

AAAB

ARMORED AMPHIBIOUS ASSAULT BRIDGE



Main Features

- Water propulsion by two 360° steering water pump jets
- Operable in water currents up to 2,5 m/s
- All wheel drive
- All wheel steering (electronically controlled steer by wire system for rear 2 axes)
- Ride height control (electronically controlled, selectable modes for on road, off road)
- Differential and longitudinal locks
- Retractable axles for water operation
- Anti lock Braking System (ABS)
- Central Tire Inflation System (CTIS)
- Traction Control (TC)
- Self recovery winch
- NBC and ballistic protected driver's cabin
- Land and emergency anchoring systems
- Radio and intercom systems
- Distributed vetronics architecture (CAN bus structure)
- On board diagnostics system
- Automatic bilge pumps with manual override



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Specifications

Technical

Engine	522 hp (390 Kw) Diesel Fully Automatic
Transmission	6 Forward 1 Reverse
Power to Weight Ratio	14,3 hp/ton
Power Pack Compliant with	
NATO Single Fuel Concept	Aviation F34 Fuel, JP8
Number of Axles	4
Driven Axles	All
Steered Axles	All
Suspension	Double wishbone, Independent, Air Suspension
Electrical System	
- Batteries	2 x 12 V, 120 Ah (C ₂₀)
- Alternators	Brushless, Self Excite 2x140 A
Brakes	
- Service	Hydraulic with ABS at Each Wheel
- Parking	Integral to Driveline, Spring Activated, Hydraulically Released
Tire Type	Heavy Duty 16.00 R20 with Run Flat

Performance

Max. Road Speed	50 km/h
Swimming	10 km/h (with 2ea pump jets)
Range	600+ km
Gradient	50%
Side Slope	30%
Vertical Obstacle	0.50 m
Trench	2 m
Turning Radius	12 m (centerline)
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) & MLC 100 (Wheeled)

General

Crew	3
Weight	36,500 kg
Vehicle Classification	MLC 36
Length	13 m
Width	3.5 m
Height	4.1 m
Ground Clearance	0 to 65cm (adjustable)

The information given above is based on a standard vehicle configuration. The information is variable depending on user requirements. Please also notify that , data subject to change without notice.