

MARINE TORQUE TALK

What's happening on the water from ...

VOLVO PENTA

MIDNIGHT EXPRESS

An Extreme 950 Game King, *Midnight Express* is the second Extreme aluminium boat to join the franchise, complementing a walk-around 850 Game King centre-cabin model.

The Extremes replaced a pair of GRP Rayglass 2800s that were a familiar sight out on the Gulf; one Rayglass remains in the Wave Dancer fleet.

Midnight Express is owned and operated by father and son team Peter and George Bourke. George has offshore experience on superyachts and is a keen angler. He heads up the fishing charter side of the business, but *Midnight Express* also undertakes long range water taxi and general transport duties all over the Gulf as far afield as Great Barrier Island, Kawau Island and Coromandel Peninsula.



The water taxi business, called Hauraki Express, gets regular work transporting DOC staff and volunteers, Auckland council workers and others to and from offshore islands. Non-fishing work includes transporting groups of mountain bikers, surfers and others to remote locations in the Gulf.

Fast, comfortable and "an awesome sea boat", according to the Bourkes, *Midnight Express* has proven ideal for the water taxi role, operating comfortably in 20-knots of wind and more.

GOOD LOOKS AND PERFORMANCE

Midnight Express is a fine-looking boat. The 950 Game King's pedigree is instantly recognisable: she could be any boat in Extreme's extensive trailer boat range, scaled up to 9.5m. The Portofino stern works well aesthetically and the entry and gently sweeping sheerline are typically Extreme. The standard of finish is superb, inside and out, giving nothing away to moulded fibreglass.

The boat's performance is impressive too. *Midnight Express* is an exceptional sea boat, says Peter, who's had her out in some pretty nasty conditions ferrying passengers and transporting equipment around the Gulf. She's also fast, pulling away from us in the *Boating NZ's* photo boat when we were travelling at 33 knots. Top speed is 39 knots.

Motive power is a six-cylinder Volvo D6 turbo-diesel producing 330hp. Extreme recommends a horsepower range of between 250hp and 480hp, but the Volvo seems a good match for the hull, powering it out of the hole in quick time. The duo-prop leg gets good purchase on the water, also in reverse, so the Bourkes didn't feel the need for a bow thruster.

Underway the boat travels smoothly, spray curling away from the hull to give a dry ride. Throttle response is excellent and she answers the helm without hesitation. For a big boat *Midnight Express* feels remarkably nimble

- **loa** 9.548m
- **beam** 2.94m
- **engine** Volvo D6-330hp
- **propeller** Volvo duo-prop
- **deadrise variable** 18 degrees at transom
- **construction** aluminium
- **fuel tank** 600L
- **hull thickness** 8mm
- **tow weight** 6000kg approx. (wet)

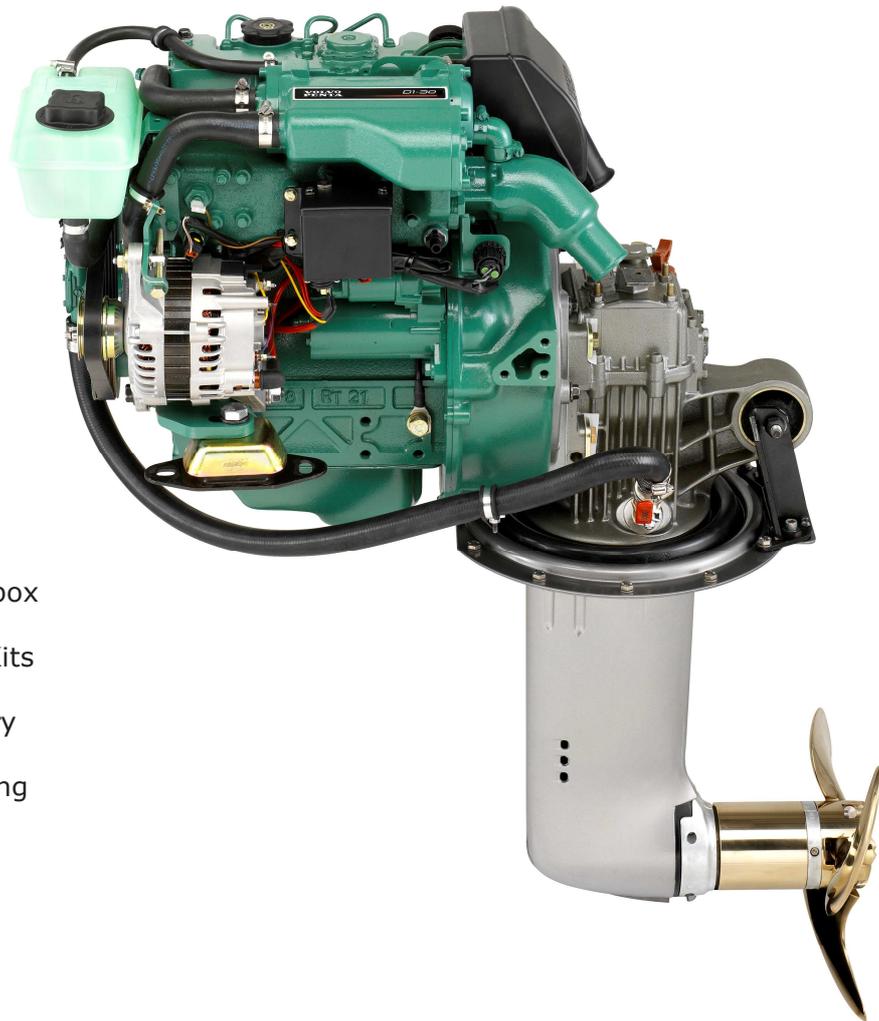


D6-330

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VOLVO PENTA

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VOLVO PENTA TAKES GAS ENGINES TO THE NEXT GENERATION

September 2015

By Volvo Penta

Volvo Penta is changing the face of petrol engine technology with its line of next-generation sterndrive marine gasoline engines. The new V6 and V8 engines demonstrate the company's leadership in innovation by offering unparalleled performance, while significantly exceeding US and upcoming EU emission standards. The new line is just one of several innovations Volvo Penta promoted at the Cannes Boat Show in September 2015.

Volvo Penta has begun the roll-out of a complete line of next-generation V6 and V8 gasoline sterndrive engines, with new 4.3 litre catalyzed V6 engines (rated at 200 and 240 horsepower) already available. The new 5.3L V8 line, along with the V6 280, was launched in September at IBEX 2015 in Kentucky. The entire range will be released throughout 2015 and 2016 - seven engines in total with two more V8s to come in 2016.

Leveraging on General Motors' highly acclaimed Gen V technology, the new engines - which expand on the revolutionary award-winning V8-380 introduced by Volvo Penta in 2012 - will supplement Volvo Penta's current product line. They also represent Volvo Penta's most environmentally advanced engines to date, which is up to four times cleaner than similar horsepower four stroke or direct injected outboard engines.

The new engines are the first on the market to combine the following key technologies as standard:

- Industry-first direct fuel injection which contributes to better low-end torque and unmatched fuel efficiency
- Variable valve timing, which optimizes torque throughout the full acceleration range
- Lightweight all-aluminium block for unparalleled power-to-weight ratio
- Standard closed cooling for more consistent internal temperature, longer life with no internal parts exposed to raw or salt water
- Industry-first wideband oxygen sensors optimizing the engine for varying fuel quality and also reducing carbon monoxide emissions by 95 percent, through the use of catalysts.
- Standardisation across full product line of marine gas engines with common parts and service points to reduce the number of parts dealers need to carry and simplify service and maintenance.



V6-240 sterndrive

Additionally, the new range incorporates Volvo Penta's proven RPM-based speed control technology, which automatically maintains speed when the boat is in a tight turn.

"At Volvo Penta, innovation is in our DNA," says Ron Huibers, president of Volvo Penta of the Americas. "We're very proud of our impressive record of industry firsts, such as sterndrive, Duoprop, joysticks, IPS and Glass Cockpit. Now we're raising the bar once again. These next-generation gasoline engines are true thoroughbreds, incorporating innovations that yield dramatic improvements in torque, acceleration, fuel efficiency, emissions and durability at a competitive cost".

"Volvo Penta already offers the widest range of engines and drive options in the marine industry, and these new-technology gasoline engines will provide even more choices for our customers," he adds. "The new engines bring an element of fun to boating. They're responsive and powerful, with high power density and better fuel efficiency so boaters can travel further and longer."

Current and new engines are available with DPS, FWD, OceanX and SX drives as well as Electronic Vessel Control (EVC) options. The engines are also equipped with Speed Control, which maintains a target speed regardless of load conditions—perfect for water sports.

"One of our core values at Volvo Penta is to be good stewards of the environment," says Huibers. "These next-generation engines are designed to improve fuel efficiency and meet the world's most rigorous emission standards, including the U.S. Environmental Protection Agency and California Air Resources Board, as well as upcoming European Union requirements, by a wide margin. We've also reduced CO emissions at idle by 95 percent."

However inboard gas engines offer the perfect solution and emit few emissions, which is a benefit in parts of Switzerland where emissions regulations on the Alpine lakes prohibit the use of diesel engines.

"Wake and ski clubs across Europe will welcome Volvo Penta's next-generation V6 and V8 gasoline sterndrive engines," adds Jamet. "They will add a new dimension to many popular water sports, thanks to their high power density, and offer industry-leading advancements in fuel efficiency, emissions reduction, acceleration and torque."

Volvo Penta at Cannes

The Volvo Penta stand at the Cannes Boat Show (QML 234) in September 2015 featured V6 and V8 gas engines, along with Volvo Penta's newest innovation: the Forward Drive (FWD) propulsion system. A FWD-equipped Four Winns TS 222 boat, powered by a Volvo Penta V8 engine, and a Regal 2100 Surf Edition was also available for test drive at QML 072.



4.3 litre V6 engine (rated at 200, 240 and 280 hp)

WHITE POINTER 870 PRO SPORTSMAN

The latest White Pointer is the most dedicated fishing design they have developed. It incorporates an easy access walk-around engine station with no obstacles on the floor to step over or trip on when engaged in a battle with a fighting fish.

A clever transom door folds down close to water line and enables access to get a big fish on to the wet deck self-draining floor. This transom door is big!

Volvo Penta D6-330 / DP

| | |
|-------------------|------------------|
| Configuration | 5.5 lt, Inline 6 |
| HP @ RPM | 330 @ 3500 |
| Max torque @ rpm | 810Nm @ 2500 |
| Transmission type | DPH |
| Ratio | 1.76:1 |
| Propeller size | G5 |
| Prop Material | Nibral Duo Prop |
| Dry weight | 770 kg |
| Installation type | Single engine |

Notes

The optimal cruise speed on this vessel was 21-25 knots where it is using 1.4 lts of fuel per nautical mile and giving a range of approximately 350 nautical miles with a 10% reserve capacity

Boat Specifications:

| | |
|----------------|------------|
| Hull type | Monohull |
| Material | Alloy |
| Length (LOA) | 8.7 metres |
| Beam (BOA) | 2.8 metres |
| Deadrise | 18 degrees |
| Fuel Capacity | 550 litres |
| Water Capacity | 80 litres |

Volvo Penta D4-300 / DPH

| | |
|-------------------|------------------|
| Configuration | 3.7 lt, Inline 4 |
| HP @ RPM | 300 @ 3500 |
| Max torque @ rpm | 702Nm @ 2500 |
| Transmission type | DPH Stern Drive |
| Ratio | 1.76:1 |
| Propeller size | G5 |
| Prop Material | Nibral Duo Prop |
| Dry weight | 660 kg |
| Installation type | Single |

Notes

The optimal cruise speed on this vessel was 18-21 knots where it is using 1.2 lts of fuel per nautical mile and giving a range of approximately 420 nautical miles with a 10% reserve capacity

D6-330

POWER BY
**VOLVO
PENTA**



D6-330/DP

D4-300

POWER BY
**VOLVO
PENTA**



D4-300/DP

The results refer to the test boat on the day of test only. Performance may vary due to weather & load conditions

VOLVO PENTA ACTION SERVICE GOES GLOBAL

2016-02-01

By Volvo Penta

The around-the-clock customer care service provided by Volvo Penta has been significantly expanded to offer global coverage in 28 languages worldwide.



Volvo Penta's extensive network of over 3,500 dealers is the first line of support for customers. Now, the global dealer network is backed up by Volvo Penta Action Service globally.

The expanded Action Service is truly global, meaning that all of Volvo Penta's customers will have easy access to the service on a global scale, 24 hours-a-day, 365 days a year - covering all Volvo Penta products.

If a customer experiences a breakdown, they can call Volvo Penta Action Services and the operator will provide support all the way through the case and keep the customer updated on status and progress.

Whenever on-site assistance or technical support is needed, the operator will ensure that the customer is put in contact with the closest Volvo Penta dealer with the right competence to cater for their specific needs.

Any technical issue will be dealt with without delay once a dealer is contacted and will be escalated if necessary.

Expert Knowledge

Stephan Orsulic, director of field service support at Volvo Penta, explains that while the service itself is not new, it has been significantly expanded to provide truly global coverage, in many more languages.

"We're a global company with a global presence, but we support our customers locally," says Stephan.

"We want to have expert knowledge and support as close to our customers as possible."

Customers have access to support in 28 languages, regardless of where they are in the world. The preferred language can be selected and does not depend on where the customer is located, reinforcing the global nature of the service.

"We want to make sure that no customer is ever stranded without knowing where to turn," says Stephan. "We strive to provide support where and when our customers need it. When time is of the essence, we're there to get our customers back in operation as quickly as possible."

"For example, we can now offer the service to someone who is in Africa but only speaks Chinese. We can give them the opportunity to contact a Chinese speaker 24/7, so access to a dealer will be based on language knowledge, not physical location."



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with **Sonihull!**

Easy to install
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Ovlov Marine farewells Jane Moore

Jane Moore started work for the Volvo Penta importer, Scandinavian Motors, in Beach Rd in the city in 1975. First in the office and then into the parts department which she enjoyed far more. She left in 1978 to travel overseas and ended up in the UK working in the parts dept for a Citroen, Jaguar, Rolls Royce and BMW dealer. On her return to NZ in 1982 she had her 2 daughters, Nicky and Gillian. She then worked in parts for Shorters, the Volvo car dealer.



In 1991 she returned to Volvo Penta and started work with Ovlov in Barrys Pt Rd, Takapuna. For 25 years Jane has been a tremendous asset for Ovlov and Volvo Penta, working first in the parts dept and then as the Service Administrator. She has also deputised as the Service Manager on many occasions. Jane has accumulated a vast amount of Volvo Penta and marine industry knowledge, and with her friendly and happy nature has earned the respect of our customers, marine industry peers and fellow workmates. Resigning has been a big step for Jane and we all wish her the very best for her future.

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WHANGAPARAOA: Marine Solutions Gulf Harbour.

Whangaparaoa Ph 09-424-1260

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Ovlov Marine - Pine Harbour Limited. Beachlands Ph 09-5365249

Allvo Marine & Engineering Ltd. Howick Ph 09-535-9189

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WHITIANGA: Pacific Coast Marine & Diesel. Whitianga Ph 07-866-0551

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PORIRUA: KP Marine. Porirua Ph 04 233 6164

WELLINGTON: Strait Marine Parts & Services Limited.

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