



# Complete package

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

### Interconnective

The engine and transmission come with full 'plug and play' connectivity with the latest vessel integrated control and monitoring electronics.

### Quiet

The engine has exceptionally low noise and vibration levels.

### Powerful

Combining power and high performance while running smooth and silent.

### Reassuring

Unequaled YANMAR reliability and service assures carefree yachting.

### Clean

All JH-CR series are compliant with strict EPA Tier 3 and EU RCD Tier 2 emission regulations. And best of all, smoke- and odor-free.

### Fuel Efficient

Direct fuel injection results in less diesel consumption.

### Safe

In the unlikely event of propulsion failure, 4JH80 SPP has a simple-to-initiate manual override to get you home.

### Compact

Due to its modest size the 4JH80 SPP is easily fitted and accessible.

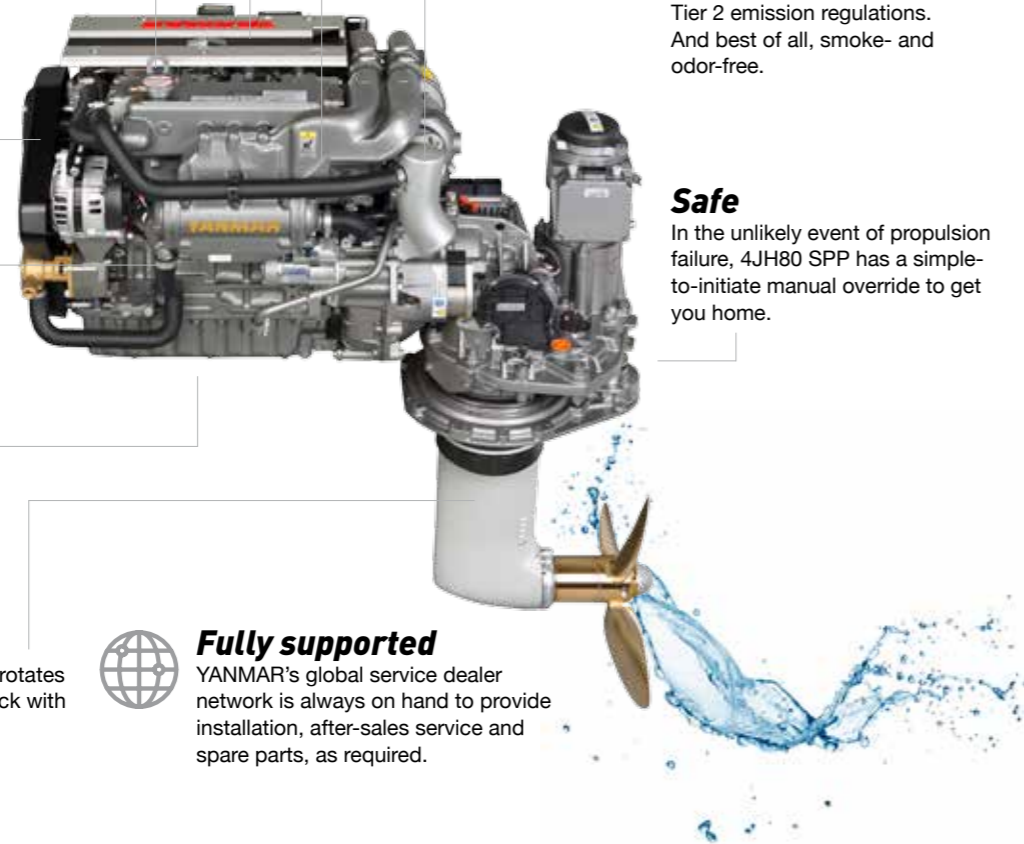
### Maneuverable

For docking, the submerged leg rotates through 360° controlled by joystick with fingertip precision.



### Fully supported

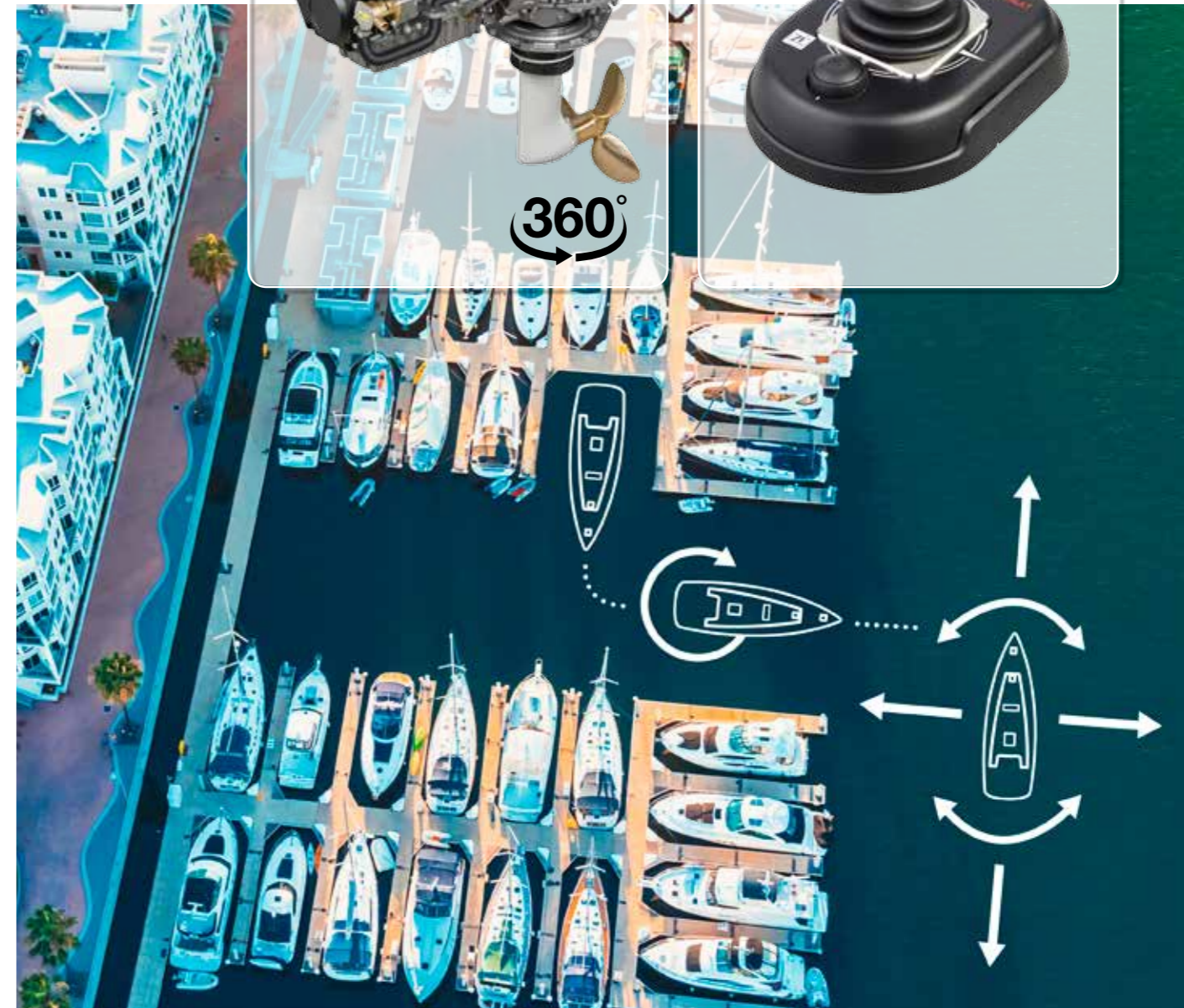
YANMAR's global service dealer network is always on hand to provide installation, after-sales service and spare parts, as required.



# Steerable Propulsion Pod

4JH80 SPP

## THE ULTIMATE JOYSTICK SYSTEM FOR SAILING YACHTS!



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# UNIQUE CONCEPT

Photo: Jeanneau 51 – Gilles Martin Raget

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 delivers superior maneuvering performance that was previously restricted as option for powerboats only. However, now it is also 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. Just gently move the stick to ahead, astern, port, starboard or any points in between and your yacht will go there. Urgently, or gentle and slow, the speed you would like to generate will be precisely proportional to the pressure 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.

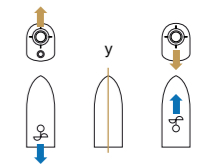
## Ready to go.

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.

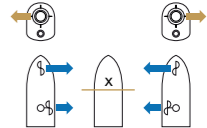


### JOYSTICK MANEUVERING

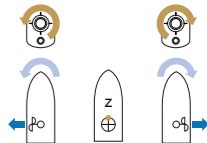
Forward & backward



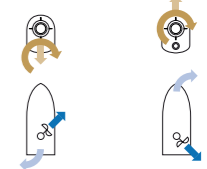
### Sideways maneuvering



### Pivoting – rotation on central axis



### Various combined maneuvers



**Safety  
Comfort  
Efficiency  
Maneuverability**

Photo: Jeanneau 51 – Gilles Martin Raget