


Russian ATGM Launcher Kornet-E

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| |  | <p>Weapons & Ammunition Types</p> <p>ATGM Launcher Total</p> <p>HEAT ATGM HE ATGM</p> | <p>Typical Combat Load</p> <p>3-4</p> |
| <p>Kornet-E system (with Kornet-LR missile)</p> | | | |
| <p>SYSTEM Alternative Designations: Kornet, AT-14 Date of Introduction: 1997-98 Proliferation: At least 3 countries Description: Crew: 2-3 Primary Mount: Ground mount on tripod Alternate Mounts: IFV, APC, ATGM launcher vehicle, jeep Weight Overall, Excluding Missile (kg): 30 with thermal sight (11) Length Overall in Firing Position (m): 1.21 (missile canister) Height Overall In Firing Position (m): INA Width Overall In Firing Position (m): INA</p> <p>ARMAMENT Launcher Name: 9P163 Launch Method: Tube-launched from carrying canister Elevation (°): INA Rate of Launch: (missiles/min): 2-3, depending on range Reaction Time (sec): 1-2 Emplacement Time (min): 1.0 Displacement Time (min): 1.0 Ready/Stowed Missiles: 2 for 2-man crew, 3-4 for 3-man crew</p> <p>FIRE CONTROL FCS Name: INA Guidance: Laser beam rider Command Link: N/A Beacon Type: N/A Tracker Type: N/A Susceptible To Countermeasures: Smoke, counterfire Counter-countermeasures: Encoded laser beam Rangefinder: Not included Sights w/Magnification: Gunner: Day: 1P45-1 elbow sight Field of View (°): INA Acquisition Range (m): 5,500 Night: 1PN79 / Metis-2 thermal sight Field of View (°): INA Acquisition Range (m): 3,500 (ID range 2,500)</p> | | <p>VARIANTS Kornet-E: Export version of the Kornet system includes a light-weight launcher tripod, thermal night sight, and Kornet-LR missile. A version of the system is available for use in hot desert climates (to 60° C). Since Russian KBP began development of a medium-range (2,500 m) version, it divided domestic programs into the following: Kornet-MR: Manportable system with E-type launcher and -MR missile. This missile is not currently fielded. Kornet-LR, portable: System with the -LR missile. Kornet-LR self-propelled: ATGM system on BMP-3 chassis with twin launchers, auto-loader, automated dual-track FCS with dual target trackers, Kredo surveillance radar, and improved FLIR.</p> <p>Kliver: Missile-gun turret upgrade; 1-man turret with 30-mm gun, 7.62-mm MG, automated FCS and 4-tube Kornet ATGM launcher.</p> <p>KBP displayed a prototype overhead weapons module to mount on a variety of vehicles (displayed on a HMMWV). It has dual twin (4-tube) launcher, and a central module with TV/FLIR sights and MG.</p> <p>AMMUNITION Antitank Guided Missiles Name: Kornet-LR Alternative Designation: 9M133 Missile Weight (kg): 27 Warhead Type: Tandem Shaped Charge (HEAT) Armor Penetration (mm): 1,200 Min/Max Range (m): 100/5,500 Probability of Hit (%): 90 Average Velocity (m/s): 550 Time of Flight to Max Range (sec): 22</p> <p>Name: Kornet-MR Alternative Designation: INA Missile Weight (kg): INA Warhead Type: Tandem Shaped Charge (HEAT) Armor Penetration (mm): 1,000 Min/Max Range (m): 100/2,500 Probability of Hit (%): 90 Average Velocity (m/s): INA Time of Flight to Max Range (sec): INA</p> <p>Other Missiles: Kornet-LR HE (thermobaric, 9M133F) Kornet-MR HE (thermobaric).</p> | |

NOTES

By weight, Kornet-MR can be broken down into a portable (marginally manportable) 2-man system, or into a clearly manportable 3-man system. Kornet-LR can be manportable with MR missiles or a larger crew, but generally is only portable (short-distance carry – See AT-3). Medium-range and long-range Kornet missiles are interchangeable among Kornet-LR, -MR, and Kornet-E launcher systems.

