



**INTERNATIONAL<sup>®</sup>**

**FTTS**

**FUTURE TACTICAL TRUCK SYSTEM**

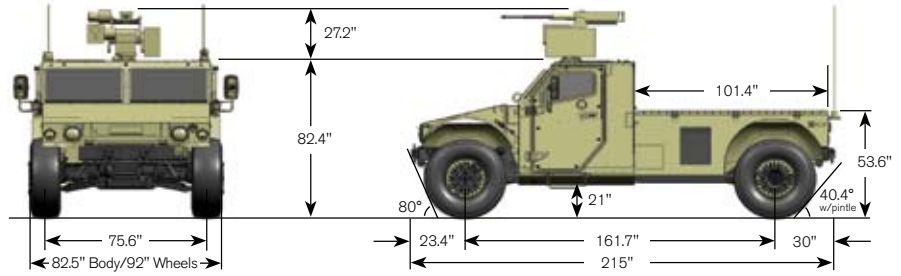
**UV DEMONSTRATOR VEHICLE**



A NAVISTAR COMPANY

# INTERNATIONAL® FTTS

## UV DEMONSTRATOR VEHICLE



**THE INTERNATIONAL® FTTS** conquers all challenges on the battlefield and off. Designed to meet the new threats using the latest technologies in armor, materials and electronics, the FTTS provides unsurpassed toughness and unparalleled versatility.

### VEHICLE DESIGNATION

UV Support: 2 door, 2 passenger cab with integral armor

### CURB WEIGHT

UV Support: 13,700 lbs

### GVW

UV Support: 20,000 lbs

### CARGO CAPACITIES

6,300 lbs cargo

Weight Distribution:

- Curb (Frt / Rr): 52 / 48
- GVW (Frt / Rr): 45 / 55

### VEHICLE DIMENSIONS

Length: 215" (5.461 m)

Width: 82" Body / 92" Tires (2.082 m / 2.336 m)

Adjustable ride height:

Operational Height: 82.4" (2.093 m)

Approach Angle: 80°

Departure Angle: 40.4-47.7°

Ground Clearance: 14.5"- 20" (at differentials)

### CAB/FRAME STRUCTURE

Fully armored cab with integral spall shield.

A-Kit / B-Kit capability

Full provisions for up-armor and remote weapon mounting

Integrated front and rear chassis structure

### POWERTRAIN AND DRIVELINE

Parallel Hybrid System Performance

387 hp (289 kW) peak power

564 ft-lbs (766 Nm) peak torque

Engine: 220 hp / 335 ft-lb MIM 3.0L 14

Electric Motor:

- 130 hp continuous motor power
- 210 hp peak motor power
- 245 ft-lb continuous torque
- 485 ft-lb peak torque
- 115 hp continuous generator power

Driveline Description

5-Speed automatic transmission

Range selectable transfer case with locking differential

Locking front and rear axles

Planetary hubs

Silent running capability

Conventional powertrain provisions available

### SUSPENSION

Type: Double Wishbone Independent suspension front and rear

Wheel travel: 7.5" Jounce, 7.1" Rebound

Modular concept with common components for front and rear

### STEERING

Four wheel steering with open loop control

Turning circle: 48 feet wall to wall

### CHASSIS EQUIPMENT

Operator configurable system with control over TCS, differential locks, CTIS

Adjustable ride height

365 / 80R20 tires with run-flat inserts

Front and rear winch mounting - no impact to approach / departure angles

80 gallon (usable) fuel tank for 600 mile range

### THERMAL SYSTEMS

HVAC: Integrated CO<sub>2</sub>-based A/C heat-pump system for cabin heating and cooling

### ELECTRICAL / ELECTRONICS

NiMH Battery System - Upgradable with emerging technology

Optional 75 kW Continuous integrated power export conditioning

- 120 / 208: 3-Phase 4-wire
- 240 / 416: 3-Phase 4-wire
- Output frequency 50 / 60 / 400 Hz selectable

Simultaneous on-the-move power:

- 1.5 kW 14 VDC
- 6.0 kW 28 VDC (7 kw without weapon)
- 1.8 kW / 15A 120 VAC inside cab
- 3.0 kW 240 VAC outside cab

C4ISR / COE Compliant

Provisions for: JTRS / SINGARS / EPLRS / MTS2012

Two workstation capability

Integrated electronics / Minimized display count

Short Range Radio Communication provides:

- Intra-vehicle / Intra-convoy / Dismounted Soldier intercom
- Data transfer, Group diagnostics / prognostics, COP

Customized options available to meet mission requirements

## INTERNATIONAL MILITARY VEHICLES

For more information visit [www.InternationalMilitaryandGovernment.com](http://www.InternationalMilitaryandGovernment.com)

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