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# AAAB ARMORED AMPHIBIOUS ASSAULT BRIDGE

**ARMORED AMPHIBIOUS ASSAULT BRIDGE SYSTEM FOR A RANGE OF  
“WET WIDE GAP CROSSING” CAPABILITIES**



## AAAB ARMORED AMPHIBIOUS ASSAULT BRIDGE

### OVERVIEW

*The AAAB System is a bridge and ferry system designed for Turkish Armed Forces' for rapid and safe wet gap crossing capabilities.*

With its diesel engine, automatic transmission, pneumatic suspension and hydraulic brake system, the AAAB can climb up to 50% gradient and move on 30% side slope. The features of the AAAB when compared with the similar systems are; 8x8 drive system with all wheel steering, 4ea ramp carrying capacity, ballistic protected crew cabin and positive pressure NBC protection system. The vehicle also has a front and rear cameras to enhance situational awareness and adjustable ride height control suspension system which provides a better maneuverability in cross country.

The AAAB has two water pump jets that provides high maneuverability at water operations. The system can operate in water currents up to 2.5 m/s.

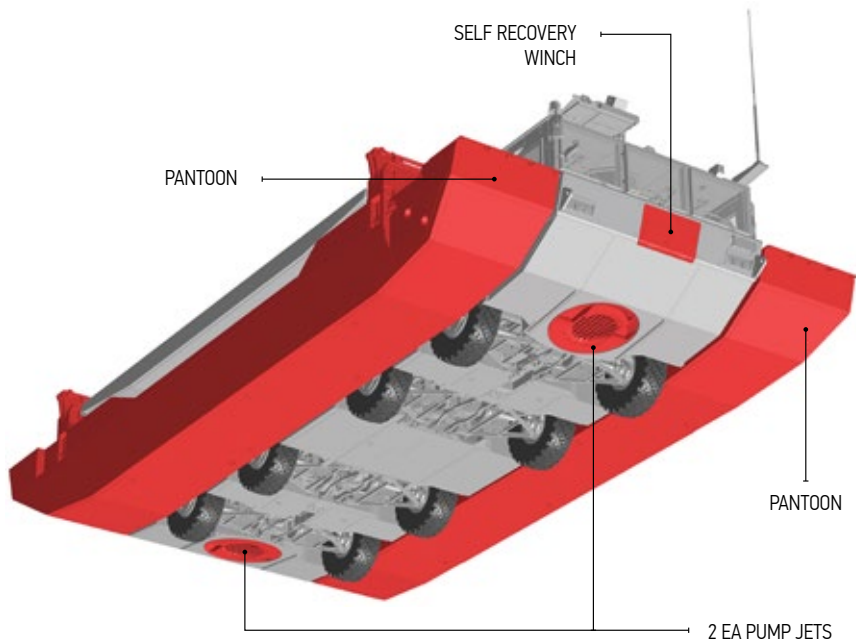
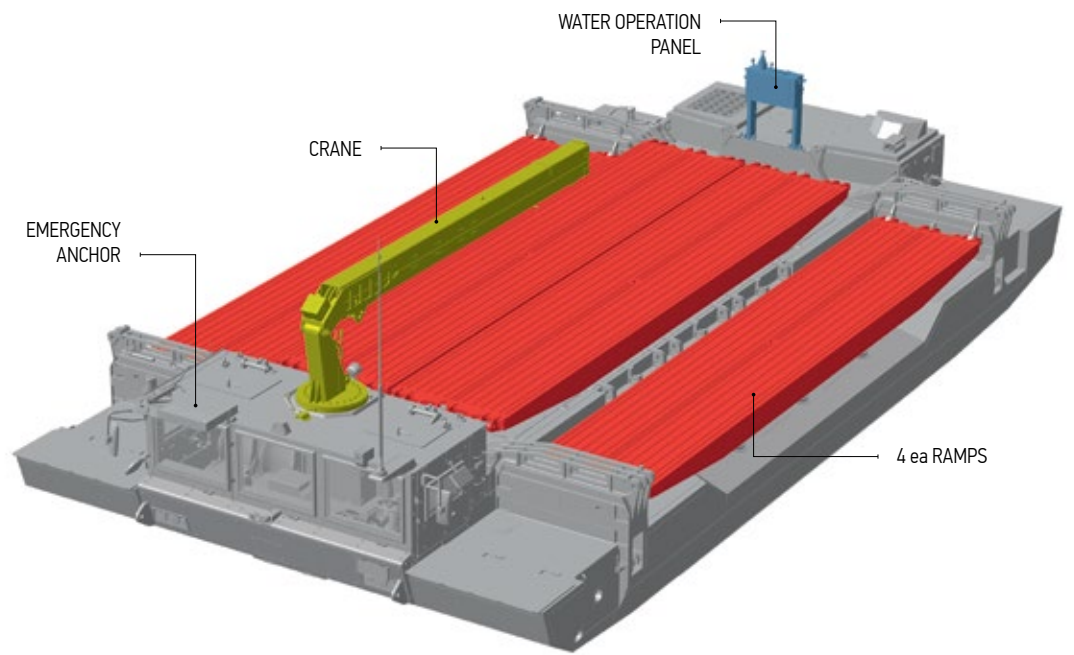
As a ferry, the AAAB system can transport a MLC 21 tracked vehicle. Two bay ferry AAAB is capable of carrying MLC70 T vehicles. By deploying the ramps, which are carried by AAAB's hydraulic crane, by coupling three AAABs from ramp to ramp MLC100 W vehicles can be transported on rivers or lakes.

When 12 each AAAB systems coupled together from ramp to ramp, it can form a 150 m bridge with a capacity of crossing to MLC100 W and MLC70 T vehicles.

For specific missions numerous AAABs can be coupled together to cross wider distances.

AAAB system is also fitted with a self-recovery winch, automatic fire suppression system, emergency anchor and easy fault detection with CAN-BUS system.





# AAAB

## ARMORED AMPHIBIOUS ASSAULT BRIDGE

### AAAB TECHNICAL SPECIFICATION

Data subject to change without notice.

GENERAL	
Weight	36.000 kg
Engine	Diesel
Transmission	Fully Automatic 6 Forward 1 Reverse
Crew	3
Vehicle Classification	MLC 36
Length	13 m
Width	3.5 m
Height	4.1 m
Ground Clearance	0 to 65cm (Adjustable)
Power Pack Compliant with NATO Single Fuel Concept	Aviation F34 Fuel, JP8
Number of Axles	4
Driven Axles	All
Steered Axles	All
Transfer Box	2 speed
Suspension	Double Wishbone, Independent, Air Suspension
Electrical System	
Batteries	2 x 12 V, 120 Ah (C20)
Alternators	Brushless, Self Excite 2x140 A
Brake System	
Service	Hydraulic with ABS at Each Wheel
Parking	Integral to Driveline, Spring Activated, Hydraulically Released
Tire Type	
With Run Flat	
2 Bay Ferry Payload (Max Single Load)	MLC 70 (Tracked)
3 Bay Ferry Payload (Max Single Load)	MLC 100 (Wheeled)
Bridge Payload (Max Single Load)	MLC 70 (Tracked) and MLC 100 (Wheeled)

MOBILITY	
Max. Road Speed	50 km/h
Swimming (Loaded)	10 km/h (with 2 ea Pump Jets)
Range	600+ km
Gradient	50%
Side Slope	30%
Vertical Obstacle	0.50 m
Trench	2 m
Turning Radius	12 m (Centerline)

