



## ***ALIGATOR 4X4 MASTER II AMPHIBIOUS***

ALIGATOR MASTER II AMPHIBIOUS is a new multirole armoured vehicle incorporating high manoeuvrability and the ability to float/cruise. The vehicle is designed for implementation in various mission scenarios on land, in fresh water or in the open seas. It is primarily intended for the use in the service of armed forces, special purpose forces and police.

Excellent track and terrain performance is achieved through independent axles, special suspension system and large wheels with run flat tyres including a central tyre inflation system. The fully amphibious properties are based on a unique monocoque hull design with integrated propeller jets. The vehicle is capable of sustaining a cruise speed of 10,5 km/h at WMO sea state 2 and a maximum wind speed of 19 km/h. As with all previous versions of the ALIGATOR II family of vehicles, ballistic protection of the hull is based on modularity. Starting at STANAG 4569 Level 1 and upgradable via addons up to Level 3. Thanks to its unique properties this vehicle is suitable as a platform for a wide range of deployments such as command, surveillance, reconnaissance, observation, weapons station, CBRN and police.





## BASIC TECHNICAL PARAMETERS

*The fully amphibious properties are based on a unique mono-coque hull design with integrated water jets. The vehicle is capable of sustaining a cruise speed of 10,5 km/h at WMO sea state 2 and a maximum wind speed of 19 km/h.*

Type / Class	<b>4x4 amphibious armoured wheeled transporter</b>
Main features	<b>fully amphibious, 3 or 5 doors, left hand drive (right hand optional)</b>
Seating	<b>2 to 8 seats based on the requirements</b>
Dimensions	
Length	<b>6 380 mm</b>
Width	<b>2 580 mm</b>
Height	<b>2 590 mm</b>
Track	<b>2 054 mm</b>
Ground clearance	<b>400 mm</b>
Weight	<b>Combat 11 000 kg   Payload 1 542 kg   Unloaded 9 458 kg</b>
Floating properties	
Cruise speed	<b>forward 10,5 km/h   reverse 2,5 km/h</b>
Maximum wave height	<b>WMO sea state 2 (max. wave height 0,30 m)</b>
Maximum wind speed	<b>Beaufort scale 3 (max. wind speed 19 km/h)</b>
Propulsion	<b>2 x 75 kW propeller jets</b>
Driving properties	
Speed (tarmac, concrete, etc.)	<b>130 km/h sustainable</b>
Range (tarmac, concrete, etc.)	<b>minimum 800 km</b>
Gradient	<b>100%</b>
Obstacle overcoming	<b>side slope 40°   trench 0,85 m   vertical 0,40 m</b>
Turning radius	<b>tracked 7,8 m   shaped 8,2 m</b>
Fording (without preparation)	<b>1,6 m</b>
Ballistic protection	<b>STANAG 4569 Level 1   Level 2 or Level 3 with add-ons</b>
Mine protection	<b>STANAG 4569 Level 1</b>
Engine	<b>EURO 3 inline six cylinder, diesel, turbo charged, liquid cooled</b>
Max. power output & torque	<b>180 kW / 2 500 rpm   925 Nm @ 1 200 to 1 700 rpm</b>
Displacement	<b>6 700 cm<sup>3</sup></b>
Gear box	<b>automatic   6 gears forward   1 gear reverse</b>
Axles & Differentials	<b>independent axles   cooled differentials</b>
Brakes	<b>twin circuit, power assisted, hydraulic control</b>
Tyres	<b>tubeless with run flat and CTIS</b>
Steering	<b>hydraulic steering system</b>
Electrical system	<b>24V CAN BUS with diagnostic system</b>