

Skyranger® 30

The mission changes – so does BOXER



BOXER Oerlikon Skyranger® 30 (Skyranger 30) is a highly mobile air defence variant including active and passive search and tracking sensors and a powerful, autonomous shooter with both gun and missiles. It is capable of engaging modern battlefield threats with a special focus on small-unmanned aerial targets and combines superior firepower with the dynamics and elevation needed to successfully engage highly agile single or swarming targets performing loiter, pop up or dive attacks.

BOXER Skyranger 30 continuously monitors the surrounding air space with active (3D AESA radar) and passive infrared (FIRST) sensors. In addition to its own air picture, targets from external search radars or higher order control systems can be received and processed. The integrated fully stabilised, high-resolution electro-optical sensor unit allows reliable target tracking and visual identification. The high level of automation makes this variant effective and easy to use. The integrated 30 mm Oerlikon Revolver Cannon® KCE-ABM provides best of class firepower and accuracy. Combined with the Oerlikon Air Burst Munition (ABM) technology, the gun achieves a high hit probability against the smallest targets. To achieve longer ranges, SHORAD missiles can be integrated easily.

The integrated turret is remote controlled and can be protected up to STANAG level 4 as well as the crew hatch.

In addition to high flexibility and mobility, BOXER Skyranger 30 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, solar loading).



Skyranger® 30

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)	3.12 m
Ground clearance	0.50 m
Protected volume	14 m ³

Characteristics

Crew	3 (driver, commander, gunner)
Main armament	30 mm Oerlikon Revolver Cannon® KCE-ABM
Elevation	-10° up to +85°
Azimuth	n x 360°

Effective range	up to 3,000 m (missiles: up to 6,000 m)
Rate of fire	up to 1,200 rds/min (rapid single shot: 200 rds/min)
Ammunition	30 mm x 173 ABM (HEI-T, FAP, TP-T, APFSDS-T)
Secondary armament	7.62 mm machine gun 1.000 rds ready to fire
360° AESA search radar	
Fully stabilized electro-optical sensor unit	
Ballistic protection up to level 4 (STANAG4569)	
Air conditioning and NBC-protection systems	
Fire extinguishing in engine compartment	
2x Rosy smoke grenade launchers	

Exemplary Options

2 integrated SHORAD missiles
Integrated 360° IR-scanner Fast Infrared Search and Track (FIRST)
Ku-band or X-band tracking radar

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