



A Textron Company

**MODEL: ST 400 Electric**  
**TYPE: ELECTRIC POWERED TRUCK**  
**MODEL YEAR: 2010**  
**Part No.: 612134**



### PRODUCT SPECIFICATION

#### CONFIGURATION HIGHLIGHTS

**Precision Drive System™ (PDS):** Factory programmable to application

- Solid State continuously variable separately excited speed controller
- Dash mounted direction selector switch (Forward-Neutral-Reverse)
- Anti-roll back, walkaway braking and alarm
- Anti-stall motor protection
- Regenerative 'Pedal Down' and/or 'Pedal Up' braking
- Full torque, reduced speed reverse
- Inductive throttle sensor
- Diagnostic indicator
- Factory selectable performance options

**Battery Charger:** 48 VDC PowerWise™, 120/230 VAC 50/60 Hz. Underwriters Laboratories (U.L.) Listed, (C.S.A. Certified)

**Motor:** 48 Volt DC shunt wound, brazed armature, solid copper windings. Non vented 2.5 hp (1.9 kW) @ 2700 rpm (1 hour)

**Drive Train:** Direct motor shaft connected to transaxle pinion shaft

**Electrical System:** 48 Volt DC, eight, 6 volt deep cycle storage batteries (115 minute minimum, 225 amp-hour @ 20 hr. discharge rate)

**Transaxle:** Differential with helical gears

**Brakes:** Dual rear wheel mechanical self-adjusting drum brakes. Automatic single point park brake release with self-compensating system

**Cargo Bed:** Roto-molded cross-linked polyethelene. Lifts for access to powertrain. Removable hinged multi-position tailgate requires no latch mechanism

### PRODUCT OVERVIEW

#### Dimensions

Overall Length	110.5 in (280 cm)
Overall Width	49.8 in (126 cm)
Overall Height (No Canopy)	49.5 in (126 cm) (Top of Steering wheel)
Overall Height (With Canopy)	77.0 in (196 cm)
Wheel Base	77.0 in (196 cm)
Front Wheel Track	37.0 in (94 cm)
Rear Wheel Track	38.0 in (97 cm)
Ground Clearance (at Differential)	6.0 in (15 cm)
Cargo Box Width (inside)	44.0 in (112 cm)
Cargo Box Length (inside)	36.0 in (91 cm)
Cargo Box Depth (inside)	10.5 in (27 cm)
Cargo Box Capacity	9.6 cu ft (0.27 m3)
Cargo Box material	Roto-molded polyethylene

#### Vehicle Power

Power Source	48 Volts DC
Motor Type	Shunt Wound
Horsepower (kW)	2.5 hp (1.9 kW) @ 2700 rpm
Electrical System	48 Volt
Batteries (Qty, Type)	Eight, 6 Volt Deep Cycle
Key or Pedal Start	Pedal Start
Battery Charger	48VDC PowerWise™ w/10 ft (3 m) DC Cord
Speed Controller	400 Amp Precision Drive System (PDS)
Drive Train	Motor Shaft Direct Drive
Transaxle	Differential with helical gears

Gear Selection	Dash Mounted Forward-Neutral-Reverse
Rear Axle Ratio	14.7:1

#### Performance

Seating Capacity	2 Person
Dry Weight	810 lb (370 kg) (Without Batteries)
Curb Weight	1300 lb (590 kg)
Bed Load Capacity	550 lb (250 kg)
Vehicle Load Capacity	1000 lb (450 kg)
Outside Clearance Circle	22.0 ft (6.7 m)
Intersecting Aisle Clearanc	N/A
Speed (Level Ground)	16 mph ± 0.5 mph (26 kph ± 0.8 kph)
Towing Capacity	600 lb (270 kg) max load

#### Steering & Suspension

Steering	Self-compensating rack and pinion
Front Suspension	Leaf springs with hydraulic shock absorbers
Rear Suspension	Leaf springs with hydraulic shock absorbers
Service Brake	Rear wheel mechanical self-adjusting drum
Parking Brake	Self-compensating, single point engagement
Front Tires	Stryker 22 x 9 -10 Uni-directional
Rear Tires	Stryker 22 x 9 -10 Uni-directional

#### Body & Chassis

Frame	Welded steel. DuraShield™ powder coat
Front Body & Finish	Injection Molded TPO
Standard Color	Hunter Green

*Some items shown may be optional equipment*



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**OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)\***

Item	Std	Opt	Fld
<b>TIRES &amp; WHEELS:</b>			
Stryker 22 x 9 - 10 Uni-directional	●		
Turf Saver 20 x 10 -10 (Load Range b)		●	
Terra Trac 22 x 11 -10 with Polished 4-Spoke Wheels		●	
<b>COLORS:</b>			
Body Color - Hunter Green	●		
Body Color - Ivory		●	
Body Color - Bright White		●	
Body Color - Yellow		●	
Body Color - Orange		●	
Custom Body Color		●	
Seat Color - Tan	●		
Seat Color - Oyster		●	
Seat Color - Gray		●	
Seat Color - White		●	
<b>HAULING &amp; TOWING:</b>			
2 in (5 cm) Receiver (Front)	●		
2 in (5 cm) Receiver (Rear)	●		
1 7/8 in (48 mm) Ball (Rcvr Req'd)		●	
Angle (Rcvr Req'd)		●	
Clevis (Rcvr Req'd)		●	
Angle, Drop (Rcvr Req'd)		●	
1 7/8 in (48 mm) Ball, Drop (Rcvr Req'd)		●	
Clevis, Drop (Rcvr Req'd)		●	
Power Dump (Electric)		●	
Trailer, Dump (Steel Bed)			●
Trailer, Dump (Poly Bed)			●
<b>OTHER PERFORMANCE:</b>			
Ash Tray		●	
Differential Guard		●	
Front Bumper & Guard (Black)	●		
Glove Box Door (Locking) Driver Side		●	
Glove Box Door (Locking) Passenger Side		●	
Horn	●		
Rear View Mirror (Sun Canopy Required)			●
State of Charge Meter		●	
<b>ELECTRICAL:</b>			
<b>Battery Chargers:</b>			
48 VDC Delta Q, 120/230 VAC 50/60 Hz w/18' DC Cord	●		
48 VDC - SCR		●	
48 VDC - 230 VAC 60 Hz		●	
48 VDC - 120 VAC 60 Hz		●	
Battery Charger Delete		●	

Item	Std	Opt	Fld
<b>ELECTRICAL: (Cont'd)</b>			
<b>Other:</b>			
Unique Individual Key Switch		●	
Headlights	●		
Taillights		●	
Brake Lights		●	
Turn Signals with 4-Way Flashers		●	
Strobe Light		●	
Work Lights		●	
Work Lights with Strobe Light		●	
<b>Miscellaneous:</b>			
DC Converter		●	
Heavy duty battery		●	
Hour Meter		●	
<b>WEATHER PROTECTION:</b>			
Brush Guard Cage for Windshield & Top			●
Sun Canopy (Top) Champagne			●
Sun Canopy (Top) Tan			●
Sun Canopy (Top) Tan (Brush Guard Cage Required)			●
Weather Enclosure, White (3 Side, Top & Windshield Req'd)			●
Weather Enclosure, Tan (3 Side, Top & Windshield Req'd)			●
Windshield Flat			●
Windshield Flat Lexan®			●
Windshield Fold Down			●
Windshield Fold Down Lexan®			●
Windshield (Brush Guard Cage Required)			●
<b>VEHICLE CAB:</b>			
Steel Cab (Tan):			●
Steel Cab (White):			●
Steel Cab (Non Standard Color):			●
Beacon, Amber (Cab Required)			●
Defroster/Fan (Cab Required)			●
Dome Light (Cab Required)			●
Doors (Steel) Tan (Cab Required)			●
Doors (Steel) White (Cab Required)			●
Doors (Steel) Non Standard Color (Cab Required)			●
Doors (Vinyl) Tan (Cab Required)			●
Rear View Mirror (Cab Required)			●
Strobe Light (Cab Required)			●
Windshield Wiper (Cab Required)			●