

Infantry Fighting Vehicle LANCE

The mission changes – so does BOXER



The Infantry Fighting Vehicle (IFV) BOXER LANCE represents one of the most modern wheeled IFV currently available on the market. BOXER's superior level of protection, excellent cross country mobility and the latest modular turret technology enables BOXER LANCE to dominate the modern battlefield.

BOXER LANCE is operated by a crew of 3 and can carry up to 4 (or 6) dismounts. Its design philosophy of modular Mission Module and LANCE turret system allows for maximum versatility and performance on a common BOXER Drive Module.

This IFV variant is armed with the famous Rheinmetall MK30-2 dual feed medium calibre cannon with air burst capability and can carry two additional ready-to-fire SPIKE anti-tank guided missiles.

The manned LANCE turret offers a variety of optional configurations including an independent commander's sight for hunter-killer or even killer-killer capability by the integration of a secondary Remote Control Weapon Station and features:

- Fully stabilised 30mm Rheinmetall MK30-2 machine cannon with air burst capability (also suitable for other types and calibres),
- 7.62 mm x 51 mm coaxial machine gun,
- integrated fully digital stabilised fire control system supporting integrated armament and
- best protection of the crew (completely in Mission Module), best overview (closed and open hatch operations).

BOXER LANCE provides its crew with extraordinary survivability and protection against mines (AP, AT), 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	2.00 m
Step climbing ability	0.80 m
Turning radius	7.50 m (skid steering)
Length	7.93 m
Width	2.99 m
Height (turret roof)	3.24 m
Ground clearance	0.5 m
Protected volume	16 m ³

Exemplary Options

Modular protection kits (ballistic, bomblets, IEDs, mine)
Active Protection System
360° Situational Awareness System
Electronic Countermeasure (ECM)/Jammer
Laser Warning System
Anti-Tank Guided Missile Launcher SPIKE LR
Additional Remote Controlled Weapon Station

Characteristics

Crew	3 + 4(6) (driver, commander, gunner, up to 4(6) dismounts)
Main armament	Stabilized 30 mm Rheinmetall MK30-2 cannon with Air Burst capability
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 coaxial machine gun
Air conditioning and NBC-protection systems	
Fire extinguishing system in engine compartment and fire suppression system in crew compartment	

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