

Sagittarius - Air Defence Vehicle



The Sagittarius Air Defence Vehicle is a multi-role, multi-mission defensive element for protecting mobile units, fixed installations and assault missions from assault by any unarmoured or lightly armoured opposition.

Sagittarius is deployable in orbit, in atmosphere and on any surface. Operating environments from 0-1 GPa pressure, 0-12,000 Kelvin temperature range and sealed against toxic and corrosive fluids. Armour is sealed Mark VI lamina cap-carbide absorbent armour and 8-layer alu-silic supercon fibre capacitance protection with inbuilt atmosphere heat-exchanger. Sagittarius has full emcon systems and active EM shadow and masking.

Operable with a crew of 2, the full complement is 4, allowing for missile reloads in parallel with ongoing operations, permitting continual battle-readiness and no downtime.

Principle armament is provided by 12 vertical launch missile tubes, with provision for a further 12 missiles as reloads. The missiles are Stela AAMs, optimised for atmosphere operation, launch cycles from 25ms, target ranges up to 60km in low atmosphere or 120km anti-orbital. Each missile carries 6 independent warheads with APHE kinetic / explosive effects, wrapped in coil frag-jackets with computer-controlled proximity fusing. A twin QF turret is also mounted, non plasma capable, firing up to 360 pulses per minute between both Imetics.

Power is provided by a sealed, maintenance-free helium-lithium cavitation-fusion reactor. Target tracking is by phased array unit.

