



HIPPO RAPTOR

- **Payload**
- **Mobility**
- **Stealth**
- **Exportable Power**
- **Autonomy**



ANSWERING THE CALL OF DUTY



HIPPO RAPTOR

Payload

The RAPTOR can carry 1000 kg of payload; sufficient to support an infantry platoon for 72 hours. It can tow 2000 kg; sufficient for a 105mm Light Gun.

The RAPTOR can be rapidly reconfigured for a variety of roles:

- Tactical resupply
- CASEVAC
- Fire support (fitted with a remote weapon station)
- C4ISR (e.g., communications rebroadcast, surveillance masts, etc.)
- Route Proving



Mobility

The RAPTOR has excellent strategic, operational and tactical mobility. It can be parachuted using an air despatch platform, internally carried by support helicopter (eg CH-47 and MERLIN), underslung by utility helicopter (eg UH-60), and/or towed at convoy speed. The amphibious RAPTOR has superb terrain accessibility in jungles, mountains, swamps, desert, snow and the urban environment.



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Stealth

The electric drive RAPTOR is powered by batteries. When operating on battery power alone the vehicle has a very low acoustic and thermal signature. The RAPTOR features an integrated diesel/JP8 generator producing 13 kW of DC power. This provides the RAPTOR with a range of 150 km on a single tank of fuel.

Exportable Power

The exportable power feature on the RAPTOR allows dismounted forces to be self sufficient for power. The RAPTOR can be used to directly power a command post or to recharge a rifle company's radio batteries. Power can be used for long range surveillance equipment, Counter-UAS, remote weapon stations, refrigeration (food, medical supplies), etc. A separate 3.8 kWh battery pack allows for long periods of silent watch power without the need to run the integrated generator.

Autonomy

The autonomous RAPTOR can deliver mission essential payloads without exposing a human operator to harm's way. The drive by wire RAPTOR can be fitted with incremental layers of autonomy to meet customer requirements. These include:

- Non line of sight (NLOS) remote control
- Waypoint navigation including obstacle detect, obstacle avoid (ODOA)
- Follow me – lock onto a follow a human operator; allows the soldier to keep both hands on their weapon
- Convoy – lock onto a human driven vehicle and follow at up to 30 km/h



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Technical Specifications

Engine	Kubota D902 Diesel, JP8 compatible
Top Speed Land	35 km/h
Top Speed Water	3 km/h
Range	Battery (silent mode): > 20km Diesel: >150 km
Maximum Payload	1000 kg
Towing Capacity	2000 kg
GVW	2700 kg
Curb Weight	1700 kg
Length Width Height	3.65m 1.63m 1.2m
Payload Deck	2.46m x 1.47m



Scan to watch the
RAPTOR in action.



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