

VOLVO PENTA IPS 2007-2008



FORWARD THINKING

VOLVO PENTA IPS. A PROVEN SUCCESS.



**VOLVO
PENTA**

VOLVO PENTA IPS IS A SYSTEM LOVED BY BOAT OWNERS AND BOAT BUILDERS. WE ASKED THEM TO TELL THEIR STORIES.

Volvo Penta IPS has been a tremendous success. In only two years, there are already more than 100 different boat models available with the system. We visited some boat builders and boat owners with hands-on experience of Volvo Penta IPS and asked a few of them to tell their stories.

This brochure also explains the facts behind the benefits. Why you get more performance with less fuel consumption, lower noise, minimal vibrations and practically no exhaust fumes. Plus why you can expect to be quickly back on the water again if you have a mishap during the season.

Welcome aboard!

THESE ARE THE BOAT BUILDERS CURRENTLY* OFFERING BOATS WITH VOLVO PENTA IPS. YOU HAVE MORE THAN 100 DIFFERENT MODELS TO CHOOSE FROM.

Abati Yachts	Carver Yachts	Innovazioni e Progetti	Rinker
Absolute	Cayman	Intermarine	Riviera
Ada Boat Yard	Chris-Craft Boats	Larson	Rodman
Africat	Coastal Craft	Lazzara	Rodriguez Group
Airon	Conam	Luhrs	Salpa
Altair	Cranchi	Mainship Trawlers	Schaefer Yachts
Arcoa	Cruisers Yachts	Marquis	Sessa
Astinor	Di Donna	Maxi Dolphin	Silverton
Astondoa	Doqueve	Moa Tècnica	Spencer
Astromar	Doral	Monterey Boats	Sunseeker
ATM	Dutch Bay	Morgan	Tiara Yachts
Azimut Yachts	Egg Harbor	Mustang Cruisers	UNICA
Baia	Enterprise Marine	Noosacat	Vismara
Bani	Fairline	Nordwest	Wajer Watersport
Bavaria	Fiart	Numarine	WallyPower
Beneteau	Fjord Boats	Orucoglu Sistem	Way Yacht
Blue Martin	Formula Boats	Poly Marine	Windy
C.M.M. Marine	Four Winns	Portofino	Yasuda Shipyard
C.N. Patrone	Galeon	Powerplay Catamarans	Zeelander Yachts
Calyber	Genesis	Primatist	Zenit
Cantieri di Sarnico	Gorbon	Prinz Yachts	
Carman Boats	Hershine Marine	Regal	

* June 2007. For an updated list: www.volvopenta.com

“Anyone who has ever tried our express yacht with Volvo Penta IPS will never go back to shafts again”

Dick Lazzara is the owner and president of Lazzara Yachts, builders of 68 to 110 foot motor yachts. The highly acclaimed LSX Quad 75-foot express yacht is powered by four Volvo Penta IPS600s.



“ Driving the LSX 75 is a special and unique experience that no other boat can give you. It’s nimble and responsive yet totally predictable. You always get the same feel and smoothness when you drive the boat.

More benefits that Volvo Penta IPS gives are the cleanliness of the underwater exhausts, the total lack of vibrations and obviously the efficiency. We are much more efficient than any other boat of equivalent length or power. This is a big thing when we look to the future and to saving fuel. It’s a huge, huge thing.

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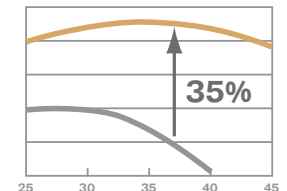
The impossible combination. Volvo Penta IPS gives you better performance and driving fun, higher onboard comfort and reduced fuel consumption than inboard shafts. How can that be? Through radical innovations and forward thinking.

Higher efficiency. Lower emissions

The single biggest secret behind Volvo Penta IPS’s superior efficiency lies in the unique pods:

- Forward-facing, twin counter-rotating propellers that work in undisturbed water.
- A propeller thrust parallel with the boat’s hull.
- Efficient flat surface hull.

The result is around 35% better efficiency at cruising than inboard shafts. Which leads to the same reduction in exhaust emissions and fuel consumption.



The perfect driving experience

With Volvo Penta IPS the boat reacts instantly to driver commands. The boat tracks absolutely straight and the turning radius is tight, with perfect grip and totally predictable handling.

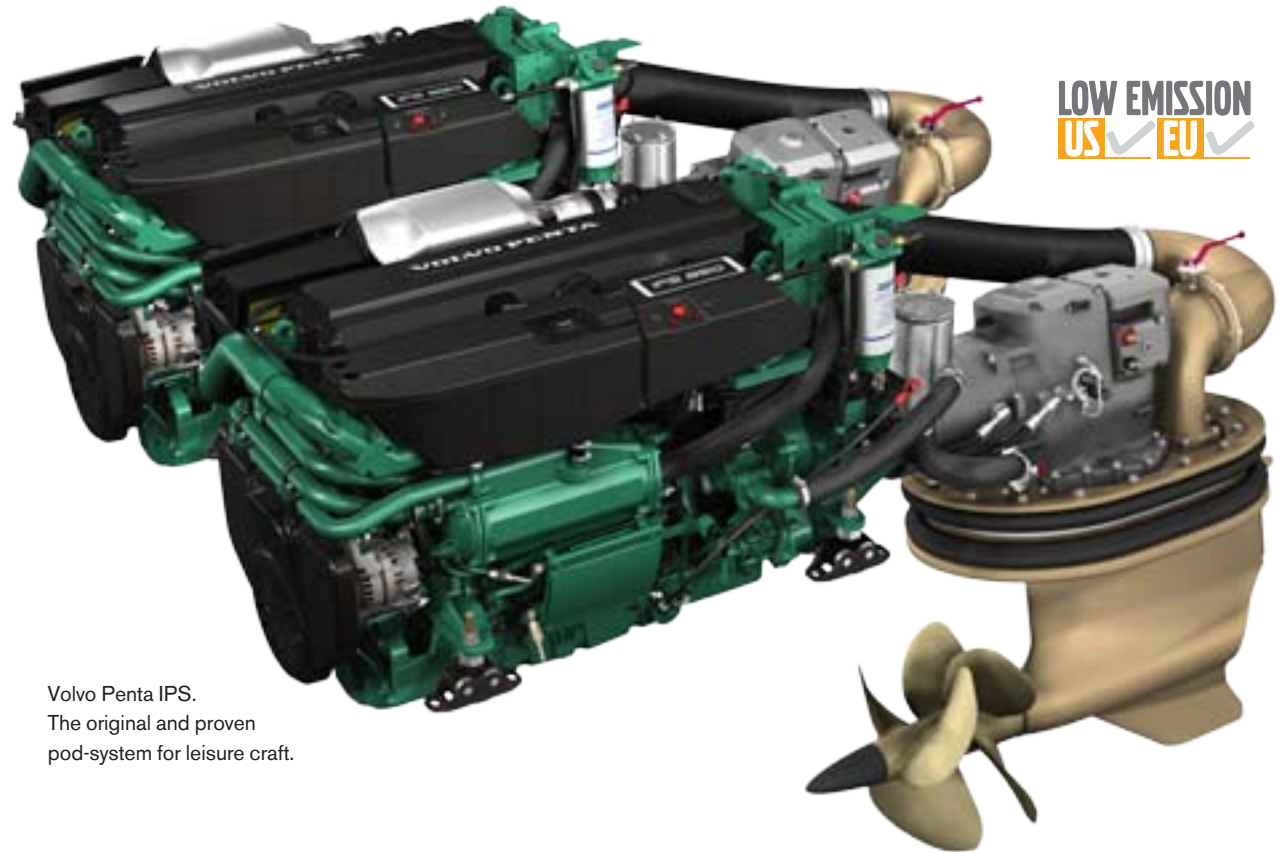
The reason is the electronic steering system in combination with the individually steerable pods that point the entire thrust in the desired direction.

Comfort at a new level

Onboard comfort is enhanced in every possible way with Volvo Penta IPS. The result is far better than with any other system available and both driver and passengers can enjoy the ride to the full.

Virtually no fumes. Minimal vibrations

Clean engines and low fuel consumption plus exhaust fumes emitted through the pods, into the propwash and carried well behind the boat, practically eliminates fumes. The pods handle the propulsion forces and soft-suspended engines practically eliminate vibrations and noise.

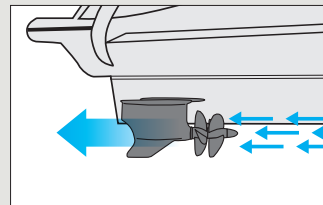


Volvo Penta IPS.
The original and proven
pod-system for leisure craft.

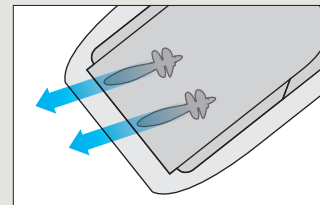
Volvo Penta IPS offers up to:

- 35% better efficiency
- 20% higher top speed
- 15% faster acceleration
- 30% reduced fuel consumption
- 50% lower perceived noise level
- Car-like handling and manoeuvring
- Joystick option for easy docking

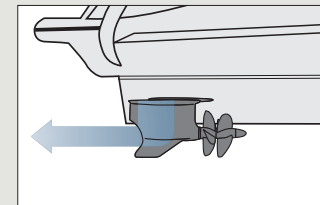
(Compared to inboard shafts.)



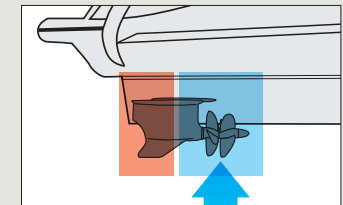
Forward-facing, twin counter-rotating propellers that work in undisturbed water. The thrust is parallel with the hull. All the power drives the boat forward.




Steerable pods point the entire thrust in the desired direction. This gives immediate response and totally predictable handling.



All exhaust fumes are emitted through the pods, into the propwash and carried well behind the boat. This practically eliminates smell.



The propellers are under the hull where the risk of cavitation due to air intrusion is dramatically reduced.



“The IPS makes me look like a professional”

Ayman Moumina enjoys his Cranchi Mediterranee 43 powered by twin Volvo Penta IPS600.

Crowded marina. Strong side wind. Tight berth. Situations that can make even the most seasoned skipper a little edgy. Volvo Penta IPS offers a solution:

The joystick option makes the impossible easy. It takes away the fear factor out of docking and you don't have to be a professional to look like one!

Joystick. It's close to magic

Simply move the joystick in the direction you want the boat to move, and the boat reacts to your intentions. Forward, reverse, sideways, spin around. All without the help of bow and stern thrusters!

Volvo Penta IPS and its individually steerable pods make this possible. Dedicated software transforms the joystick movements into steering angles, gear shifts and throttle positions. The boat moves exactly like you tell it to do.

Go slow with full control

New this year is the optional low-speed mode. A slip coupling in the gearbox reduces boat speed at idling by approximately 50%, from 5–6 knots to 2–3 knots.

Low-speed mode is perfect when driving in marinas and canals, plus it is ideal for trolling.

“

The beauty you see and the relaxation you get, it's just incredible. My boat has Volvo Penta IPS and it makes life much easier. With the joystick it is even easier to dock this 43-foot boat than to park my car.

From my boat I want reliability, speed and comfort. This one gives me all of that. Plus, it makes me look like a professional when I dock my boat.

”

Volvo Penta IPS and the joystick function are linked together by the EVC-system, a high-speed CAN-bus-based network. The special software transforms the driver's joystick commands into boat movements. The booster function gives added manoeuvring power.



The new docking station, a stand-alone joystick, means you can manoeuvre your boat from wherever you have the best view.



Docking with the joystick:

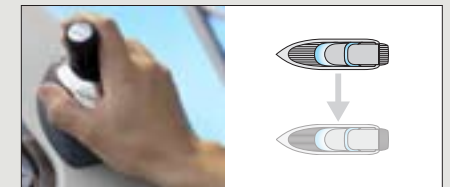
- Easy and logical one-hand manoeuvring
- Move in any direction
- Massive manoeuvring power
- No bow or stern thrusters needed
- No time limit
- Option for all Volvo Penta IPS-powered boats, also as retrofit.



You can do all your slow-speed driving with the joystick. Much easier than the conventional way!



Twist the top to rotate. Combine it with any other move to compensate for wind or current.



Push the joystick to port or starboard and your boat goes sideways. Even "impossible" berths are now accessible.

”This is nothing less than a revolution”

Boat designer and boat builder Benny Martinsson, owner and president of NordWest Yachts. His 42-foot flybridge yacht powered by Volvo Penta IPS500 has won international awards for its unique set of qualities.



“

This is a complete propulsion system from one supplier. Everything works perfectly together, it's not a lot of independent pieces from different suppliers. It makes building easier and ensures quality.

It's easy to own a boat with IPS. The service requirements are minimal and it's all standard parts that are easy to get. You get very high dependability with a boat with IPS.

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Developed, manufactured and serviced by one company. Volvo Penta IPS is a complete and integrated propulsion system – from the helm station to the propellers.

All vital functions such as engine, steering, shift and throttle and propellers are integrated in the system. This greatly increases quality and reliability.

Hassle-free ownership

With Volvo Penta IPS you have one contact for everything. A huge advantage compared to inboard shafts. The whole propulsion system consists of standard Volvo Penta “off-the-shelf” components that are easy to replace. This means easy service and that you are quicker back on the water if you have a mishap during the season.

Safety built in

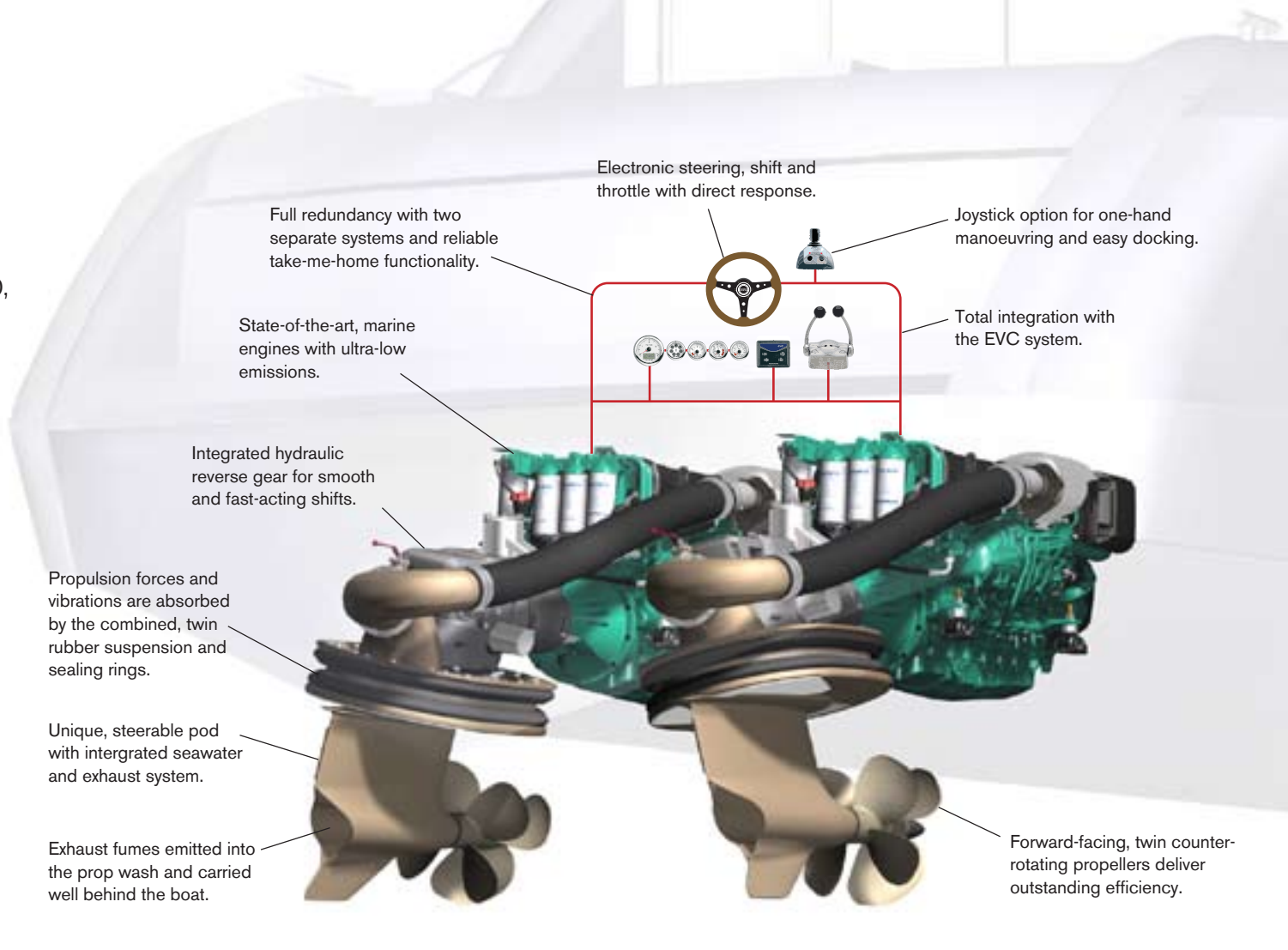
Designed with safety as a key feature in every sense of the word, with robust construction, flexible suspended pods and full redundancy in the EVC system. Volvo Penta IPS has a series of built-in features to reduce the risk of leakage in the event of an impact. Excellent manoeuvrability with one engine further increases safety.

Extended range. More power

The range is extended with the new IPS750 and IPS850, powered by the well-known D9 and the brand-new D11. In combination with the new, larger pod, they deliver outstanding acceleration and performance. Equally new is the IPS500G, powered by a big-block V8, the first gasoline model in the range.

Multi installation. A revolution in yacht design

Volvo Penta IPS can be installed in triple or quad installations. Always operated with one steering wheel and standard twin control levers – plus of course with the joystick option. The triple and quad options combined with the new wider range mean Volvo Penta IPS is available all the way up to plus 80-ft yachts. Quad IPS850s equal 3400 hp with inboard shafts.



Electronic steering, shift and throttle with direct response.

Joystick option for one-hand manoeuvring and easy docking.

Full redundancy with two separate systems and reliable take-me-home functionality.

Total integration with the EVC system.

State-of-the-art, marine engines with ultra-low emissions.

Integrated hydraulic reverse gear for smooth and fast-acting shifts.

Propulsion forces and vibrations are absorbed by the combined, twin rubber suspension and sealing rings.

Unique, steerable pod with integrated seawater and exhaust system.

Exhaust fumes emitted into the prop wash and carried well behind the boat.

Forward-facing, twin counter-rotating propellers deliver outstanding efficiency.

Volvo Penta IPS

– a complete system:

- One contact for everything.
- Hassle-free ownership.
- Standard Volvo Penta parts.
- Built-in safety.
- Power for a wide range of boats.

New and unique options:

- Docking station. Stand-alone joystick.
- Low-speed mode. Drive really slow with full control.
- Sport fish mode. The most powerful tool to keep up with the fish. Dedicated for big-game fishing.




Volvo Penta IPS diesel models comply with US EPA Tier 2 and EU RCD and the gasoline model with EU RCD exhaust emission regulations.

Technical data in accordance with ISO 8665. Fuel quality may affect engine power output and fuel consumption. All models are not available in all markets. Every effort has been made to ensure that the 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.

VOLVO PENTA IPS RANGE	PROPSHAFT KW/HP	CRANKSHAFT KW/HP	ENGINE TYPE
IPS350	182/248	191/260	D4
NEW IPS400	212/289	221/300	D4
NEW IPS450	230/314	243/330	D6
IPS500	259/352	272/370	D6
IPS600	307/418	320/435	D6
NEW IPS750	400/544	423/575	D9
NEW IPS850	466/633	493/670	D11
NEW IPS500G*	263/353	280/375	8.1Gi

* Gasoline model, available on selected markets.



“The engines usually give you power – but these give you so much more!”

Albert and Vanessa Molina go boating with their four kids in a 43-foot Tiara powered by Volvo Penta IPS500.

Volvo Penta IPS – inboard performance system – offers dramatically increased efficiency compared to inboard shafts with up to:

- 35% better efficiency
- 20% higher top speed
- 15% faster acceleration
- 30% reduced fuel consumption/emissions
- 50% lower perceived sound level
- Car-like handling and manoeuvring
- Joystick option for easy docking

Now available for yachts all the way up to 80 ft.

“

The best thing is the package. The engines usually give you performance. But with IPS you get comfort, interior space, safety, easy-to-own – everything.”

And when the mechanic, a guy who is not trying to sell you a boat, tells you that you picked right, you know you did. My friends who own boats kick themselves after trying mine for not doing better research!

”

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