



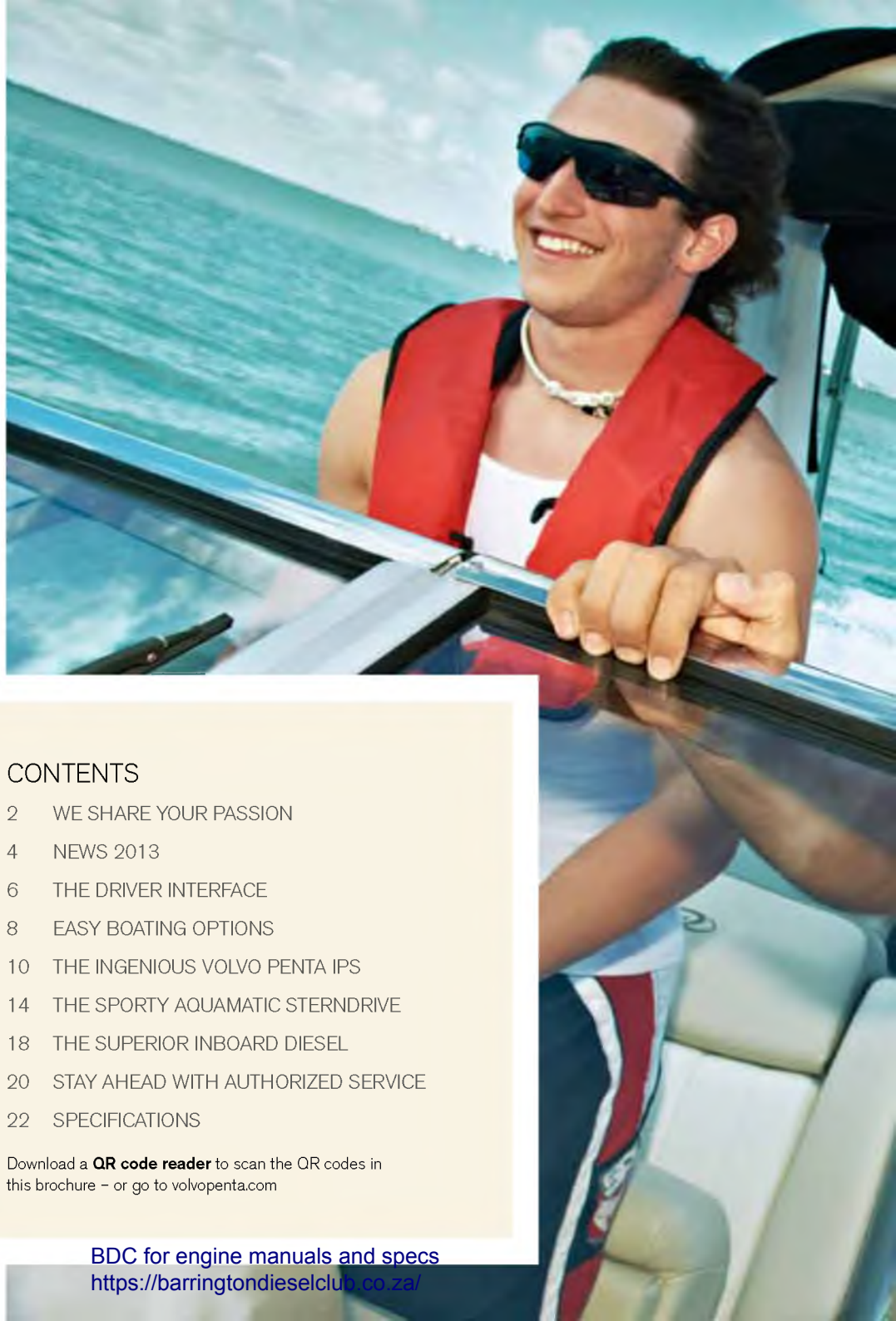
POWERBOAT 2013

ENGINES, OPTIONS AND NEWS



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**VOLVO
PENTA**



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Download a **QR code reader** to scan the QR codes in this brochure – or go to volvopenta.com

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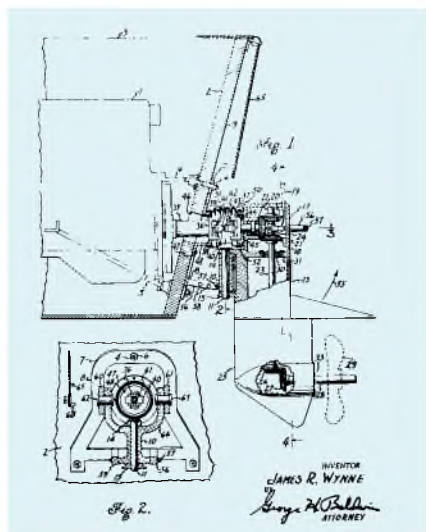
WE SHARE YOUR PASSION

At Volvo Penta, we are all boaters at heart.

No wonder we work hard to make boating more enjoyable, more relaxing and as easy as possible. For more than a century we have been at the forefront, developing ground-breaking inventions like high-performance diesel engines, compressor technology, the Aquamatic sterndrive, the Duoprop, the IPS and the Joystick – all well-known to you.

But easier boating is more than optimized drive systems and smart accessories. It's also about peace of mind. That's why we prioritize quality, safety and environmental care in all our products. And that's why we support you with Volvo Penta's global service and dealer network. One single contact for service and support. It doesn't get any easier.

Our passion for boating can only be surpassed by yours.

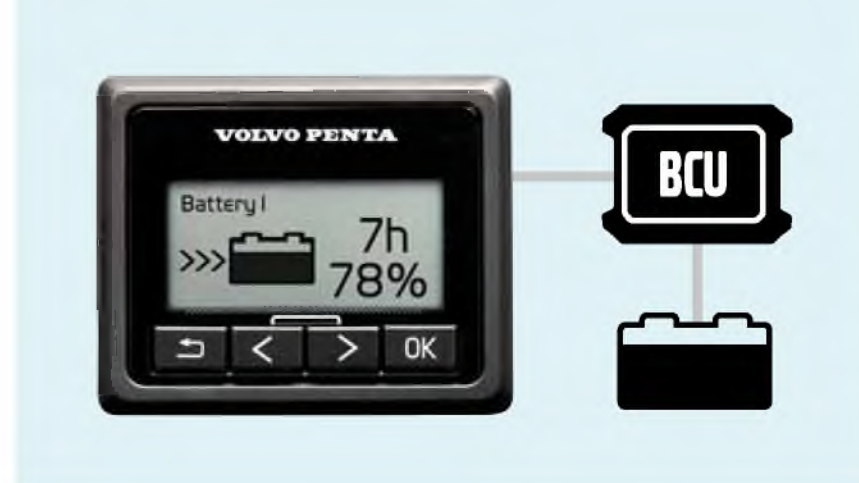


The Aquamatic sterndrive drawing accepted by the US Patents Office in 1959.

NEWS 2013

For us, world-class product development is a fundamental, never-ending process. Being part of the Volvo Group gives us a wider scope when it comes to innovative thinking. Our new Joystick Driving solution, for example, enables joystick steering at all speeds.

Just like previous years, our novelties focus on you and on improving your everyday boating experience. Use our QR codes to see more of this year's newcomers!



BATTERY MANAGEMENT

Makes your electrical system more reliable and easier to monitor. You will have full control of the battery status – also at the helm. Displays can show: state of charge, battery condition, time to empty, time to full, voltage and current.



VOLVO PENTA IPS FOR SEMI-PLANING BOATS

The Volvo Penta IPS benefits are now available for semi-planing boats. World-class on-board comfort, excellent maneuvering at all speeds, a unique range of Easy Boating features such as the Joystick.



ALL-NEW V8 GENERATION

This powerful V8-380 engine with world-class hp/kg ratio is extremely fast to plane. It combines new fuel-efficient technology with superior low-, mid- and high-end torque. Catalyst for low CO₂ emission and noise levels.



NEW, CLEANER D4/D6

Now, Volvo Penta's world-leading D4/D6-series is compliant with US EPA Tier 3, the world's strictest environmental demands for diesel engines for marine use. The result is an engine range that combines minimal environmental impact with superior performance.



E-KEY – THE NEW STANDARD

The new, smart and safe e-Key comes with the latest generation EVC diesel engines. Sweep it in front of the e-Key panel to unlock the system – and press the button to start the engines. Only one key per boat is needed.



JOYSTICK DRIVING AND AUTOPILOT

With this new, ergonomic solution you steer your boat at all speeds with the joystick. You can also fine-tune the course on the integrated Autopilot. For IPS and Aquamatic.



See the film about
Joystick driving and Autopilot.
www.volvopenta.com/joystickdriving

STEERING WHEELS

The new selection of ergonomically designed and robust steering wheels is perfectly matched to Volvo Penta's range of controls and displays.



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THE DRIVER INTERFACE

The functional design and ergonomics of the Volvo Penta driver interface is what first meets the eye. When driving, you will discover its built-in cleverness. With the EVC system, all controls and displays are linked together. So when you switch helm stations, your settings will follow you automatically.

All displays are designed for coordination with each other. They're logical and easy to understand. The controls are built for intuitive handling and the Easy Boating features are there for your safety and convenience.



FOCUS ON ERGONOMY

Volvo Penta controls and instruments are developed with an explicit ergonomic focus which makes them easy and comfortable to operate.

INTUITIVE AND RELIABLE

With the integrated functions for Easy Boating, you can operate and fine-tune the ride intuitively. Everything is developed and tested for the marine environment to ensure reliable operation.



4



2



3



5

6



1. SIDE-MOUNTED CONTROLS Two ergonomically designed controls for side mounting, both with electronic shift and throttle; for diesel inboard (left) and Aquamatic sterndrive (right), the latter with conveniently located buttons for functions and features.

2. TOP-MOUNTED CONTROLS This stylish Volvo Penta control for top mounting will stand out in any driver environment. The easy-to-reach buttons for functions and features together with the ergonomic design, solid feel and comfortable hand rest make boat handling easy and fun.

3. STEERING WHEELS New steering wheels for cabin and flybridge. They combine unique experience with high-quality materials for the tough marine environment.

4. E-KEY A new, convenient key system for easier handling and theft prevention – sweep the e-Key in front of the e-Key panel to switch the ignition on and off. The e-key comes with the latest generation EVC diesel engines.

5. DISPLAYS Thanks to the EVC system, Volvo Penta's multi-information displays can provide trip information, diagnostics, battery data and more. The 7" color display (top right), the 4" color display (bottom left), and the Autopilot (bottom right) are examples of our easy-to-read and easy-to-handle full-color displays. The 2.5" b/w, compact information display (top left) can be set up for various EVC functions.

6. JOYSTICK Volvo Penta's joystick docking and driving take leisure boating to a new, easier and more comfortable level. The ergonomic design of the Volvo Penta Joystick makes handling particularly simple.



EASY BOATING OPTIONS

In our Easy Boating concept we have captured what most boating people feel is the very essence of their pursuit: boating should be easy, safe and enjoyable.

One of the keys to increased comfort and safety is maximum control. On this spread, you will find a wide variety of products and functions that put you in charge the easy way – and make your boating the carefree activity it should be.

ALWAYS IN CONTROL

With Volvo Penta's growing series of Easy Boating functions and wide range of solid and ergonomic controls, you can shape your own command center, perfectly adapted to your needs.

Integrated buttons for various functions enable you to tailor your controls to optimize comfort and ride – and always be in control.





JOYSTICK DOCKING

The essence of easy boating: fingertip handling with perfect precision makes docking and close-quarter maneuvering simple, even fun.



JOYSTICK DRIVING - NEW

A smart, new solution for intuitive driving – push and rotate the joystick for precise steering at all speeds.



AUTOPILOT - NEW

EVC-integrated, locks automatically to steering-wheel course changes (shadow drive).



DYNAMIC POSITIONING SYSTEM

Lets you hold and keep your boat's position and heading within a very limited area. Perfect when you're preparing for docking or waiting for refueling.



POWERTRIM ASSISTANT

Gives you best possible drive trim – fully automatically – for perfect running attitude. Results in optimum performance and low fuel consumption.



CRUISE CONTROL

With fingertip control of your engine rpm, you can fine-tune your boat's speed for best possible fuel economy and comfort.



TOW MODE FOR WATER SPORT

Limits your boat's speed to your preset maximum rpm. Maintains the set speed and compensates for any changes in load, for maximum water sport fun.

BATTERY MANAGEMENT - NEW

Makes your electrical system more reliable, using robust solid-state technology. Enables full monitoring of the battery status – also at the helm.



SPORTFISH MODE

Makes it possible for you to rapidly turn your boat around its own axis – and follow the fish at high speed in reverse, using only the engine controls.

LOW-SPEED MODE

Reduces boat speed at idling by 50% from 5–6 knots to 2–3 knots. Integrated in the control. Perfect when you're driving in marinas and canals.



AUTOMATIC BOAT TRIM SYSTEM

Get the best possible ride and minimal fuel consumption with this fast-acting interceptor trim system that automatically gives your boat the correct trim angle.

TRIP COMPUTER

Get trip computer functionality with information about fuel consumption, distance to empty, trip time and much more.



SINGLE-LEVER MODE

Operate twin, triple or quad engines with only one lever. Gives you easy control over speed even in rough seas.



SEE EASY BOATING FILMS!

Scan to see what Easy Boating is all about. Or go to volvopenta.com to see the films.



THE BENEFITS OF VOLVO PENTA IPS

- 40% longer cruising range
- 20% higher top speed
- 30% reduced fuel consumption
- 30% less CO₂ emissions
- 50% lower perceived noise level
- Safe and predictable handling
- Joystick

Compared with inboard shafts at cruising with planing hulls, approximate figures.



NEW MOVES The outstanding efficiency of Volvo Penta IPS is thanks to the optimized propulsion system with forward-facing propellers. The steerable pods point the entire thrust in the desired direction. This gives absolute course-stability, tight turning radius and predictable handling at all speeds.

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<https://barringtondieselclub.co.za/>

THE INGENUOUS VOLVO PENTA IPS

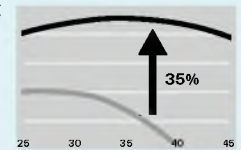
When introduced in 2005, Volvo Penta IPS was a boating revolution. The new inboard system proved to be superior to inboard shafts in all vital respects; maneuverability, onboard comfort and performance.

Today, Volvo Penta IPS is still the unchallenged pod system for 30–100 foot yachts – and a winning solution found at numerous boat manufacturers all over the world.



MINIMAL HUB FOR MAXIMAL BLADE AREA
In Volvo Penta IPS, the exhaust doesn't go through the propeller hub. The minimal hub diameter results in a larger active blade area and a significantly better grip in the water.

35% HIGHER EFFICIENCY The forward-facing solution and an efficient flat-surface planing hull give around 35% higher efficiency at fast cruising than inboard shafts.

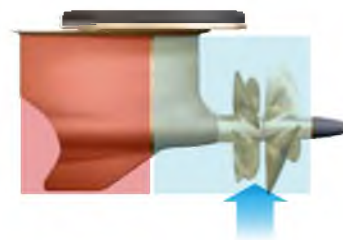


FORWARD-FACING EFFICIENCY

The twin, counter-rotating propellers face forward and work in undisturbed water. The propeller thrust is parallel with the hull. All power drives the boat forward.

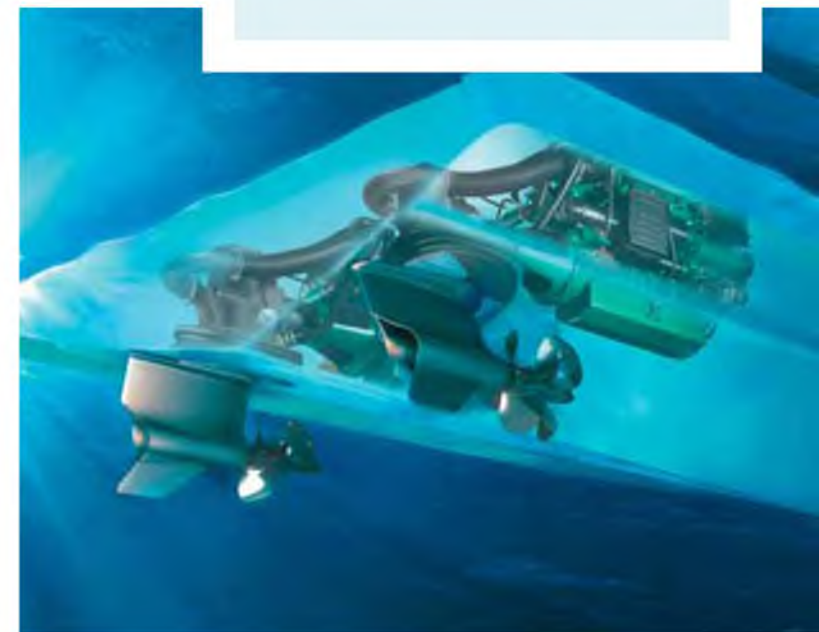
VIRTUALLY NO FUMES

All exhaust fumes are emitted through the pods, into the prop wash and carried well behind the boat for improved onboard comfort.



CAVITATION-FREE

The propellers are positioned well under the hull to eliminate air intrusion and cavitation, even in sharp turns and during full acceleration.



VOLVO PENTA IPS RANGE AND OPTIONS

The Volvo Penta IPS system can be extended with a range of unique functions for safer and easier boating. In the ever-growing IPS system, every single item is developed and manufactured by Volvo Penta – for a perfect match and optimal functionality.

IPS JOYSTICK FEATURES

JOYSTICK DOCKING Makes docking easy, even fun. Forget complicated maneuvers in close quarters. Just move the joystick in any direction and your boat will follow. You can install up to six docking stations.

JOYSTICK DRIVING A whole new way to maneuver with precision at all speeds. You steer comfortably with the joystick. The integrated auto-pilot supports by automatically engaging after every course change.

DYNAMIC POSITIONING SYSTEM Press the button and the EVC system transforms GPS data into steering angles, gear shifts and throttle positions – and your boat's position and heading are held within a very limited area.

See the complete range of options for IPS on **page 22**.



Using GPS data, the Dynamic Positioning System will keep your boat within a very limited area, for example when you're preparing for docking or waiting for refueling.



Fingertip steering with perfect precision makes docking and close-quarter maneuvering simple, even fun. Place the extra joysticks wherever you have the best view.





Learn more about
Volvo Penta IPS.

PERFORMANCE AND ENVIRONMENTAL CONCERN

Volvo Penta IPS is developed as the most environmentally sound inboard propulsion system. The IPS1050 and IPS1200 are powered by the D13 engine. With the unique twin-entry, dual-stage turbo, you will be amazed by its performance.

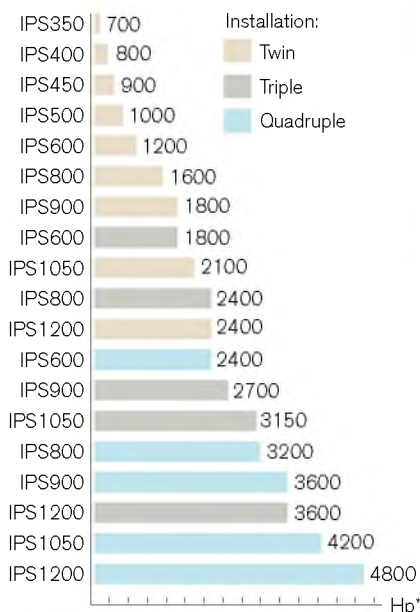
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THE POWER RANGE

Volvo Penta IPS offers a complete range for yachts, sport cruisers and sportfishing boats up to 100 feet. All installations are equally easy to drive with standard controls, joystick and all Easy Boating options available.

APPLICATION CHART



*The figures correspond to the approximate crankshaft power (hp) needed from an equivalent inboard shaft installation with a planing hull.



IPS350/400/450/500/600



IPS800/900



IPS1050/1200

Three pod sizes – perfectly matched to each engine's power and torque.

NOW ALSO FOR SEMI-PLANING BOATS

With Volvo Penta IPS installed, semi-planing boats can also take advantage of the unique benefits of the system, such as superb on-board comfort and excellent maneuvering at all speeds.

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THE BENEFITS OF THE AQUAMATIC STERNDRIVE

- Low fuel consumption
- Sporty performance
- Low CO₂ emissions
- Low noise and vibrations
- Excellent low-speed maneuverability
- Beach and shallow-water tilt
- Joystick
- Powertrim Assistant

UNCLUTTERED TRANSOM The design of the Aquamatic sterndrive leaves the transom of the boat uncluttered. People onboard will have easy access to the water, plenty of room for water sports equipment and a larger social area.

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THE SPORTY AQUAMATIC STERNDRIVE

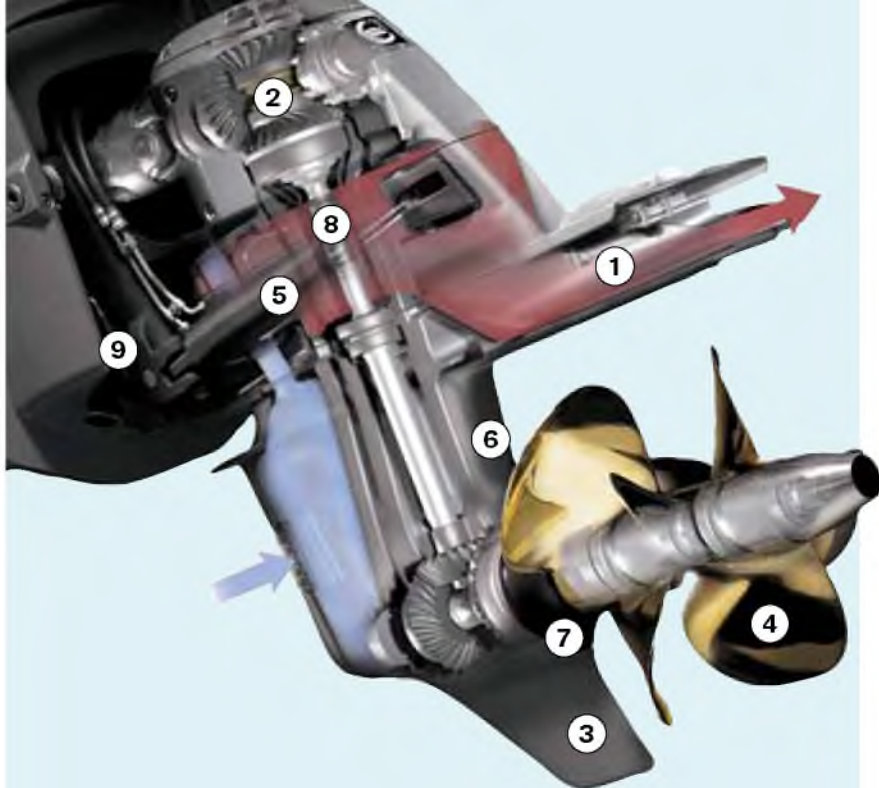
The Aquamatic sterndrive is the world's leading sterndrive. In its own unique way, the Aquamatic sterndrive offers a total solution for boaters who want an optimal combination of performance, driving experience and comfort in 20–45 foot boats.

It's a perfectly matched package – from controls to engine, drive and propellers – available with a wide range of fuel-efficient and sporty diesel and gasoline engines.



VOLVO PENTA DUOPROP PROPELLERS

- Matched to the drive for optimal performance and service life
- Safe and predictable handling
- Quicker to the plane
- Low fuel consumption
- Straight tracking – even in reverse



UNIQUE FEATURES The Volvo Penta engines, the Aquamatic sterndrive drives and the Duoprop propellers offer a unique combination of features not available with other brands:

1. Genuine through-the-drive exhaust leads fumes away and reduces noise.
2. Smooth shifting and exceptional durability with patented cone clutch.
3. Excellent corrosion resistance from saltwater-grade aluminum and multi-layer paint process.
4. Patented nickel-bronze-aluminum alloy propellers: extremely strong, corrosion and growth-resistant (DPH).
5. Patented, fully hydraulic and X-act steering with superior steering control (DPH).
6. Hydrodynamically designed lower housing reduces drag and increases performance.
7. Patented "booster ring" that optimizes water flow to the propellers (DPH).
8. The break-away shaft coupling is designed to protect the transmission by shearing if the propellers strike a submerged object at speed.
9. Hydraulic powertrim with integrated kick-up function minimizes damage if a large underwater object is struck.

AQUAMATIC STERNDRIVE RANGE AND OPTIONS

The Aquamatic sterndrive system is perfectly matched for optimal performance. Volvo Penta develops, tests and manufactures the whole package – the key to the outstanding efficiency. To improve your boating experience further, you can choose from a wide range of options for easier and more comfortable boating. Check them all out and make your own wish list!



CLEANER DIESEL RANGE

By complying with the more stringent Tier-3 emission standards, this year's new versions of D4 and D6 reduce their environmental impact even further. Ranging from 140 to 400 hp, the Volvo Penta Aquamatic diesel engine range offers leading performance combined with low emission levels. More about Volvo Penta diesel engines on **page 22**.

THE ALL-NEW V8-380

This low-weight V8 is an excellent performer. It's fast to plane and has impressive mid-range responsiveness. Its low noise and vibration levels enhance the onboard comfort. Emissions and CO₂ levels are kept low and smell is eliminated thanks to the effective catalyst. More about Volvo Penta gasoline engines on **page 23**.

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DIESEL POWER RANGE 140–400 HP					
Engine	Power (hp)				
D3	140	170	200	220	
D4	225	260	300		
D6	330	370	400		
■ with mechanical compressor					
GASOLINE POWER RANGE 200–380 HP					
Engine	Power (hp)				
V6	200	225			
V8	270	300	320		
V8	225	270	300	320	380
■ with catalytic converter					

Complete technical data on page 23.

YOUR COMMAND CENTER FOR A PERFECT RIDE

Volvo Penta's range of controls provides complete command center with comfortable and ergonomic control of all essential functions:

- Electronic shift and throttle for smooth and precise control
- Integrated buttons for most of your engine and drive functions
- Powertrim control in the lever
- Individual Powertrim buttons (twin installation)





Learn more about
Aquamatic sterndrive.

IN THE LEAD

D6-400 DPH – the world's most powerful diesel sterndrive – produces massive, compressor-charged, torque and 400 hp. Transformed into stunning acceleration and maximum driving pleasure by the perfectly matched Duoprop drive.

JOYSTICK DOCKING

Makes docking easy, even fun. Forget complicated maneuvers in close quarters. Just move the joystick in any direction and your boat will follow. You can install up to six docking stations.



BOAT TRIM SYSTEM The Boat Trim System with its patented interceptor technology gives you perfect control over pitch and heel with rapid response, quicker to the plane, lower fuel consumption and a more comfortable ride. Maintenance is practically zero thanks to composite material and no hydraulics. The optional automatic functionality operates the system and adjusts the interceptors when needed.

TOW MODE Do you like water skiing, wakeboarding or tubing? Then you know that keeping the right speed is essential for the ultimate ride. That's where Tow Mode comes in. Simply set your preferred rpm and you're ready to go!



POWERTRIM ASSISTANT Gives you the best possible drive trim – automatically. The result is a perfect running attitude for optimum performance and low fuel consumption.



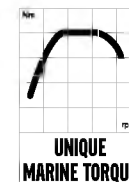
See the complete range of options for Aquamatic sterndrive on **page 22**.

THE SUPERIOR INBOARD DIESEL

With their unique marine torque and acceleration power, the Volvo Penta diesel engines are the superior choice for all inboard shaft installations. Combine their reliability, fuel efficiency and low emissions with Volvo Penta's range of smart features and you will have all that you need for an excellent cruising experience.

UNIQUE MARINE TORQUE

Volvo Penta engines excel with their unique marine torque. High torque at low rpm gives rapid acceleration to the plane and massive maneuvering power. At high rpm, full-throttle torque increases if the engine loses rpm and gives efficient cruising speed in all conditions.



ROBUST CONTROL CENTER

The comprehensive series of controls is your complete command center. Ergonomic and easy to use, designed for smooth driving and total control. Low-speed Mode, Single-lever Mode and the Cruise control can all be integrated in the standard controls.



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LOW-SPEED MODE Reduce your boat's speed at idling by approximately 50% for easier maneuvering and docking. Integrated in the standard controls.

SINGLE-LEVER MODE Drive twin engines with one lever. Easy and precise even in rough seas.

CRUISE CONTROL Fine-tune your boat's speed with the easy-to-reach button on the control.

See the complete range of options for Inboard diesel on **page 22**.



Learn more about
Inboard diesel.



Side-mounted control
for displacement boats.



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FROM 12 TO 900 HP

From the compact D1 to the massively powerful D13, Volvo Penta's inboard range consists of eight different engine sizes with various power levels – you can always find one that's perfectly matched to your boat.

POWER RANGE 12–900 HP

Engine	Power (hp)				
D1	12	19	28		
D2	40	55	75		
D3	110	150	170	200	220
D4	180	225	260	300	
D6	330	370	435		
D9	500	575			
D11	670				
D13	800	900			

Complete technical data on page 22.

STAY AHEAD WITH AUTHORIZED SERVICE

Engines in marine environments are often exposed to harsh conditions. In order to continue to deliver high performance and safe handling, our engines and drives need servicing. With scheduled maintenance from an authorized Volvo Penta dealer you can stay ahead – by protecting your investment and helping to maximize your boating time and pleasure.

DEVELOPED, MANUFACTURED AND SERVICED BY ONE COMPANY

Leave the service of your Volvo Penta products to an authorized Volvo Penta Service Dealer. Safe, secure and simple: one single contact for the whole package.

VOLVO PENTA ACTION SERVICE

Volvo Penta Action Service is a unique service for Volvo Penta owners in Europe and North America.



With this telephone service for rapid support, we offer 24-hour availability, 365 days a year.

GLOBAL DEALER NETWORK

With every Volvo Penta product comes the support of a world-wide service dealer network – present in more than 130 countries. These service dealers are specialists in the maintenance and repair of your Volvo Penta products using genuine Volvo Penta parts.



EXTENDED PROTECTION

Volvo Penta diesel and gasoline engines used in leisure applications may be eligible for extended protection coverage. Contact your authorized Volvo Penta dealer to determine eligibility for your propulsion system. Extended Protection may not be available in all countries.



ONE SINGLE CONTACT

With Volvo Penta, you need just one single contact for the whole package: engines, instruments, accessories, service, warranties, etc. This means simpler ownership – and more time for boating.



Scan the code and find out who's your nearest Volvo Penta dealer – or go to volvopenta.com/dealerlocator.



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CUSTOMIZE YOUR BOATING

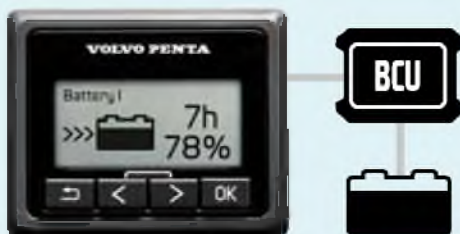
Accessories can make your boating life easier, safer and more comfortable. At Volvo Penta, we develop, manufacture and service our accessories with utmost care – to give you products that you can rely on.



See Volvo Penta's product range – or go to volvopenta.com/productguide.

BATTERY MANAGEMENT

Provides full monitoring of the battery status and – thanks to the solid-state technology – increased system reliability. Displays can show: state of charge, battery condition, time to empty, time to full, voltage and current.



MATCHED PROPELLERS

Each Volvo Penta propeller is developed and matched together with the specific Volvo Penta drive type and engine series. The unique design provides high efficiency and increased service life.



BOAT TRIM SYSTEM

Patented interceptor technology gives you perfect control over pitch and heel, and quicker to planing which increases fuel efficiency and comfort. Practically no maintenance thanks to composite material and no hydraulics. The optional Automatic Boat Trim System will give you the same perfect ride – automatically.

DIESEL INBOARD

ENGINE

ENGINE	Crankshaft kW/hp	Propeller shaft kW/hp	Rated rpm	Displacement liters	No. of cylinders	High-pressure fuel injection	Aspiration	Electronic management	Constant power	Electronic start
D1-13	9.0/12.2	8.6/11.8	3200	0.5	2	-	N	MDI	-	-
D1-20	14/19	13/18	3200	0.8	3	-	N	MDI	-	-
D1-30	21/28	20/27	3200	1.1	3	-	N	MDI	-	-
D2-40	29/40	28/38	3200	1.5	4	-	N	MDI	-	-
D2-55	41/55	39/53	3000	2.2	4	-	N	MDI	-	-
D2-75	55/75	53/72	3000	2.2	4	-	T	MDI	-	-
D3-110	81/110	78/107	3000	2.4	5	CR	T/A/4V	EVC	T/Q	●
D3-150	110/150	106/144	3000	2.4	5	CR	T/A/4V	EVC	T/Q	●
D3-170	125/170	121/165	4000	2.4	5	CR	T/A/4V	EVC	T/Q	●
D3-200	147/200	143/194	4000	2.4	5	CR	T/A/4V	EVC	T/Q	●
D3-220	162/220	157/213	4000	2.4	5	CR	T/A/4V	EVC	T/Q	●
D4-180	132/180	128/174	2800	3.7	4	CR	T/A/4V	EVC	T/Q	●
D4-225	165/225	160/218	3500	3.7	4	CR	T/A/4V	EVC	T/Q	●
D4-260	191/260	186/253	3500	3.7	4	CR	T/A/4V	EVC	T/Q	●
D4-300	221/300	212/288	3500	3.7	4	CR	T/A/4V	EVC	T/Q	●
D6-330	243/330	237/322	3500	5.5	6	CR	T/A/4V	EVC	T/Q	●
D6-370	272/370	267/363	3500	5.5	6	CR	T/A/4V	EVC	T/Q	●
D6-435	320/435	310/422	3500	5.5	6	CR	T/A/K/4V	EVC	T/Q	●
▶ D6-435 WJ	320/435	-	3500	5.5	6	CR	T/A/4V	EVC	T/Q	●
D9-500	368/500	357/486	2600	9.4	6	UI	T/A/4V	EVC	T	●
D9-575	423/575	410/558	2500	9.4	6	UI	T/A/4V	EVC	T	●
D11-670	493/670	478/650	2300	10.8	6	UI	T/A/4V	EVC	T	●
D13-800	588/800	564/768	2300	12.8	6	UI	T/A/4V	EVC	T	●
D13-900	662/900	636/864	2300	12.8	6	UI	T2/A/4V	EVC	T	●

VOLVO PENTA IPS

ENGINE

IPS350	191/260	182/248	3500	3.7	4	CR	T/A/K/4V	EVC	T/Q	●
IPS400	221/300	212/289	3500	3.7	4	CR	T/A/K/4V	EVC	T/Q	●
IPS450	243/330	230/314	3500	5.5	6	CR	T/A/4V	EVC	T/Q	●
IPS500	272/370	259/352	3500	5.5	6	CR	T/A/K/4V	EVC	T/Q	●
IPS600	320/435	307/418	3500	5.5	6	CR	T/A/K/4V	EVC	T/Q	●
IPS800	441/600	417/567	2300	10.8	6	UI	T/A/K/4V	EVC	T	●
IPS900	515/700	487/662	2350	10.8	6	UI	T/A/K/4V	EVC	T	●
IPS1050	588/800	564/768	2300	12.8	6	UI	T2/A/4V	EVC	T	●
IPS1200	662/900	636/864	2300	12.8	6	UI	T2/A/4V	EVC	T	●

¹⁾ With built-in charging sensor

▶ New ● Standard ○ Optional □ Accessory - Not available

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EASY BOATING OPTIONS

r/h/throttle
 Freshwater cooling
 Alternator 12V
 Alternator 24V
 Splitdrive

●	115A ¹⁾	–	130S
●	115A ¹⁾	–	130S
●	115A ¹⁾	–	130S
●	115A ¹⁾	–	130S
●	115A ¹⁾	–	130S
●	115A ¹⁾	–	150S
●	180A	–	–
●	180A	–	–
●	180A	–	–
●	180A	–	–
●	180A	–	–
●	115A ¹⁾	–	–
●	115A ¹⁾	–	–
●	115A ¹⁾	–	–
●	115A ¹⁾	80A ¹⁾	–
●	115A ¹⁾	80A ¹⁾	–
●	115A ¹⁾	80A ¹⁾	–
●	115A ¹⁾	80A ¹⁾	–
●	115A ¹⁾	80A ¹⁾	–
●	115A ¹⁾	80A ¹⁾	–
●	–	80A ¹⁾	–
●	–	110A ¹⁾	–
●	–	110A ¹⁾	–

●	115A ¹⁾	–
●	115A ¹⁾	–
●	115A ¹⁾	80A ¹⁾
●	115A ¹⁾	80A ¹⁾
●	115A ¹⁾	80A ¹⁾
●	–	80A ¹⁾
●	–	80A ¹⁾
●	–	110A ¹⁾
●	–	110A ¹⁾

▶	Joystick Docking	○	○ ¹⁾	–
▶	Joystick Driving	○	○ ¹⁾	–
	Autopilot	○	○ ¹⁾	–
	Dynamic Positioning System	○	–	–
	Powertrim Assistant	–	○	–
	Low-speed Mode	○	–	○ ³⁾
	Trip computer	○	○	○
	Cruise control	○	○	○
	Single-lever Mode	○	○	○
	Tow Mode for water sport	–	○ ²⁾	–
	Sportfish Mode	○	–	–
	Automatic Boat Trim System	○	○	○
▶	Battery Management	○	○	○

¹⁾ Requires factory-installed electronic steering ²⁾ Single installations ³⁾ D4-D13

HIGH-PRESSURE FUEL INJECTION UI: Unit injectors. **CR:** Common-rail fuel injection.

ELECTRONIC MANAGEMENT EVC: Electronic Vessel Control, EVC. **EGC:** Electronic Gas Control.

ASPIRATION N: Naturally aspirated. **T:** Turbocharger. **T2:** Dual-stage turbochargers. **A:** Aftercooler. **K:** Compressor. **4V:** 4 valves per cylinder.

CONSTANT POWER T: Temperature compensation. Constant power output regardless of fuel temperature (5–55°C). **Q:** Quality compensation. Constant power output regardless of fuel viscosity (heavy, regular or environmentally adapted fuel).

FUEL INJECTION MPI: Multi-port electronic fuel injection.

AQUAMATIC DRIVES SX: Single propeller. For gasoline engines and D3. Small transom cut-out. **DPS:** Duo-Prop. For gasoline engines and D3. Small transom cut-out. **DPH:** Duo-Prop. With X-act steering, specially developed for the D4 and D6 engines. Large transom cut-out. **OX:** OceanX. Fresh water cooling. Includes exhaust mainfolds, water in bellows sensor and drive oil quality sensor.

X-ACT STEERING Servo-assisted hydraulic steering with external steering cylinders controlled by an exact feedback valve.

PROPELLERS AL: Aluminum. **SS:** Stainless steel. **NBR:** Nickel-bronze-aluminum alloy.

EMISSION REGULATION COMPLIANCE

The D-series diesel engine range complies with the most stringent environmental demands in their respective power classes: the **US EPA Tier 2** for D9, D11 and D13 and the **US EPA Tier 3** for D1 to D6, two regulations significantly more stringent than the European RCD regulation. All our gasoline engines comply with the **European RCD regulation**. Models with catalytic converters also comply with the **CEC Star Super Ultra Low Emission** and **US EPA**

DIESEL AQUAMATIC

ENGINE	Crankshaft kW/hp	Propeller shaft kW/hp	Rated rpm	Displacement liters	No. of cylinders	High-pressure fuel injection	Aspiration	Electronic management	Constant power	Electronic shift/throttle	Freshwater cooling	Alternator 12V	Transmission type	X-act steering	Propellers*
D3-140	103/140	98/133	4000	2.4	5	CR	T/A/4V	EVC	T/Q	●	●	180A	SX/DPS/OX**	-	AL, SS
D3-170	125/170	119/162	4000	2.4	5	CR	T/A/4V	EVC	T/Q	●	●	180A	SX/DPS/OX**	-	AL, SS
D3-200	147/200	140/190	4000	2.4	5	CR	T/A/4V	EVC	T/Q	●	●	180A	DPS/OX**	-	AL, SS
D3-220	162/220	154/209	4000	2.4	5	CR	T/A/4V	EVC	T/Q	●	●	180A	DPS/OX**	-	AL, SS
D4-225	165/225	158/215	3500	3.7	4	CR	T/A/4V	EVC	T/Q	●	●	115A ¹⁾	DPH	●	NBR
D4-260	191/260	184/250	3500	3.7	4	CR	T/A/K/4V	EVC	T/Q	●	●	115A ¹⁾	DPH	●	NBR
D4-300	221/300	214/291	3500	3.7	4	CR	T/A/K/4V	EVC	T/Q	●	●	115A ¹⁾	DPH	●	NBR
D6-330	243/330	233/317	3500	5.5	6	CR	T/A/4V	EVC	T/Q	●	●	115A ¹⁾	DPH	●	NBR
D6-370	272/370	261/355	3500	5.5	6	CR	T/A/K/4V	EVC	T/Q	●	●	115A ¹⁾	DPH	●	NBR
D6-400	294/400	281/382	3500	5.5	6	CR	T/A/K/4V	EVC	T/Q	●	●	115A ¹⁾	DPH	●	NBR

¹⁾ With built-in charging sensor * Not included ** Water-in-Drive and Water-in-Bellows sensors are not available with diesel engines.

GASOLINE AQUAMATIC

ENGINE	Propeller shaft kW/hp	Max rpm	Displacement liters	No. of cylinders	Fuel injection	Electronic management	Electronic shift/throttle	Freshwater cooling	Alternator 12V	Transmission type	Propellers*
V6-200	149/200	4600	4.3	V6	MPI	EGC	-	□	75A	SX/DPS	AL, SS
V6-225	168/225	4800	4.3	V6	MPI	EGC/EVC**	**	□	75A	SX/DPS	AL, SS
V8-270	201/270	5000	5.0	V8	MPI	EGC/EVC**	**	□***	75A	SX/DPS/OX	AL, SS
V8-300	224/300	5000	5.7	V8	MPI	EGC/EVC**	**	□***	75A	SX/DPS/OX	AL, SS
V8-320	239/320	5000	5.7	V8	MPI	EGC/EVC**	**	□***	75A	SX/DPS/OX	AL, SS

ENGINES WITH CATALYTIC CONVERTER

▶ V8-225-C	168/225	4800	5.0	V8	MPI	EGC/EVC**	**	□	75A	SX/DPS	AL, SS
V8-270-C	201/270	5000	5.0	V8	MPI	EGC/EVC**	**	□***	75A	SX/DPS/OX	AL, SS
V8-300-C	224/300	5000	5.7	V8	MPI	EGC/EVC**	**	□***	75A	SX/DPS/OX	AL, SS
V8-320-C	239/320	5000	5.7	V8	MPI	EGC/EVC**	**	□***	75A	SX/DPS/OX	AL, SS
▶ V8-380-C	283/380	6000	6.0	V8	MPI	EGC/EVC**	**	●	75A	DPS/OX	SS

* Not included ** Standard or optional depending on market. Check with your local Volvo Penta representative *** Standard with OceanX

Power according to ISO 8665. Merchant fuel may influence engine power output and fuel consumption. For specific information on a certain engine model, ask your dealer for a Product Bulletin or go to volvopenta.com. Not all models, standard equipment and accessories are available in all markets. Every effort has been made to ensure that facts and figures are correct at the time of publication. Volvo Penta reserves the right to make changes without prior notice. Products shown may differ from production models.

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UNIQUE MARINE TORQUE

Volvo Penta engines excel with their unique marine torque. High torque at low rpm gives rapid acceleration to the plane and massive maneuvering power. At high rpm, full-throttle torque increases if the engine loses rpm and gives efficient cruising speed in all conditions.



SOLID AND ROBUST ENGINES

Volvo Penta marine diesel engines are designed and built to be immensely strong, with a rigid engine block, one-piece cylinder head and ladder frame. This gives excellent reliability and long service life.



PERFECTLY MATCHED PACKAGES

We develop and match everything from engines to transmissions, control systems, drives and propellers. For you, this results in higher reliability and better performance.



EVC – ELECTRONIC VESSEL CONTROL

EVC is Volvo Penta's common electronic platform. It enables a number of features for increased functionality, safety and control. Heavy-duty marine connectors and radically reduced wiring give high reliability and long service life. Easy to add new functionality.

MARINE TEST CENTERS

In our marine test centers, we constantly test complete products installed in boats. This gives us unique competence when it comes to optimizing all Volvo Penta products.



EASY BOATING

Behind our Easy Boating concept are years of enthusiasm, ingenuity and commitment – and the constant questions: how can we make our products better, simpler and safer, and make boating available to more people, regardless of their boating experience?

The result is a growing number of technically advanced products that are **exceptionally easy to handle**. Products that make complex maneuvers easy to perform and let you relax and enjoy your time on the water.

It's as easy as that.





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