



YANMAR

INTEGRATED PROPULSION &
MANEUVERING SOLUTIONS

Steerable Propulsion Pod

4JH80 SPP

**THE ULTIMATE JOYSTICK SYSTEM
FOR SAILING YACHTS**



360°



UNIQUE CONCEPT

Photo: Beneteau Oceanis 55

The YANMAR 4JH80 SPP (Steerable Propulsion Pod) takes maneuvering under power to the next new level. It unites YANMAR's advanced 4JH80 marine diesel engine with ZF Marine's all-new steerable saildrive under full electronic joystick control. This combination makes negotiating busy waterways and docking in tight marina berths in a sailboat easier than ever before.

The power behind the propulsion package is the 4JH series diesel which, uniquely for such a compact power plant, uses electronically-controlled common-rail direct fuel injection for responsive, super-clean, smooth, and fuel efficient performance.

Propulsion is delivered through the unique 360° rotation of the submerged leg. These combined propulsion and control systems are managed by unique algorithms that also involve operation of the bow thruster. Meanwhile the skipper always has fine fingertip control of the whole operation via the joystick.

The YANMAR 4JH80 SPP system delivers superior maneuvering performance that was previously restricted as an option to powerboats only. However, through YANMAR, it is now available for all sailing yachts designed for saildrive propulsion.

4JH80 SPP

Rated Output	59 KW/ 80 MHP
Rated Speed	3200 RPM
Displacement	2.0 L (122 CU IN)
Transmission	SPP 360° rotation
Control System	Electronic



Easy to start and operate.

The joystick is comfortable, easy, and intuitive to use. Simply move the joystick to ahead, astern, port, starboard, or any points in between and your yacht will move in that direction. Quickly or slowly, the speed of your yacht will be precisely proportional to the force you apply. You'll quickly gain confidence when maneuvering in the most congested of yacht harbours. You could even turn the boat on its own axis if you felt so inclined. It's that easy.

All you need to do is take joystick control and dock like a pro!



Joystick

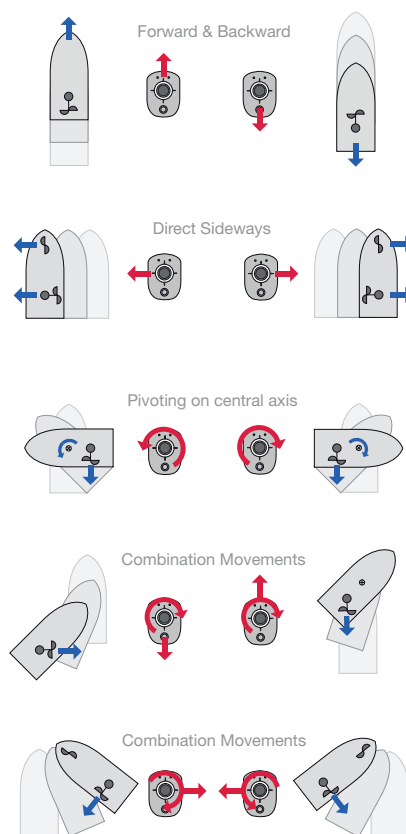
For low-speed maneuvering this gives smooth control. Docking, mooring, anchoring, and navigation through traffic are easier and more precise.

Ready to go.

Start maneuvering at the touch of a button. System status can be seen at a glance at all times from the LED lighting on the joystick.



JOYSTICK MANEUVERING



**Safety
Comfort
Efficiency
Maneuverability**

Complete package

The 4JH80 SPP is a fully integrated system offered by YANMAR as a total propulsion package.

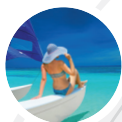
YANMAR 4JH80 Common-Rail Technology

5x
BEST IN CLASS



Interconnective

Engineered with direct connectivity to the latest integrated control and monitoring systems, supporting advancing marine technologies.



Quiet

Technology that enables exceptionally low vibration and noise levels, ensuring a smooth and quiet running engine.



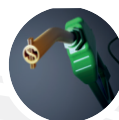
Clean

Exceeds strict EPA Tier 3 and EU RCD Tier 2 emission regulations, providing a nearly smoke and odor free experience.



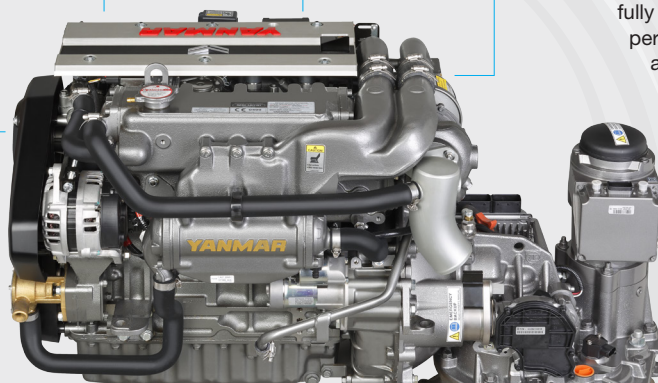
Powerful

Class leading power to weight ratio and high start-up torque performance.



Fuel Efficient

Digital controls monitor the engine to minimize fuel injection and optimize performance.



ZF Marine Steerable Saildrive

The newest 360° rotating steerable saildrive from ZF Marine makes docking your boat, maneuvering in tight places, and cruising at low speeds as easy as driving a car. Equipped with the latest technology, it is fully pre-wired for easy installation, performs continuous diagnostics, and is compatible only with the advanced, interconnective 4JH80 YANMAR engine to bring you unmatched performance and maneuverability to sail yachts.



Vetus Bow Thruster



Vetus extended run bow thrusters, which can be operated continuously for at least 7 minutes, are perfect for demanding joystick docking applications. They are thoughtfully designed to optimize water flow, minimizes noise & vibration, use materials that reduce weight & eliminate corrosion, and install easily. The system also directly connects to the 4JH80 SPP for seamless functionality.



PROVEN MARINE TECHNOLOGY

LEGENDARY INNOVATION • YANMAR RELIABILITY, ENGINEERED TO LAST
GLOBAL SUPPORT NETWORK • DRIVEN BY SUSTAINABILITY

Global Head Office
YANMAR MARINE INTERNATIONAL B.V.
Brugplein 11, 1332 BS Almere, the Netherlands
www.yanmarmarine.com

EN-SPP-0517