

# HDT HUNTER WOLF®

*The highly maneuverable, endlessly adaptable unmanned vehicle*



The HDT Hunter WOLF is purpose-designed to support light infantry. Compact and powerful, it carries 2,800 pounds and it goes where manned vehicles cannot – traversing narrow trails, steep slopes and dense jungles. An extremely rugged 6x6 robot, the WOLF has the traction and pivot-turn capability of a tracked vehicle, but it runs on easy-to-maintain Michelin non-pneumatic Tweels®.

The hybrid diesel / electric drivetrain has enough battery power for the WOLF to silently carry a full payload more than 8 miles offroad. By recharging on the move with its internal diesel / JP-8 engine, it can carry a full payload more than 200 miles offroad, using only internal fuel. Its powerful engine means the WOLF is never forced to stop for recharging and is always 100% mission-ready.

The Hunter WOLF's powerful drivetrain also outputs 15kW of electrical power for payloads. Some customers consider it to be a self-propelled 15kW generator, which also fits in a V-22 and carries 2,800 pounds.

Easily configured for different missions, and built to open standards, the MOSA-designed Hunter WOLF can be fitted with a wide variety of autonomy kits, and complies with the Army's Robotics & Autonomous Systems – Ground Interoperability Profiles (RAS-G IOP) open architecture interoperability standard. Each WOLF also has hardpoints on every surface to attach heavy payloads.



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## KEY FEATURES

- Rugged design, developed for demanding conditions
- 29 ft<sup>2</sup> (2.7 m<sup>2</sup>) deck area
- Carries 2,800 lbs (1,270 kg) off-road more than 200 miles (300 km) using the internal battery and JP-8 or diesel hybrid drivetrain. Optional long-range fuel tank increase range to over 600 miles (1,000 km).
- Front and back NATO export power connections (28VDC)
- Exports up to:
  - 800 W at 120/230VAC continuous
  - 5 kW at 28VDC continuous
  - 15 kW at 100VDC continuous
  - 15 kW at 120/240VAC 60 hz using inverter kit continuous
  - 100 kW at 100VDC peak for several minutes
- IRAS-G IOP (v6) interface for third-party controllers and autonomy
- Hybrid / electric powertrain with silent operation mode
- Flat-towable at up to 45 mph (70 kph) with standard military towbar
- Minimal requirements for field maintenance, due to its rugged construction, low engine duty cycle and sealed drivetrain components.



## MODULAR MISSION PAYLOADS



### MOBILE WATER PURIFICATION

The mobile water purification kit produces 240 liters per hour (60 gph) from fresh water sources or 120 liters per hour (30 gph) from saltwater sources.



### INTELLIGENCE SURVEILLANCE RECONNAISSANCE

From drone operations to electronic attack, the Hunter WOLF's silent operations, extensive power offload and expandable payload make it the ideal ISR platform.



### REMOTE WEAPON STATION

Remote weapon stations up to a 30 mm auto-cannon from several leading manufacturers have been integrated onto the WOLF and live-fire tested.



### PINTLE M2 AND ARMOR

Tailored to meet customer needs, the baseline Hunter WOLF is configured to accept armor and multiple weapon platforms.



### CASEVAC

The Hunter WOLF can hold two litters on deck and can be rigged to side-carry an additional two. It can carry and power a mission kit for Prolonged Field Care.



### TRAIL CLEARANCE

The Hunter WOLF can demine routes for infantry with a flail. Equipped with cutter blades, it can clear vegetation from landing zones, trails and fire breaks.



### BREACHING KIT

Battering ram with grappling hooks to move obstacles or gain access to structures in seconds.



### CBRNE KIT

Customizable to users' needs, the Hunter WOLF has been integrated with a suite of chemical, biological, radiological, nuclear and explosive detection, as well as pharmaceutical-based agents detection.



### AUTONOMY KIT

The Hunter WOLF conforms to open standards, allowing integration of third-party autonomy systems. HDT's own autonomy kit provides waypoint follow with robust obstacle detection and avoidance.



### LIGHTWEIGHT EXPEDITIONARY BRIDGE

Utilizing HDT's AirBeam® technology, the lightweight expeditionary bridge can be transported on the Hunter WOLF and deployed in less than 30 minutes to bridge gaps up to 36' wide.



### FOB SUPPORT / SELF-PROPELLED GENERATOR

The Hunter WOLF provides complete capabilities for a mobile FOB – deploy from V-22, carry 1000 kg of equipment and provide 15kW power (mission kits for 15kW 230 VAC and 15kW 208 VAC 3-phase).



### LOW GROUND PRESSURE KIT

The low ground pressure kit gives the Hunter WOLF excellent ground holding capabilities and efficient mobility through extreme terrains. This kit is easy and quick to install.

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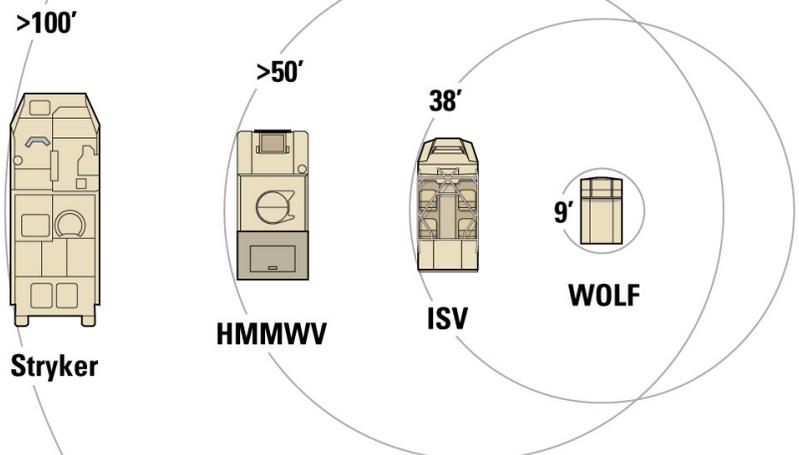
## SPECIFICATIONS

<b>Payload</b>	2,800 lbs	1,270 kg
<b>Range</b>		
Unrefueled	200 miles	300 km
Silent Run	8 miles	12 km
<b>Transportability</b>	UH-60 (1 sling-load) CH-47 (3 internal) V-22 (1 internal) C-130 (8 internal)	
<b>Tow Speed – using standard military tow bar (unloaded)</b>	45 mph	70 kph
<b>Power Export</b>	800 W @ 120VAC continuous 6 kW @ 28VDC continuous 15 kW @ 100VDC continuous 100 kW @ 100VDC peak for several minutes	
<b>Dimensions (L x W x H)</b>	100" x 55" x 41"	2.5 x 1.4 x 1 m
<b>Deck Area Dimensions</b>	77" x 52"	2 x 1.3 m
<b>Curb Weight</b>	3,600 lbs	1,600 kg
<b>Slopes</b>	60%/30° climb and descend 40%/22° side slope	
<b>Water Fording</b>	24 in	60 cm
<b>Speed</b>	10 mph	16 kph



### Single Hand Controller

- Weighs 1 lb (0.45 kg)
- 24 hr battery life
- Integral E-stop



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