

Infantry Fighting Vehicle RCT 30

The mission changes – so does BOXER



The Infantry Fighting Vehicle (IFV) variant of BOXER with the remote controlled turret RCT30 represents one of the most modern wheeled IFV's. Excellent firepower and high mobility are essential to asserting oneself in high-intensity conflicts and offers the possibility for escalation and de-escalation in all other deployment scenarios. In BOXER RCT30, this capability is achieved by the firepower of the turret as being operated by the German Army in the tracked IFV PUMA in combination with the high mobility and the high protection level of the BOXER.

The fully-stabilized, state-of-the-art remote-controlled turret with cutting-edge optical and optronic visibility allows the entire crew for 360° all-round observation, detection and identification of long range targets. The stabilised 30 mm machine cannon allows for accurate engagement of moving targets, even when driving. Two different ammunition types in the turret provide for a mission-based fire fight at the push of a button. With the latest C4I architecture, BOXER RCT30 can be fully integrated into the existing battlefield management system and allows for the updating of navigation and tactical information from infantry soldiers with various interface functions for a networked command.

The modular design of BOXER allows for flexible adaptation to future military tasks or changing requirements, due to its uniform Drive Module and a large number of specific, rapidly interchangeable Mission Modules.

In addition to its underlying performance, BOXER RCT30 provides its crew with extraordinary survivability and protection against mines (AT, AP), IEDs, corresponding ballistic threats (incl. artillery fragments), NBC threats and detection (radar, noise, solar loading) in addition to its superior firepower.



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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	2.0 m
Step climbing ability	0.8 m
Turning radius	7.5 m (skid steering)
Length	7.93 m
Width	2.99 m
Height (turret roof)	3.51 m
Ground clearance	0.5 m
Protected volume	14 m ³

Characteristics

Crew	3 + 7 (driver, commander, gunner, up to 7 dismounts)
Main armament	Stabilized MK30-2/ABM (Air Burst Munition)
Elevation	-10° up to +45°
Azimuth	n x 360°
Max. effective range	up to 3,000 m
Rate of fire	up to 200 rounds per minute
Ammunition	30 mm x 173 mm (dual feed automatic)
Secondary armament	7.62 mm x 51 mm MG5 coaxial machine gun
Anti-Tank Guided Missile Launcher SPIKE LR	
Air conditioning and NBC-protection systems	
Fire extinguishing system in engine compartment and fire suppression system in crew compartment	

Exemplary Options

Modular protection kits (ballistic, bomblets, IEDs, mine, RPG)
Active Protection System
360° Situational Awareness System
Electronic Countermeasure (ECM)
Automatic Target Recognition and Target Tracking
Laser Warning System
Additional Remote Controlled Weapon Station
Multispectral Drivers Assistance System for day and night

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