



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	4x4 amphibious armoured wheeled transporter
Main features	fully amphibious, 3 or 5 doors, left hand drive (right hand optional)
Seating	2 to 8 seats based on the requirements
Dimensions	
Length	6 380 mm
Width	2 580 mm
Height	2 590 mm
Track	2 054 mm
Ground clearance	400 mm
Weight	Combat 11 000 kg Payload 1 542 kg Unloaded 9 458 kg
Floating properties	
Cruise speed	forward 10,5 km/h reverse 2,5 km/h
Maximum wave height	WMO sea state 2 (max. wave height 0,30 m)
Maximum wind speed	Beaufort scale 3 (max. wind speed 19 km/h)
Propulsion	2 x 75 kW propeller jets
Driving properties	
Speed (tarmac, concrete, etc.)	130 km/h sustainable
Range (tarmac, concrete, etc.)	minimum 800 km
Gradient	100%
Obstacle overcoming	side slope 40° trench 0,85 m vertical 0,40 m
Turning radius	tracked 7,8 m shaped 8,2 m
Fording (without preparation)	1,6 m
Ballistic protection	STANAG 4569 Level 1 Level 2 or Level 3 with add-ons
Mine protection	STANAG 4569 Level 1
Engine	EURO 3 inline six cylinder, diesel, turbo charged, liquid cooled
Max. power output & torque	180 kW / 2 500 rpm 925 Nm @ 1 200 to 1 700 rpm
Displacement	6 700 cm³
Gear box	automatic 6 gears forward 1 gear reverse
Axles & Differentials	independent axles cooled differentials
Brakes	twin circuit, power assisted, hydraulic control
Tyres	tubeless with run flat and CTIS
Steering	hydraulic steering system
Electrical system	24V CAN BUS with diagnostic system