



AAAB ARMORED AMPHIBIOUS ASSAULT BRIDGE

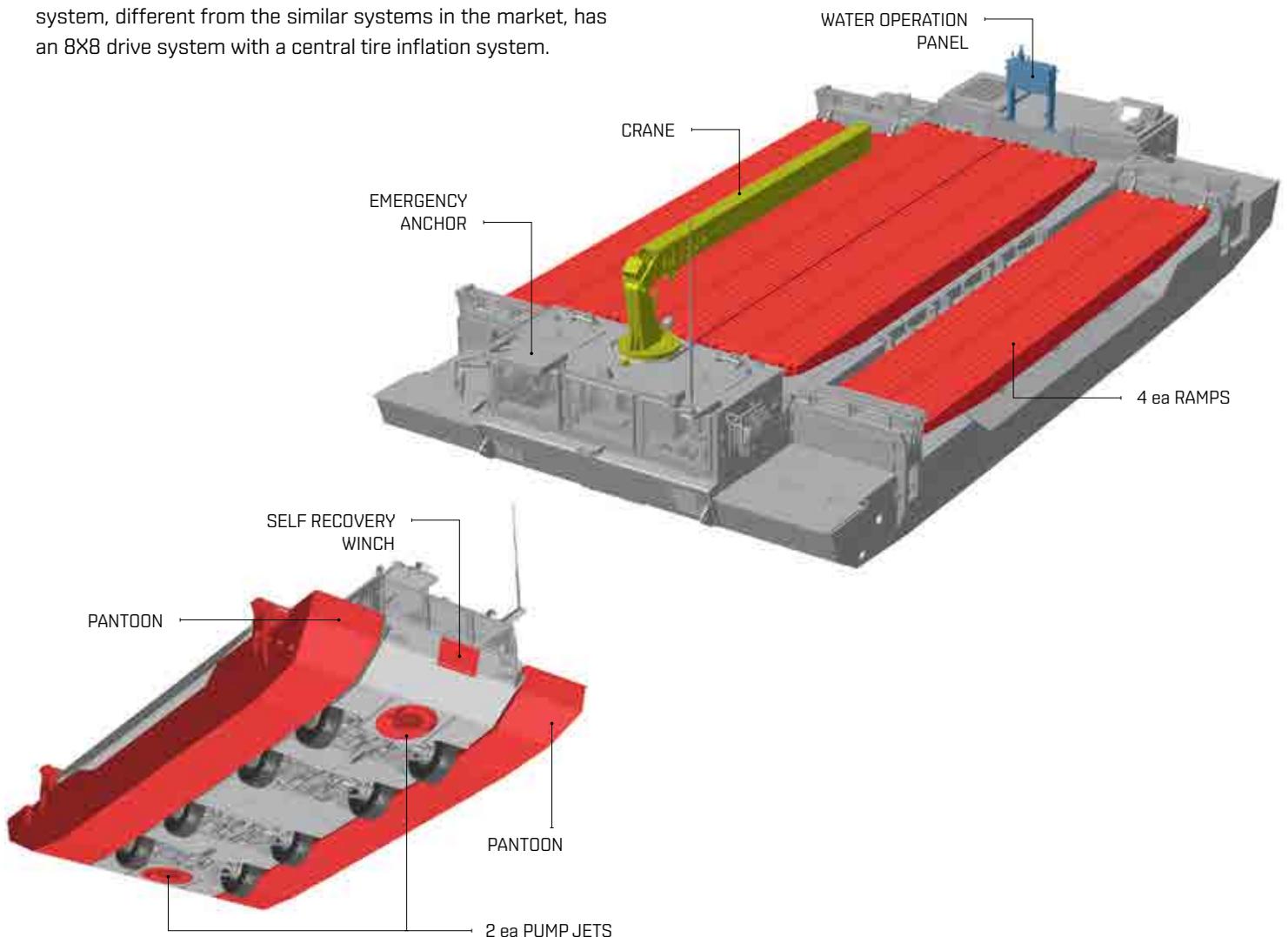
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OVERVIEW

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.



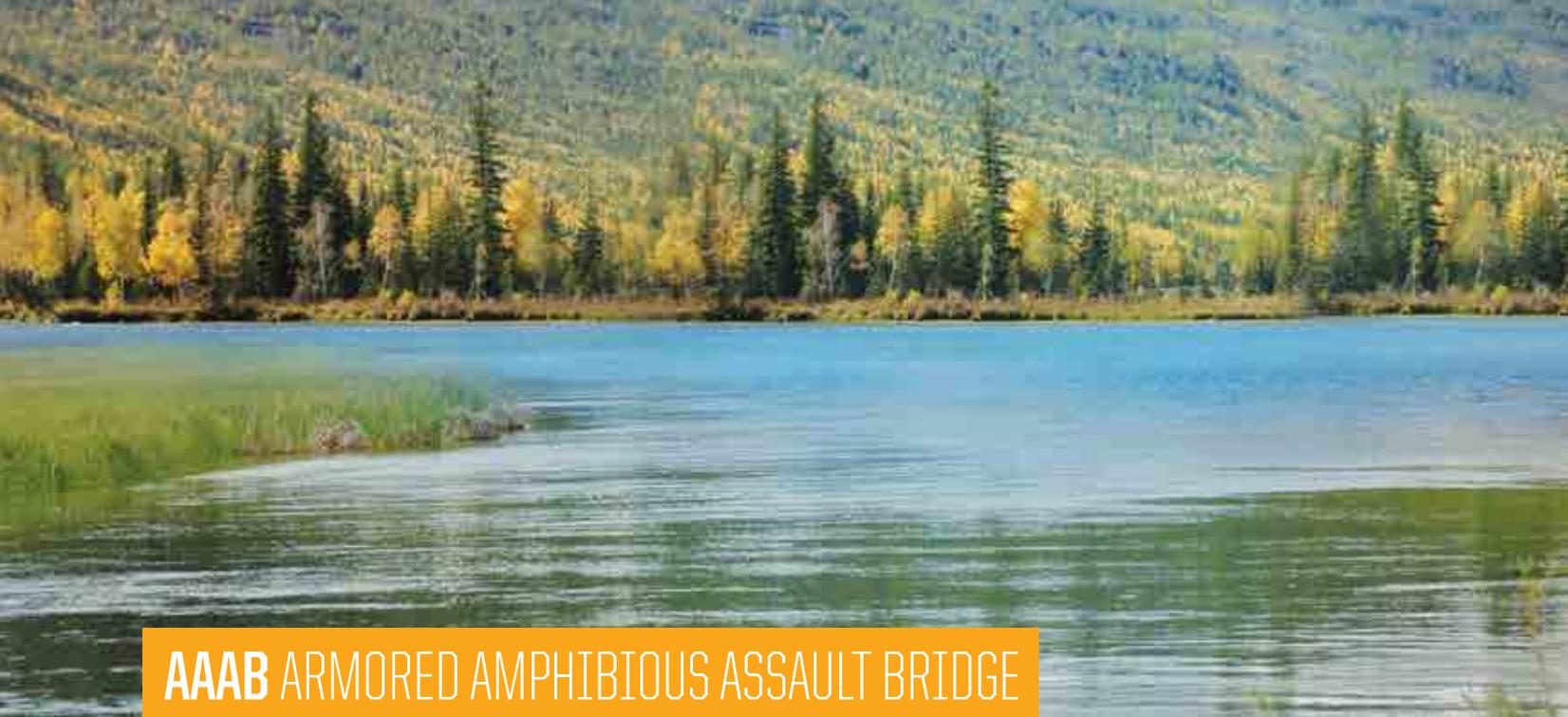


AAAB TECHNICAL SPECIFICATIONS

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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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.

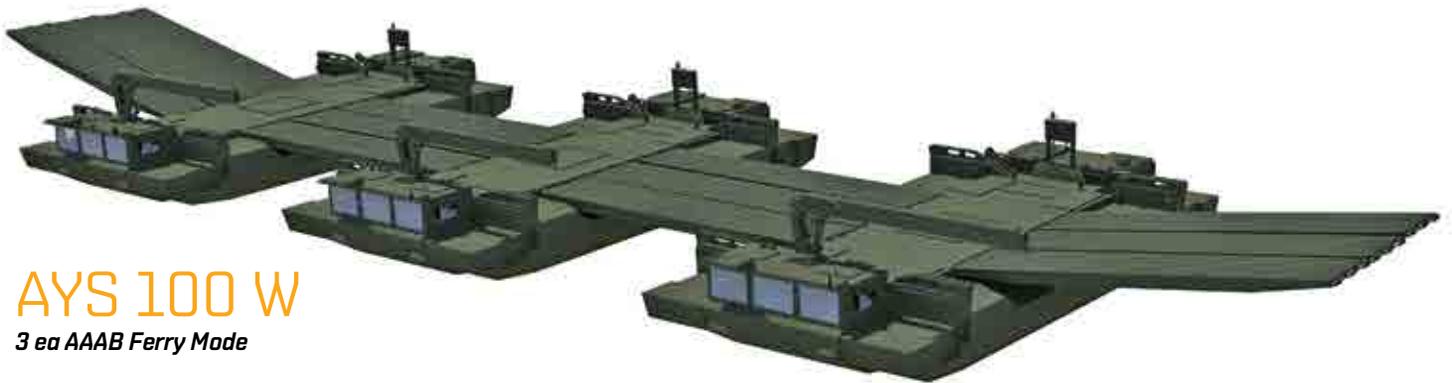




MLC 21 T
Single AAAB Ferry Mode



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