



The YANMAR 3JH40 engine - the world's smallest common rail inboard marine diesel engine

Jan 19, 2018 10:00 GMT

## **YANMAR - boot Düsseldorf: New from YANMAR for 2018: World's Smallest Common Rail Inboard Marine Diesel Engine, Higher Horsepower in Mid Range Series, and Expansion in Joystick Controls**

*boot Düsseldorf 2018, 20<sup>th</sup> to 28<sup>th</sup> January, Hall 10 Stand G57*

## **YANMAR Launches 3JH40 – world’s smallest CR Inboard Marine Diesel Engine**

YANMAR MARINE INTERNATIONAL is launching the latest addition to its family of new generation common rail (CR) diesel engines, the compact YANMAR 3JH40 inboard engine, at boot Düsseldorf.

The 3-cylinder 3JH40 has been developed by leading manufacturer YANMAR as the marine industry’s smallest CR inboard diesel engine. With an output of 40 mhp, it will enable a whole new category of smaller leisure boat owners and commercial vessel operators to benefit for the first time from the efficiency and performance advantages associated with the most recent electronically-managed CR fuel-injection technology.

Offering minimal fuel consumption and exceptionally low noise and emission levels, the new YANMAR 3JH40 propulsion engine surpasses EPA Tier 3 and EU RCD Tier 2 emission regulations for virtually smoke and odor-free operation.

The 4-stroke, water-cooled 3JH40 is an ideal solution for new builds and repowering applications, specifically monohull sailing yachts and catamarans up to 45ft, small motor boats or sloops, and light duty commercial craft.

Weighing 192 kg and with 1.642 L displacement, the engine can be operated by either standard mechanical cable controls or the YANMAR VC10 electronic control system.

Floris Lettinga, YANMAR MARINE INTERNATIONAL’s Senior Global Sales Manager, said: “We have launched the new YANMAR 3JH40 to answer the demand for a smaller common rail engine suitable for a wide range of commercial and leisure applications. By strengthening our JH-CR range of models, we are very pleased to introduce the significant benefits associated with common rail technology to more owners and operators. It is clear from the extensive variety of our new customers recently acquired that the YANMAR JH common rail range from 40 to 110 mhp has become the new global standard in sailboat propulsion.”

## **YANMAR Introduces 4LV Series High Power Models**

Following the 2017 introduction of the 150, 170 and 195 mhp units in its new 4LV Series of CR engines, YANMAR is for the first time introducing the addition of the two highest power engines, the 230 and 250 mhp versions, to complete the 5-engine range.

The 3800 rpm 230 and 250 mhp models feature an increase in output and different turbo models from the first three 3500rpm units in YANMAR's mid-section range of leading diesels.

Harnessing fuel injection technology and demonstrating the YANMAR 5x best-in-class features, the new 4LV higher power engines have been designed for power recreational boating and small commercial craft applications.

The engines incorporate the latest technology to enable extremely low vibration and noise levels for a smooth and quiet running engine. These include a counterbalance shaft and refined component design.

Featuring a class-leading power-to-weight ratio, the 4LV delivers a powerful low-end torque performance. This results in a stunning acceleration and set these engines apart from others in their power range.

### **JC20 Joystick Now Available**

YANMAR's common rail engine range is complemented by a choice of YANMAR controls, including the new JC20 joystick system for innovative maneuvering solutions.

Previewed in 2017, the easy-to-use JC20 is available from February 2018. It enables precise joystick maneuvering for twin straight shaft drive engine installations in combination with a bow thruster.

The new YANMAR control allows owners of motorboats, powerboats, and catamarans to dock accurately and smoothly by pressing the joystick in the desired direction. The JC20 automatically directs the speeds of the two engines and uses the thruster to precisely maneuver the boat.

The introduction of the JC20 completes YANMAR's joystick control line up, already featuring the 4JH80 SPP (Steerable Propulsion Pod) joystick

maneuvering system for large sailing yachts and the JC10 Joystick for twin sterndrive, all of which integrate directly with YANMAR engines.

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**About YANMAR**

With its beginnings in Osaka, Japan in 1912, YANMAR went on to become the first company to succeed in making a compact diesel engine of practical size in 1933. With industrial diesel engines as the cornerstone of the business, YANMAR has continued to expand its range of products, services and expertise to deliver total solutions as a diesel engine and equipment manufacturer. Providing small and large engines, agricultural machinery and facilities, construction equipment, energy systems, marine engines, machine tools, and components – YANMAR’s global operations span seven business domains on land and at sea.

Based in the Netherlands, YANMAR MARINE INTERNATIONAL is focused on the leisure marine sector globally, supplying engines for both sailboats and powerboats, and light duty commercial applications. Over the years, YANMAR has built an enviable reputation for proven marine technology delivering high quality and reliability and continues to develop advanced technology for the cleanest and most efficient diesel engines.