Let's make sailing safer

At Mac N Hom Marine Equipments (P) Ltd., we are focused on range of products that meet the ever increasing demands of Marine based customers in terms of sophistication and diversification. We have brought to market innovative products, one after another to provide only the highest quality goods and services for your requirements and offer customised solutions and challenging applications quickly and cost effectively.







HYDRAULIC STEERING SYSTEMS



Ferry Boats-52 Nos State Water Transport Dept. Kerala



ADITYA: India's first Solar-Powered Ferry



Concrete Barge Unotech Marine Engineering Services, Ernakulam



Catamaran Passanger Boats-23 Nos Kochi Water Metro 100pax.



Balanced Hydraulic actuator- **Model: BHIMA**With Swivel Rod Eye to Connect with Tiller Arm

- ▶ More than 150 installations in Passanger Ferries of 100/200 pax, medium Barges, Choonda Boats.
- ▶ Torque Rating of 750Nm (with 180mm Tiller Arm)
- ▶ Heavy Duty Ram size: 25mm
- Second Thread on other end of Piston Rod for Emergencies.
- ▶ 12 Months Warranty against Manufact. Defects
- ▶ On-Line Installation and Service Support
- Spares including Seal kits readily available

Package Included

Manual-Hydraulic Package:

- Steering Wheel Wooden/SS
- Helm Pump, Steering Column & Self priming unit
- Marine Painted Ferruled Seamless
- steel Tubes & Hoses
 Hydraulic Actuator-BHIMA

Electro-Hydraulic Package:

- Joystick Control Panel
- Hydraulic Power pack & Sensors
- Emergency Manual-Hydraulic Steering
- Marine coated Ferrules Tubes & Hoses
- ❖ Hydraulic Actuator BHIMA
- Joystick Operated Control Panel with audio visual alarms
- Electro Hydraulic Power Pack with Sensors for Electro Hydraulic Package
- Marine Paint Coated, Ferruled Nut ends Seamless Steel Tubes for Smooth
- Emergency Manual Hydraulic version with Helm Pump, Steering Wheel & Self Priming Unit











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CIN: U29308KL2018PTC055182



SPECIFICATIONS

· Actuator Ram Diameter

· Actuator Stroke

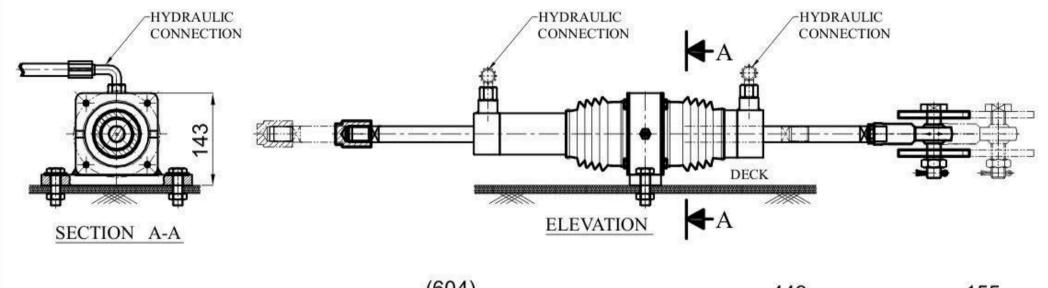
· Force @ 45 Kg. / cm² Hydraulic Pressure

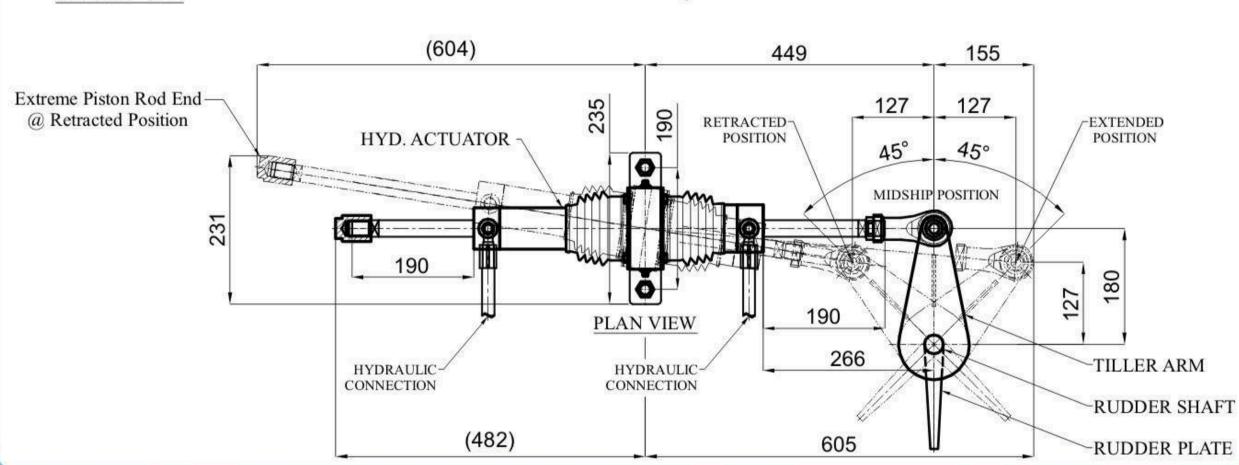
· Torque with 180 mm. Tiller Arm for ±45° turn from Midship (Actuator Pin to Rudder Shaft Centre distance : 180 mm.)

• Torque with 220 mm Tiller Arm for $\pm 35^{\circ}$ turn from Midship

(Actuator Pin to Rudder Shaft Centre distance : 220 mm.) : 93.53 Kgm.

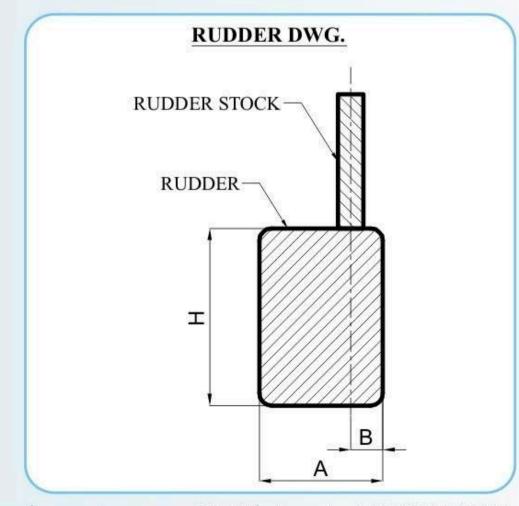
MOUNTING ARRANGEMENT OF HYD. ACTUATOR BHIMA - IRS





DATA FOR STEERING SELECTION

Length of the Vessel	Meters
Breadth of Vessel	Meters
Draft of the Vessel	Meters
Hull form (Mono / Catamaran)	
No of Engines	Nos.
Power of each Engine	HP
Speed of Vessel	Knots
RUDDER DETAILS (See Ru	dder Dwg.)
Breadth of Rudder A	Meters
Breadth of Semi-balanced Area B	Meters
Height of Rudder H	Meters
Number of Rudders	Nos.



: 25 mm.

: 260 mm.

: 661.95 Kgf.

: 76.53 Kgm.

- NOTES: 1. Please fill in this data sheet with your Vessel data, and email to info@macnhomsystems.com OR Whatsapp to +91 90729 00576.
 - 2. All dimensions are in mm.
 - 3. Dimensions are reference purpose only; kindly confirm with our Technical Department.

