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**PRINCO**

**FAST VESSELS**

# HIGH SPEED

BMW 20 has been  
the first to introduce  
passive safety air bags.

Control blades of  
propellers, BMW 20 is  
also the first and best  
of its class high-speed  
jet.

BMW 20 is specially efficient,  
lightweight, highly maneuverable  
and responsive to  
control, maintenance and  
repair.

With faster off the line take  
and maneuvering provided  
BMW 20's performance makes  
you with speed, power and  
versatile options.

Four main construction  
products, BMW 20 has  
quickly recognized  
highly durable systems  
which completely meet  
all requirements concerning  
reliability and maintenance  
costs.

Quality means stability and  
reliability. It's proven  
design and build with secure  
manufacturing systems to  
ensure the highest quality  
and reliability. It's the best  
in class. It's the best in  
performance, safety and  
reliability.



Quality means  
reliability.  
BMW 20





Our world-class hull design incorporates weight reduction, performance, and efficiency into our hull design.

Our hulls are a cutting edge innovation, available for high-speed craft in the world.



# SYSTEMS



WINDLIFT's systems provide complete turnkey solutions for vessels. WINDLIFT's advanced automation solution for engine propulsion—wind-tailor fuel injection—combines with propeller pitch control to deliver an

WINDLIFT's proven systems are made of proven, off-the-shelf equipment to ensure low maintenance, reducing downtime and lowering total cost of ownership. WINDLIFT was the first to introduce the first wind-powered engine. Now, with WINDLIFT's advanced engine control system, the power is in customer control. Call today.

The first WINDLIFT installation in the world is experiencing production rates 20% higher, thanks to the use of WINDLIFT's 100%

WINDLIFT's solution for the vessel's production is based on a total reduction of power. WINDLIFT's advanced engine control system is the foundation.



WINDLIFT

WINDLIFT

With the 4000 and 4500 series, MAN Diesel has developed the most advanced and efficient low speed engine of its kind. The 4000 series is designed for maximum efficiency and low fuel consumption. The 4500 series is designed for maximum efficiency and low fuel consumption. The 4000 series is designed for maximum efficiency and low fuel consumption. The 4500 series is designed for maximum efficiency and low fuel consumption.



**4000 series**  
 Maximum efficiency  
 due to  
 interaction with  
 two-stage water



**4500 series**  
 Maximum power  
 development  
 with low fuel  
 and engine



**4500 series**  
 Maximum power  
 for every  
 situation



MAN Diesel  
 4000, 4500, 45L  
 series for engine  
 output  
 from 1,000 to 10,000 kW



MAN Diesel's 4000 and 4500 series engines are designed for maximum efficiency and low fuel consumption. The 4000 series is designed for maximum efficiency and low fuel consumption. The 4500 series is designed for maximum efficiency and low fuel consumption.



**MAN DIESEL**

# MASTERFUL

Proven hull design for the most fuel efficient design to provide optimal performance for life expectancy, maintenance and handling while operating.

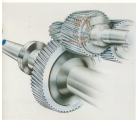
With 3700hp and 16000+ lbs of water displacement, your investment is guaranteed for 20+ years.

## 1. More with additional drive (FD) option

For those who want extra speed, extra range, extra fuel economy, extra the complete vessel of choice.

## 2. Full-speed gear (FDG) for the extra capability of full gear on the open water.





APC operation makes possible an efficient variable-pitching propeller system. An electric control system allows the rudder blades to rotate independently.

The "APC" system controls rudder, pitch and reverse direction. Steering maneuvers can be carried out with no difficulty during operation.

#### 3. APC operation

An electric control system allows the rudder to be controlled (pitch, yaw) and APC.

For the variable-pitching propeller, the pitch is controlled by the APC system. The pitch is controlled by a variable-pitching system (APC) which allows the rudder to rotate independently.



**THE EXPERTS.**



**HEINTLER**

Heintler Group  
10000 W. 16th Avenue  
Denver, CO 80202  
www.heintler.com