

# MAKO ThunderDuck



*The new MK-5 HS Mako Racing Boat design has evolved from many years of on water testing and development done by the MD of Mako Africa, Mark Louw (Two time holder of the South African Inflatable Racing Championships & holder of 2 prestige Trans Agulhas Championships).*

*As a result of Mark's personal involvement in racing, the "MK-5 HS" has been designed and developed.*

*In Marks words, "The Mk-5 HS has been designed and built by using a combination of the measurements of the best racing Models that I used, to win the South African Championships and Trans Agulhas long haul racing events"*

*The MK-5 HS is a boat with a design combination giving it speed, handling and strength that surpasses any other craft in its class.*

*Due to its unique tunnel hull design created from a mixture of aero and hydrodynamics which causes a phenomenal, flying effect at full speed, the craft is stable and responsive at speeds of up to 116 kilometers per hour. The tunnel helps to stabilize the boat when running in rough water, and to maintain a level angle of attack even when the boat is airborne. The MK-5 enters and exits the water on a level plane and when returning to the water, the tunnel compresses the air underneath, thereby softening the landing.*

*A combination of high quality and modern day high tech materials has resulted in a boat that performs well in all sea and flat water conditions and is robust in its structure.*

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Max payload-inc Engine & Fuel	500kg
Overall length	4.2m
Overall width	2.0m
Weight empty	80kg
Buoyancy Tube Diameter	0.53m
Folded Dimensions-inc floorboard	1.8m x 0.95m
<b><u>Inflation Chambers/Safety:</u></b>	
Main Tube compartments	4
Amount of Inflation Valves	6
Amount of Safety Valves (3 bar)	4
Speed Tubes (Hi-jackers)	2
<b><u>Engine Capacity:</u></b>	
Shaft length	Short-15"
Max Power	50hp/37kW
Max engine weight	105kg
<b><u>Options of tube fabric:</u></b>	
Tube fabric-Neoprene	1100 dtx
Tube fabric-Durotex-heat welded	1050 gm2
All wear areas below waterline	Reinforced
<b><u>Floorboards-option:</u></b>	
Rigid Floor-GRP	3 Sections
Rigid Floor-Marine Ply (Covered)	3 Sections
<b><u>Handles and footstraps:</u></b>	
Carrying Handles (moulded)	4
Footstraps (Material)	4
Exterior Lifeline	2
Pasenger front rope & handle	1
<b><u>Transom:</u></b>	<b>Aluminium</b>
Water Deflector fitted to transom	
Bailers-Large self bailer	Wash Thru
Engine mounting Plate	2
Transom-S/S towing D-Ring	2
<b><u>Safety:</u></b>	
Self-righting bag with rope	1
Storage bag for medical equip	2
Paddles - in bag	2
Emergency Repair kit	1

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