

# Infantry Fighting Vehicle LANCE

The mission changes – so does BOXER



The Infantry Fighting Vehicle (IFV) variant of BOXER with the manned LANCE turret represents one of the most modern wheeled IFV's currently on the market. BOXER's superior level of protection, excellent all-terrain mobility and the latest modular turret technology enables it to fight, survive and win on the battlefields of today and tomorrow.

BOXER IFV LANCE, armed with a medium calibre machine canon, is in tune with BOXER's modular design philosophy of Drive Module, Mission Module and turret system for maximum versatility and performance.

It ensures maximum operational flexibility and adaptable capabilities for current requirements and future upgrades in evolving threat environments.

BOXER IFV LANCE is operated by a crew of 3 and is capable to carry up to 8 dismounts, depending on the Mission Module configuration. There are also a variety of different options and configurations for the turret system, offering hunter-killer/killer-killer capability. The Commander's Remote Control Weapon Station offers:

- Stabilized 30 mm MK-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 stabilized fire control system supporting integrated armament,
- best protection of the crew (completely in Mission Module), best overview (closed and open hatch operations).

In addition to its underlying performance, BOXER IFV LANCE provides its crew with extraordinary survivability and protection against mines (AT, 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
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)	3.24 m
Ground clearance	0.5 m
Protected volume	16 m <sup>3</sup>

### Characteristics

Crew	3 + 8 (driver, commander, gunner, up to 8 dismounts)
Main armament	Stabilized MK30-2/ABM (Air Burst Munition, 35 mm possible)
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 (engine) and suppression system (Mission Module)	

### Exemplary Options

Modular protection kits (ballistic, bomblets, IEDs, mine)
Active Protection System
360° Situational Awareness System (incl. support functions e.g. Automatic Target Recognition and Target Tracking)
Identification Friend or Foe
ECM/Jammer
Laser Warning System
Anti-Tank Guided Missile Launcher SPIKE LR
Additional Remote Controlled Weapon Station

# ARTEC

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