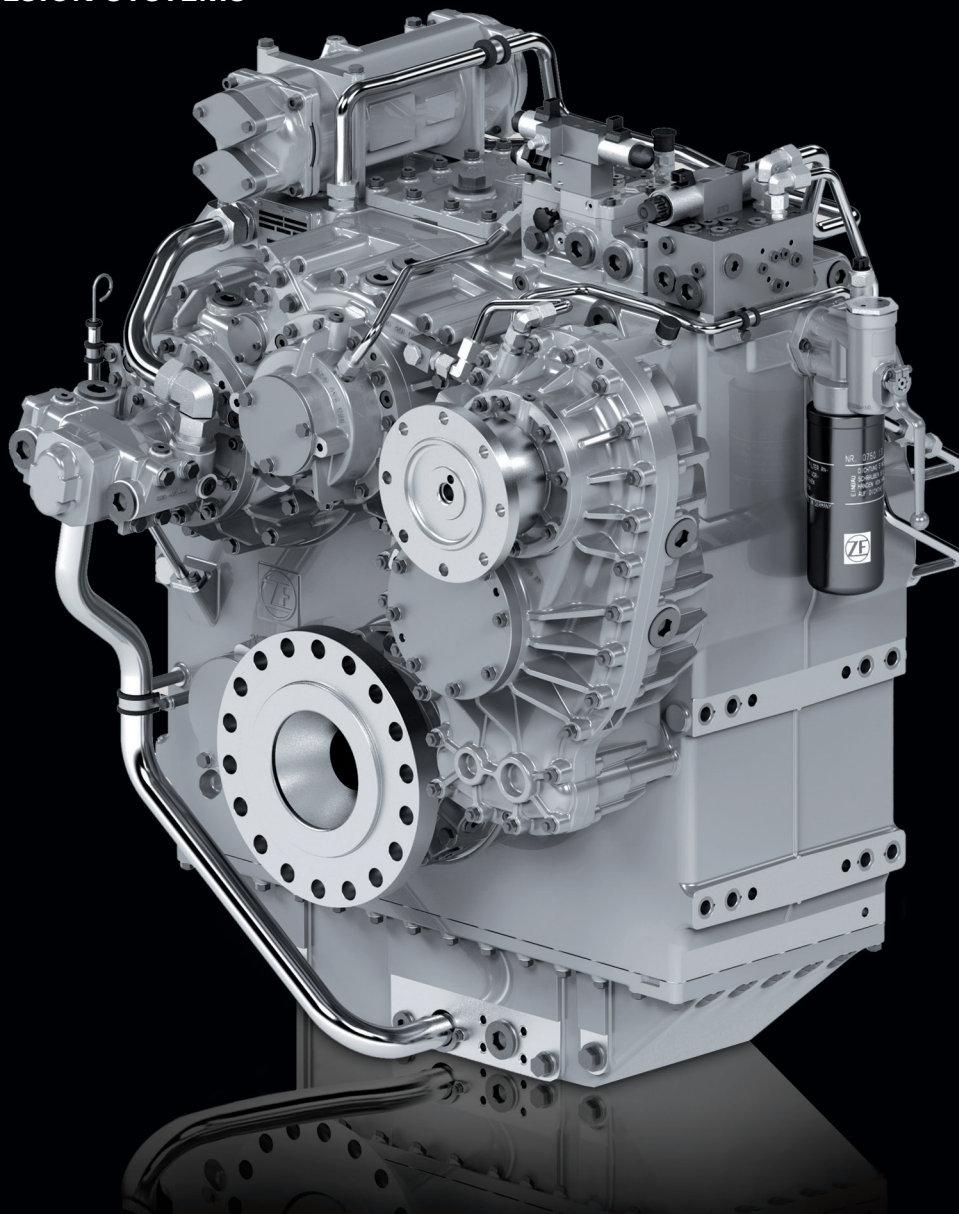


# PRODUCT OVERVIEW

MARINE PROPULSION SYSTEMS



# ZF Friedrichshafen AG

## Marine Propulsion Systems

ZF Friedrichshafen AG’s business unit “Marine Propulsion Systems”, headquartered in Padova, Italy, is a leader in the supply of driveline components to the global marine market. ZF Marine supplies propulsion systems and components for all types of vessels – motor yachts, defense craft, high-speed ferries, workboats and commercial vessels, in a power range from 10 to 14,000 kW – to production boat builders, shipyards, and engine manufacturers worldwide. Through continuous reinvestment in research and development, ZF Marine is able to provide customers with a wide range of products specifically designed for the competitive commercial marine and pleasure craft segments.

The product portfolio includes a comprehensive range of reversing, non-reversing and hybrid transmissions, propellers, POD-drive systems, steering systems and CANbus-compatible, electronic control systems, azimuth thrusters, tunnel thrusters and sail drives.

Represented by factory trained service partners in more than 140 countries, ZF Marine offers unparalleled parts supply and service support for all of their products.

### Pleasure Craft



**ZF Padova s.r.l.**  
**ZF Marine Headquarters**  
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Phone +39 049 8299 311  
Fax +39 049 8299 550



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### Commercial & Fast Craft



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The Netherlands  
Phone +31 180 3310 00  
Fax +31 180 3310 99



**ZF do Brasil Ltda**  
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18103-905 – Sorocaba (SP)  
Brazil  
Phone +55 15 4009 2158  
Fax +55 11 2845 2314

### Main Sales & Service Locations



**U.S.A.**  
**ZF Marine Propulsion Systems Miramar, LLC**  
**U.S. Headquarters**  
15351 SW 29th St  
Suite 300  
Miramar, FL 33027  
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Fax +1 954 447 4141  
Toll Free 877 496 4040

**ZF Marine Middle East LLC**  
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Sharjah  
U.A.E.  
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Fax +971 6 5747 174

**ZF Marine Singapore Pte Ltd.**  
20 Harbour Drive  
#06-01 PSA Vista  
Singapore 117612  
Rep. of Singapore  
Phone +65 677 37 551  
Fax +65 677 37 537

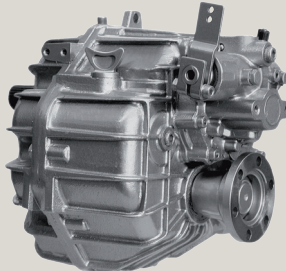
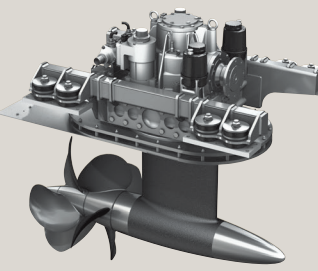


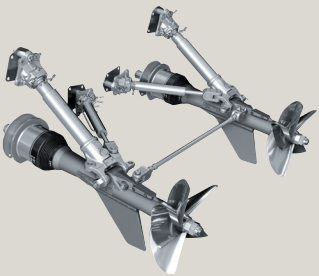
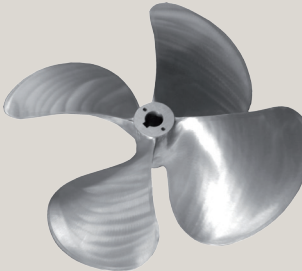




In addition, ZF Marine is supported by 500 Sales & Service offices worldwide.

See [www.zf.com/marine](http://www.zf.com/marine), for contact details.



# Product Overview

## Pleasure Craft

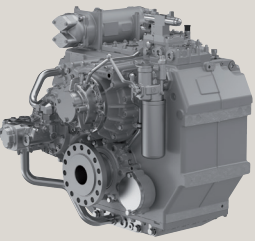
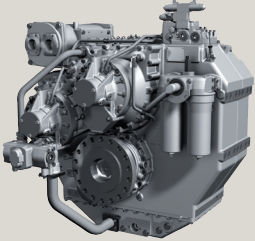
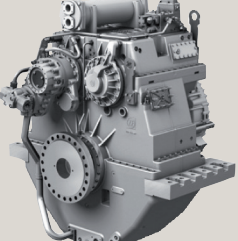
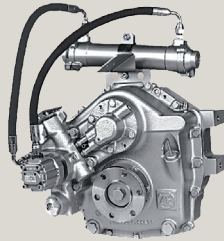
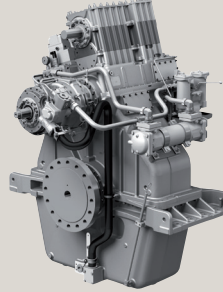
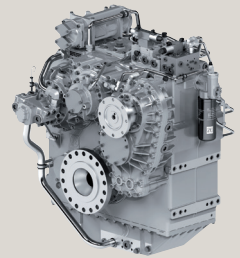
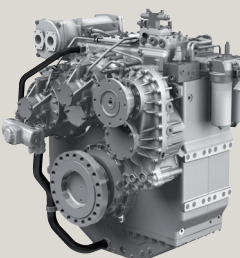
| Transmissions  |  |   | Pod Drive Systems   |   | Sail Drives   | Surface Drive Systems   | Fixed Pitched Propellers  |
|--|--|---|---|---|---|---|---|
|    |  |   |  |  |    |    |    |
| ZF M family<br>ZF 12<br>ZF 25<br>ZF 63<br>ZF 80                                    | ZF 301<br>ZF 325<br>ZF 335<br>ZF 360<br>ZF 550<br>ZF 665 | ZF 90 ATS<br>ZF 115 IVTS<br>ZF 312 TS<br>ZF 325 TS<br>ZF 550 ATS<br>ZF 665 TS | ZF POD 4000   | ZF POD 2500<br>ZF POD 2800  | ZF SD 10<br>ZF SD 12  | SeaRex 100 S<br>SeaRex 120 S<br>SeaRex 140 S<br>SeaRex 160 S                          | ZF FP KCA<br>ZF FP KCA - S<br>ZF FP NR<br>ZF FP EV<br>ZF FP NACA<br>ZF FP NF          |
|  |  |   |   |   | Control Systems   | Control Lever   | Joystick Manoeuvring System   |
|  |  |   |   |   |  |  |  |
|  |  |   |   |   | 9000 Series<br>CruiseCommand<br>MiniCommand<br>SmartCommand<br>SteerCommand           | 5200<br>4200<br>MC 2000<br>460<br>Handheld Remote<br>Tournament Lever                 | J5000   |



# Product Overview



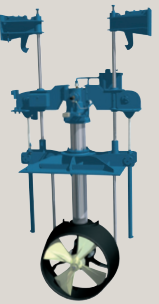
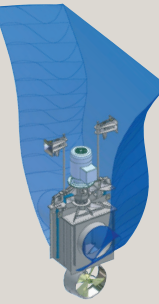
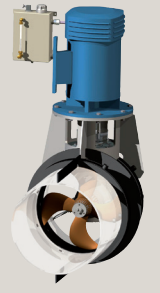
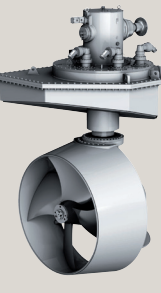

## Commercial & Fast Craft

### Transmissions

|  |   |   |  |  |   |   |
|--|---|---|--|--|---|---|
|  |   |   |  |  | Future Trend Innovations  |   |
|  |  |  |  |       |  |  |
| ZF 2000<br>ZF 3000<br>ZF 5000  | ZF 7600<br>ZF 9000  | ZF 23500<br>ZF 24000<br>ZF 30000<br>ZF 40000<br>ZF 53000<br>ZF 60000<br>ZF 83000  | ZF W220<br>ZF W320<br>ZF W650<br>ZF W1800<br>ZF W3355                              | ZF W11000<br>ZF W17000<br>ZF W23000<br>ZF W33000<br>ZF W63000<br>ZF W83000<br>ZF W103000 | ZF 5300 PTI<br>„Hybrid Ready“   | ZF 9000 PTI<br>„Hybrid Ready“   |



### Thruster Systems

|   |   |   |   |  |  |   |
|---|---|---|---|--|--|---|
|             |                                |    |    |   |           |  |
| ZF AT 2000 WM-CR<br>ZF AT 3000 WM-CR<br>ZF AT 400 WM-CR<br>ZF AT 4000 WM-CR<br>ZF AT 5000 WM-CR | ZF AT 2000 DM-FP<br>ZF AT 3000 DM-FP<br>ZF AT 400 DM-FP<br>ZF AT 4000 DM-FP<br>ZF AT 5000 DM-FP<br>ZF AT 6000 DM-FP | ZF AT 2000 RT-FP<br>ZF AT 3000 RT-FP<br>ZF AT 400 RT-FP<br>ZF AT 4000 RT-FP<br>ZF AT 5000 RT-FP<br>ZF AT 6000 RT-FP<br>ZF AT 7000 RT-FP<br>ZF AT 8000 RT-FP | ZF AT 2000 RT-FP<br>ZF AT 3000 RT-FP<br>ZF AT 400 RT-FP<br>ZF AT 4000 RT-FP<br>ZF AT 5000 RT-FP<br>ZF AT 6000 RT-FP<br>ZF AT 7000 RT-FP<br>ZF AT 8000 RT-FP | ZF TT 1000 FP<br>ZF TT 2000 FP<br>ZF TT 3000 FP<br>ZF TT 4000 FP<br>ZF TT 4000FP<br>ZF TT 5000 FP<br>ZF TT 6000 FP<br>ZF TT 7000 FP<br>ZF TT 8000 FP | ZF AT 2000<br>ZF AT 3000<br>ZF AT 4000<br>ZF AT 5000<br>ZF AT 6000<br>ZF AT 7000<br>ZF AT 8000 | ZF Multi-Thruster<br>Control System   |

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