



OERLIKON REVOLVER GUN® MK3

AUTONOMOUS 35 MM AIR DEFENCE GUN WITH RADAR TRACKER

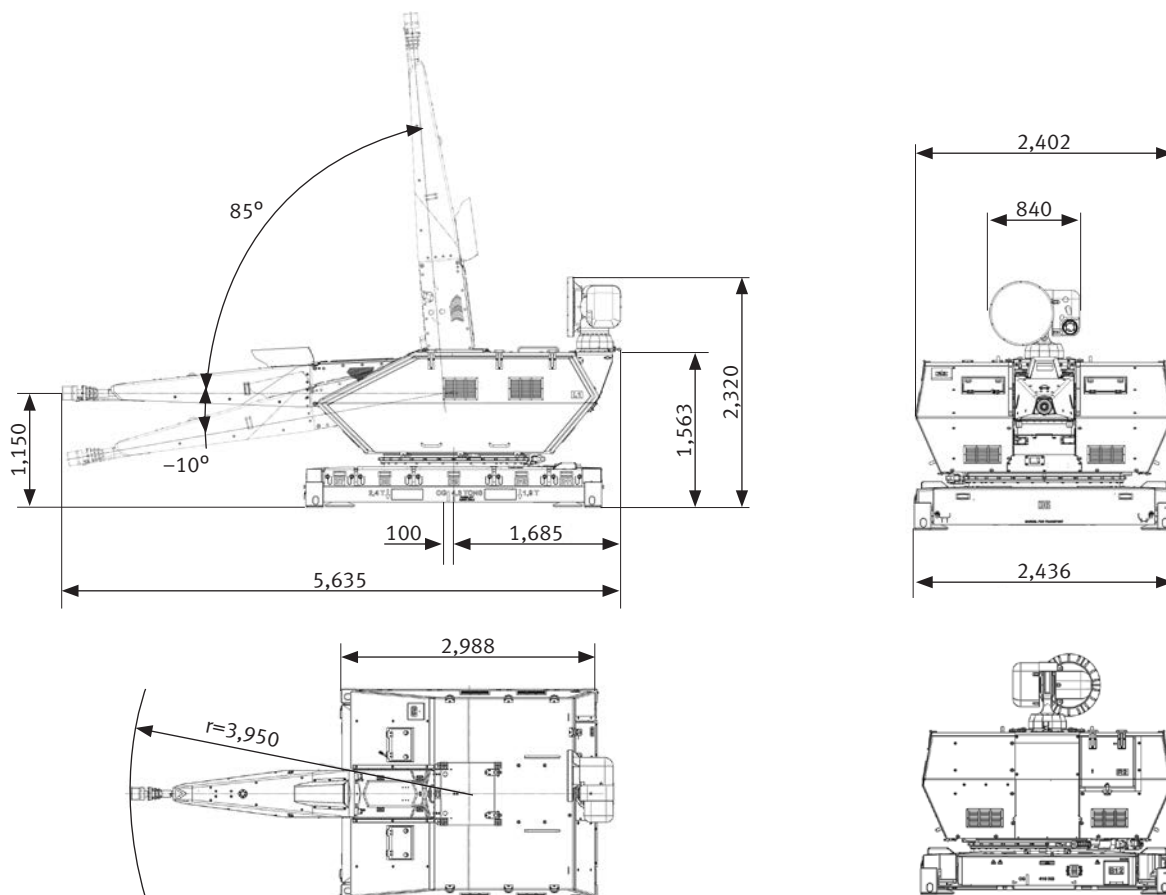
This remote controlled, high precision 35 mm air defence gun with integrated radar tracker and electro-optical sensor unit is a powerful, autonomous shooter capable for various kinds of missions.

The Oerlikon Revolver Gun® Mk3 can receive and process target data from 3D or 2D search radars or higher order control systems. The tracking radar's automatic search pattern makes target handover simple, fast and reliable. The integrated gun control computer manages target tracking and engagement. The electro-optical sensor unit enables visual target identification. Engagement supervision is performed by the higher order command and control centre or via the remote gun console, which can handle up to 8 guns.

The integrated 35 mm Oerlikon Revolver Cannon® provides superior fire power and accuracy. Combined with the Oerlikon Ahead® air burst ammunition the gun achieves a high effectiveness against both, conventional and emerging air threats, including low, slow and small (LSS, UAV), rocket, artillery and mortar (RAM) and missile targets. The cannon and ammunition are fully qualified and in service on land and sea platforms. The Oerlikon Revolver Gun® Mk3 is based on an ISO 1D container compatible platform with retractable hydraulic feet for easy transport and deployment in the field.

MAIN FEATURES

- Remote controlled 35 mm air defence gun
- Effective combat range: up to 4,000 m
- C-RAM capability
- 35 mm Oerlikon Revolver Cannon®
- Nominal rate of fire: 1,000 rds/min
- Rapid single shot mode: 200 rds/min
- Ahead air burst ammunition
- Ready to fire ammunition: 252 rounds
- Remote charge and discharge function
- X-band or Ku-band tracking radar
- Modular electro-optical sensor unit
- Flexible target handover from 2D/3D search radars
- Automatic target handover and tracking
- Remote engagement supervision
- Simple handling and maintenance
- Integrated position locator and north direction finder
- No field alignment required
- Option: Integrated AESA search radar



TECHNICAL CHARACTERISTICS

Cannon

Calibre	35 mm x 228
Nominal rate of fire	1,000 rounds/min
Rapid single shot	200 rounds/min
Mean muzzle velocity Ahead (V_0)	1,050 m/s
Mean muzzle velocity full calibre (V_0)	1,075 m/s
Length of cannon with muzzle brake	4,206 mm
Barrel length (90 cal.)	3,150 mm

Ammunition

Types (NATO Code)	Ahead (KETF)
Programmable	Ahead (KETF)
Standard full calibre	HEI, HEI-T, FAP, TP-T
No. of rounds ready to fire	252

Gun turret

Weight of gun turret w/o ammunition	4,650 kg
Weight of gun turret with ammunition	5,100 kg
Swept radius (barrel 0°)	3,950 mm
Traverse arc	n x 360°
Elevation arc	-10° to +85°
Traverse speed	115°/s
Elevation speed	57°/s

Tracking sensor unit

Tracking radar (TR)	X-band or Ku-band
Instrumented range	30 km
Update rate	50 Hz

EO sensor package

TV camera	HD colour CMOS, 2°–45°
IR camera	Cooled MWIR, 640 x 512 pixels
Laser rangefinder	Eye safe class 1M, 6–10 Hz
Video tracker	Adapted for air and ground targets

Sensor unit motion vs. gun turret:	±150°, -15°...+85°
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Integrated search radar (option)

Search radar (SR):	AESA, S-band or X-band
Instrumented range:	50 km
Spatial coverage:	150°/360°, -15°...+85°

Fire control

Fire control module	GCC35
Automatic target acquisition, detection and tracking	
Remote controlled target engagement	

Operation

Unmanned during operation, set up with 2 operators	
Engagement supervision from remote gun console	

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