

BOXER Repair and Recovery Vehicle RRV

The mission changes – so does BOXER



Since operational and tactical mobility is an essential characteristic of the Medium Forces, the operation of recovery vehicles alongside and at pace with other vehicles is crucial.

The BOXER Repair and Recovery Module is designed to provide enhanced recovery capability in the field, enabling the repair and recovery of disabled BOXERs and other armored vehicles. It can also be used to remove or install a Mission Module onto a Drive Module or exchange power packs and other heavy parts. The synergetic operation of crane and winch further allows complex recovery missions. Operation is possible from the crew department or remote controlled from outside the vehicle. The BOXER Repair and Recovery Vehicle provides space for two crew members, Driver/Operator and Commander. Control and monitoring of all systems is conducted centrally via touchscreen displays and proprietary software.

To provide some stability and simultaneously relieve the Drive Module of the associated stress, the BOXER Repair and Recovery Vehicle RRV has outriggers at the sides, which retract into the Mission Module not exceeding the vehicle width when stowed, and an earth anchor blade at the rear. All hydraulic functions can be remotely controlled.

The BOXER Repair and Recovery Vehicle RRV is equipped with onboard cutting and welding station inclusive recovery tools.

In addition to high flexibility and mobility BOXER Repair and Recovery Vehicle RRV provides its crew with extraordinary survivability and superior protection against mines (AT, AP), IEDs, highest ballistic threats (incl. artillery fragments), NBC threats and detection (radar, noise) like all other BOXER versions.



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Product data

Key figures

Maximum speed	> 100 km/h
Engine capacity (ISO)	up to 600 kW (816 hp)
Engine type	MTU V8 199TE20/21
Range	> 1,000 km
Electrical system	24 V DC, up to 540 A
Max. gross vehicle weight	up to 38.5 t
Max. straight gradient	60 %
Max. slope gradient	30 %
Trench crossing	2.00 m
Step climbing ability	0.80 m
Turning radius	7.50 m (skid steering)
Length	8.00 m
Width	2.99 m
Height (hull roof)	3.00 m
Ground clearance	0.50 m
Protected volume	> 3.50 m ³

Exemplary Options

Remote Controlled Weapon Station
 Mobile Camouflage System
 Multispectral Drivers Assistance System for day and night
 Kit for enabling stand-alone operation of the Mission Module

Characteristics

Crew: 2 (driver/operator, commander)
 Air conditioning and NBC-protection systems
 Fire extinguishing system in engine compartment and fire suppression system in crew compartment
 20 t Crane capable to lift Boxer Mission Module and Power Pack
 Recovery Winch:
 • 165 m rope of high-strength synthetic fibre
 • Standard pull (1:1) 22 t @max. 150 m
 • Maximum pull (3:1) > 60 t @max. 50 m
 Operation from crew compartment and remote from outside
 Protected crew compartment
 Simultaneous operation of winch and crane for complex recoveries
 Emergency hydraulics in the event of electronic failures
 Onboard cutting and welding station incl. recovery tools
 All hydraulic functions can be remotely controlled
 Multispectral Drivers Assistance System for day and night

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