Selection Guide

**Volvo Penta Model Year 2015 vs. Model Year 2016**

<table>
<thead>
<tr>
<th>Current Model</th>
<th>TOP SPEED</th>
<th>New Model</th>
<th>TOP SPEED</th>
<th>Fuel Consumption at Base Cruise</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>V8-270</strong></td>
<td>Current: 49.2</td>
<td>New: 49.7</td>
<td>+0.5 Difference</td>
<td>+8% MPG</td>
</tr>
<tr>
<td></td>
<td>0-30 MPH: 5.9</td>
<td>New: 5.0</td>
<td>15% Quicker</td>
<td>BETTER PERFORMANCE. IMPROVED MPG.</td>
</tr>
<tr>
<td><strong>V6-280</strong></td>
<td>Current: 50.2</td>
<td>New: 51.7</td>
<td>+1.5 Difference</td>
<td>+8% MPG</td>
</tr>
<tr>
<td></td>
<td>0-30 MPH: 4.8</td>
<td>New: 3.8</td>
<td>21% Quicker</td>
<td>BETTER PERFORMANCE. IMPROVED MPG.</td>
</tr>
</tbody>
</table>
## ENGINE SELECTION GUIDE

Volvo Penta Model Year 2015 vs. Model Year 2016

<table>
<thead>
<tr>
<th>Model</th>
<th>Current Speed</th>
<th>New Speed</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>V8-320</td>
<td>51</td>
<td>51.7</td>
<td>+0.7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Current 0-30 MPH</th>
<th>New 0-30 MPH</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>V8-320</td>
<td>4.95</td>
<td>3.9</td>
<td>22% Quicker</td>
</tr>
</tbody>
</table>

Fuel Consumption at Base Cruise:

- +8% MPG

Equal Performance. Improved MPG.

---

<table>
<thead>
<tr>
<th>Model</th>
<th>Current Speed</th>
<th>New Speed</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>V8-350</td>
<td>55.8</td>
<td>56.1</td>
<td>+0.3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Current 0-30 MPH</th>
<th>New 0-30 MPH</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>V8-350</td>
<td>4.5</td>
<td>4.2</td>
<td>7% Quicker</td>
</tr>
</tbody>
</table>

Fuel Consumption at Base Cruise:

- +8% MPG

Equal Performance. Improved MPG.
WHY
VOLVO PENTA?
Five Reasons to Choose Volvo Penta

Premium Performance
- Faster Hole Shot, Better Acceleration, High Top End Speed and Superior Fuel Efficiency

Full Support All the Way
- 5 Year Factory Protection Plan for North America

Unsurpassed Quality
- NMMA CSI Award for 13 Years in a Row

Technology
- DI, VVT, Freshwater Cooling Standard

Innovation is in Our DNA
- Sterndrive, DuoProp, IPS, Forward Drive, Glass Cockpit
# Five Year Factory Protection Plan

**For North America**

<table>
<thead>
<tr>
<th><strong>Coverage</strong></th>
<th><strong>Competitor</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Volvo Penta limited warranty coverage for 5 full years, for the entire engine package. One level, same coverage in Year 5 as in Year 1.</td>
<td>Years 3-5 covers designated components only. Exclusions do apply. Two levels. Gold level does not cover electrical components. Limits on coverage.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Administration</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Same warranty administrators. Same phone numbers. One company.</td>
<td>Third party administration. Different people. Different phone numbers. No good will.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Fees</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No deductible. No transfer fee. No hidden costs.</td>
<td>$25 deductible per repair. $50 transfer fee.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Activation</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Register the engine in Volvo Penta Partner Network and the engine package is automatically covered for 5 years.</td>
<td>Additional form must be filled out and submitted and $100 fee must be paid to activate coverage.</td>
</tr>
</tbody>
</table>
FORWARD DRIVE
MORE PUNCH LONGER RANGE PROVEN TECHNOLOGY
WHERE DO I FIND MORE INFORMATION?

Website for The New Generation of Engines
www.volvopentanextgeneration.com

Website for The Forward Drive
www.volvopentaforwarddrive.com

Your Local Dealer