

INTERNATIONAL® FTTS™



**A NEW GENERATION OF VEHICLE FOR TODAY'S ARMED SERVICES.**



A NAVISTAR COMPANY





## INTERNATIONAL® FTTS™

Conquers all challenges on the battlefield and off. The FTTS™ takes advantage of medium duty truck components for unsurpassed toughness and unparalleled versatility.

### VEHICLE DESIGNATION

UV support: 2 door, 2 passenger cab

### DIMENSIONS

Overall length: 215"  
Height: 82.7"  
Width: 82" body / 92" tires

### POWERTRAIN AND DRIVELINE

MWM 4.0BTCE 3.0L I4 TurboDiesel rated at 220 hp

Parallel hybrid motor generator rated at:

- 98 kW continuous motor power
- 156 kW (209 hp) peak motor power
- 330 Nm (243 ft-lb) continuous torque
- 660 Nm (486 ft-lb) peak torque
- 85 kW (115 hp) continuous generator power

5-speed automatic transmission (Ford 5R110W TorqueShift)

2-speed transfer case with locking differential

Locking front and rear axles

Planetary hubs

Silent running capability

Rear-center-mounted powertrain

### WEIGHT

Curb: 18,000 lbs

GVW: 22,000 lbs

### THERMAL SYSTEM

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

### STEERING SYSTEM

Turning circle: 48 feet wall to wall

Four wheel steering with open loop control

- Out of phase turning for improved turning circle and zero off tracking
- Front and rear steer angle: 25° / 17°

### CARGO CAPACITIES

2 passengers + 2690 lbs cargo (3377 lbs total)

Weight distribution:

- Curb (Fr/Rr): 52/48
- GVW (Fr/Rr): 47/53

### SUSPENSION

Type: double wishbone independent suspension front and rear

Actuation: torsion bar with manual ride height adjustment

Wheel travel: 7.5" jounce, 7.1" rebound

Modular concept with common components for front and rear

### CHASSIS EQUIPMENT

Operator-configurable system controlling differential locks and CTIS

Manually reconfigurable ride height

365/80R20 Michelin XZL tires with run-flat inserts

Front and rear winch mounting — does not impact approach/ departure angles

80-gallon (usable) fuel tank for 600-mile range

### ELECTRICAL / ELECTRONICS

NiMH battery system — upgradable with emerging technology

Integrated 75 kW continuous power export conditioning (stationary)

- 120/208: 3-phase 4-wire (120VAC line to neutral, 208VAC line to line)
- 240/416: 3-phase 4-wire (240VAC line to neutral, 416VAC line to line)
- Output frequency: 50/60/400 Hz selectable

On-the-move (OTM) simultaneously exportable power\*

- 1.5 kW 14VDC
- 5.0 kW 28VDC
- 1.8 kW / 15 A 120VAC available inside of cab
- 3.0 kW 240VAC available outside of cab

AC power can be configured to provide 4.8 kW @ 240VAC

C4ISR / COE Compliant

SINGGARS / EPLRS / MTS2012+ / (SOW C4ISR package)

Integrated electronics / minimized display count

Short range radio communication provides:

- Intra-vehicle / intra-convoy / dismounted soldier intercom
- Data transfer, group diagnostics / prognostics, COP

\* Stated OTM power is for a C4ISR & CROWS equipped vehicle. Removal of these systems provides an additional 2.2 kW of 28VDC.

NOTE: This information is valid as of 02/2008 and is subject to change without notice

