



# AAAB

## ARMORED AMPHIBIOUS ASSAULT BRIDGE

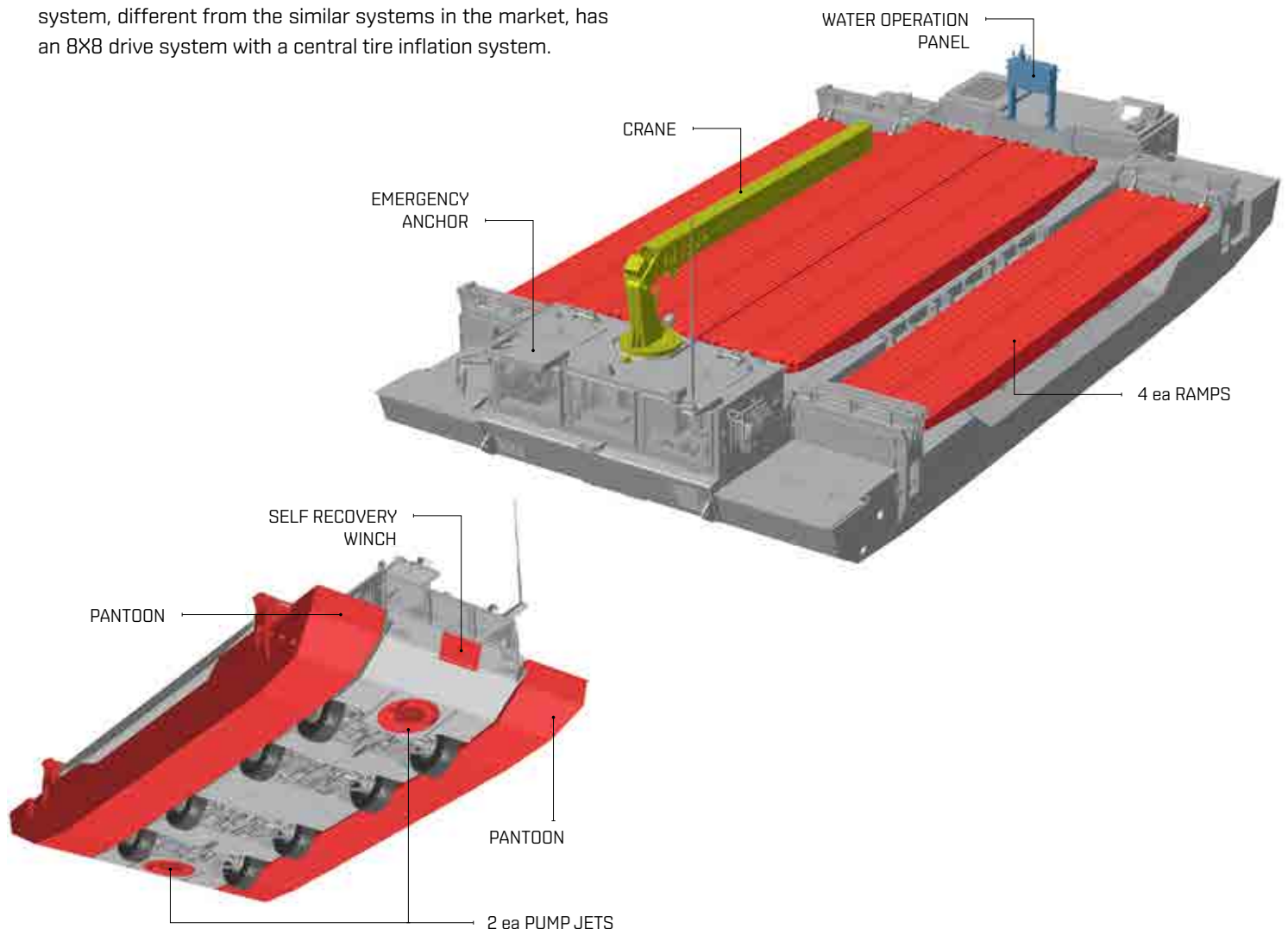
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### OVERVIEW

*The AAAB System is a bridge and ferry system designed for Turkish Armed Forces' for fast and safe transport of land vehicles through the rivers in the battlefield.*

With its diesel engine, automatic transmission, pneumatic suspension and hydraulic brake system, the AAAB system can climb up to 50% gradient and move on 30% side slope. The system, different from the similar systems in the market, has an 8X8 drive system with a central tire inflation system.

The AAAB system has two water pump jets that provide the water operations and 360° movements in the water. The system can operate in water currents up to 2.5 m/s.





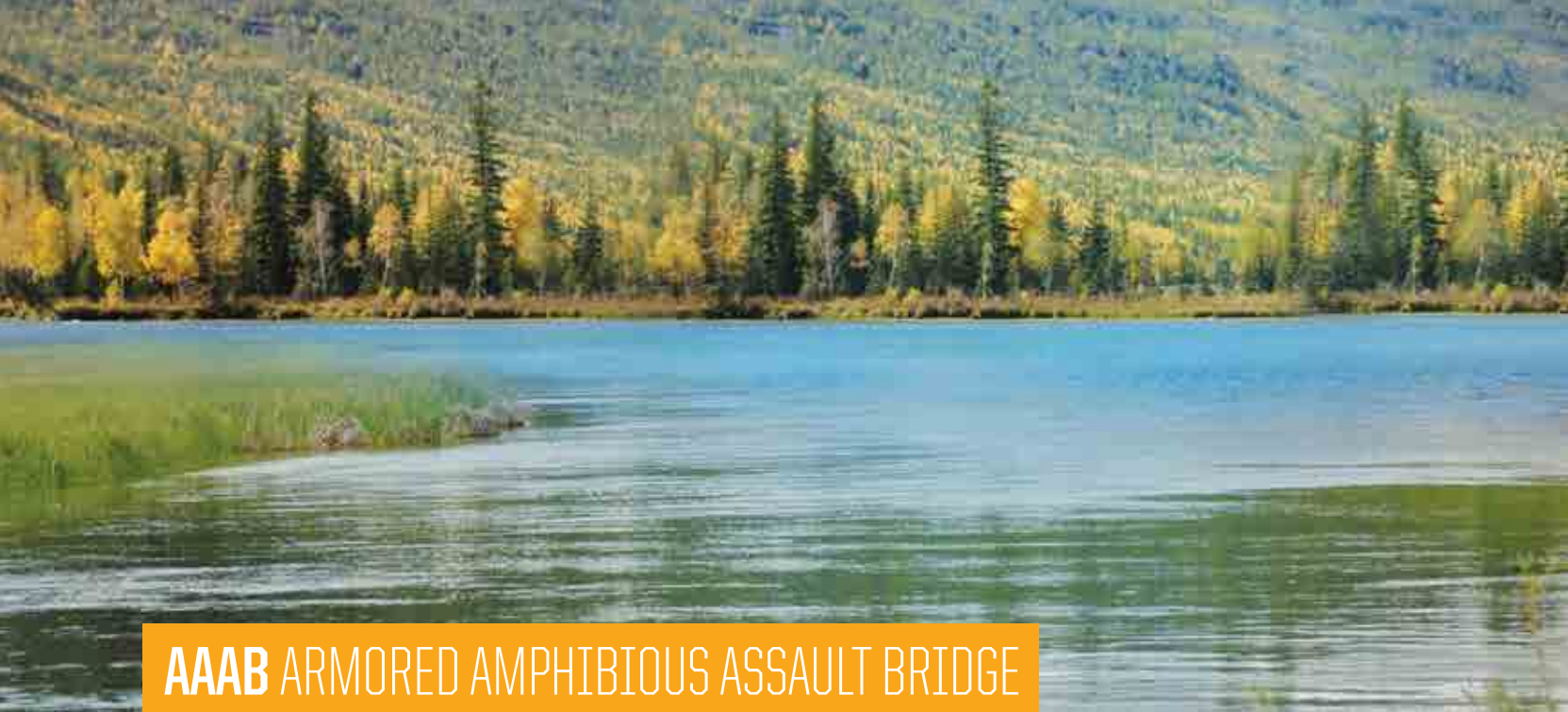
## AAAB TECHNICAL SPECIFICATIONS

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)

Data subject to change without notice.





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### OVERVIEW

As a ferry, the AAAB system can transport a MLC 21 tracked vehicle. By deploying the ramps, which are carried by a hydraulic crane, and joining two systems, a MLC 70 T vehicle can be transported. By coupling three systems from ramp to ramp a MLC 100 W vehicle can be transported through a river. As well as the role as a ferry, 12 AAB systems can be coupled and constructed as a 150 m long bridge for crossing of vehicles up to MLC 100 W. More vehicles can be coupled depending on the requirement.



For the safety issues, AAAB system has a self recovery winch, an automatic fire suppression system, a fixed fire extinguishing system, portable fire extinguishers, and positive pressure NBC system.

***The AAAB system has some additional standard specifications among its kind. It can carry 4 ramps on a single system. AAAB system has also standard anchoring system (both emergency and land anchoring systems), ballistic protection, and easy fault detection with CAN system.***

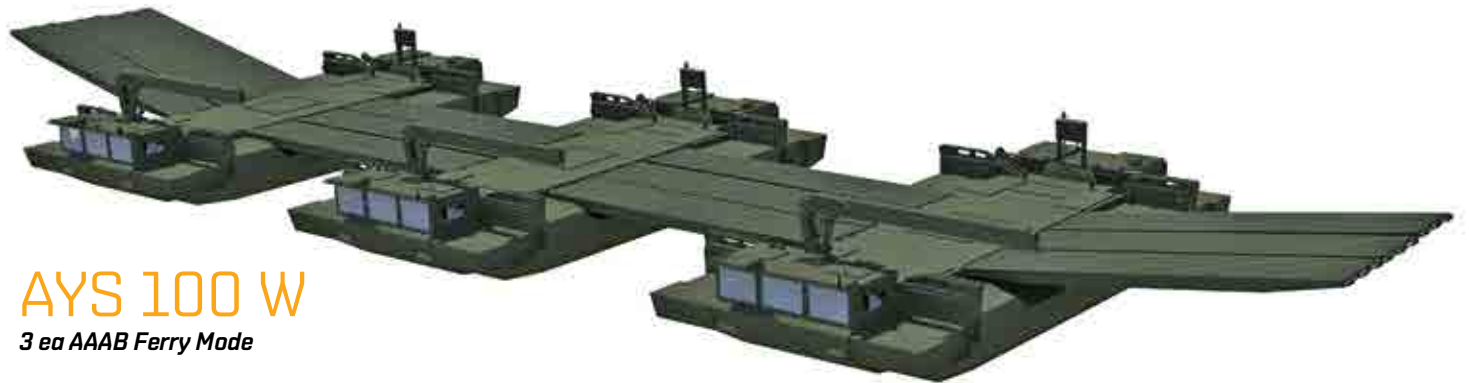




**MLC 21 T**  
*Single AAAB Ferry Mode*



**MLC 70 T**  
*2 ea AAAB Ferry Mode*



**AYS 100 W**  
*3 ea AAAB Ferry Mode*



**MLC 70 T & MLC 100 W**  
*150 m Bridge Configuration with 12 ea AAAB*