



A Textron Company

MODEL: ST 400 Electric
TYPE: ELECTRIC POWERED TRUCK
MODEL YEAR: 2011
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 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 polyethylene. Lifts for access to powertrain. Removable hinged multi-position tailgate requires no latch mechanism

PRODUCT OVERVIEW

Dimensions

| | |
|------------------------------------|--|
| Overall Length | 111.5 in (283 cm) |
| Overall Width | 49.5 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 | 38.0 in (97 cm) |
| Rear Wheel Track | 38.5 in (98 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 Clearance | 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 | Item | Std | Opt | Fld |
|---|-----|-----|-----|---|-----|-----|-----|
| TIRES & WHEELS: | | | | ELECTRICAL: (Cont'd) | | | |
| Stryker 22 x 9 - 10 Uni-directional | ● | | | Other: | | | |
| Turf Saver 20 x 10 -10 (Load Range b) | | ● | | Unique Individual Key Switch | | | ● |
| Terra Trac 22 x 11 -10 with Polished 4-Spoke Wheels | | ● | | Headlights | ● | | |
| COLORS: | | | | Taillights | | | ● |
| Body Color - Hunter Green | ● | | | Brake Lights | | | ● |
| Body Color - Ivory | | ● | | Turn Signals with 4-Way Flashers | | | ● |
| Body Color - Bright White | | ● | | Strobe Light | | | ● |
| Body Color - Yellow | | ● | | Work Lights | | | ● |
| Body Color - Orange | | ● | | Work Lights with Strobe Light | | | ● |
| Custom Body Color | | ● | | Miscellaneous: | | | |
| Seat Color - Tan | ● | | | DC Converter | | | ● |
| Seat Color - Oyster | | ● | | Heavy duty battery | | | ● |
| Seat Color - Gray | | ● | | Hour Meter | | | ● |
| Seat Color - White | | ● | | WEATHER PROTECTION: | | | |
| HAULING & TOWING: | | | | Brush Guard Cage for Windshield & Top | | | ● |
| 2 in (5 cm) Receiver (Front) | ● | | | Sun Canopy (Top) Champagne | | | ● |
| 2 in (5 cm) Receiver (Rear) | ● | | | Sun Canopy (Top) Tan | | | ● |
| 1 7/8 in (48 mm) Ball (Rcvr Req'd) | | ● | | Sun Canopy (Top) Tan (Brush Guard Cage Required) | | | ● |
| Angle (Rcvr Req'd) | | ● | | Weather Enclosure, White (3 Side, Top & Windshield Req'd) | | | ● |
| Clevis (Rcvr Req'd) | | ● | | Weather Enclosure, Tan (3 Side, Top & Windshield Req'd) | | | ● |
| Angle, Drop (Rcvr Req'd) | | ● | | Windshield Flat | | | ● |
| 1 7/8 in (48 mm) Ball, Drop (Rcvr Req'd) | | ● | | Windshield Flat Lexan® | | | ● |
| Clevis, Drop (Rcvr Req'd) | | ● | | Windshield Fold Down | | | ● |
| Power Dump (Electric) | | ● | | Windshield Fold Down Lexan® | | | ● |
| Trailer, Dump (Steel Bed) | | | ● | Windshield (Brush Guard Cage Required) | | | ● |
| Trailer, Dump (Poly Bed) | | | ● | VEHICLE CAB: | | | |
| OTHER PERFORMANCE: | | | | Steel Cab (Tan): | | | ● |
| Ash Tray | | ● | | Steel Cab (White): | | | ● |
| Differential Guard | | ● | | Steel Cab (Non Standard Color): | | | ● |
| Front Bumper & Guard (Black) | ● | | | Beacon, Amber (Cab Required) | | | ● |
| Glove Box Door (Locking) Driver Side | | ● | | Defroster/Fan (Cab Required) | | | ● |
| Glove Box Door (Locking) Passenger Side | | ● | | Dome Light (Cab Required) | | | ● |
| Horn | ● | | | Doors (Steel) Tan (Cab Required) | | | ● |
| Rear View Mirror (Sun Canopy Required) | | | ● | Doors (Steel) White (Cab Required) | | | ● |
| State of Charge Meter | | ● | | Doors (Steel) Non Standard Color (Cab Required) | | | ● |
| ELECTRICAL: | | | | Doors (Vinyl) Tan (Cab Required) | | | ● |
| Battery Chargers: | | | | Rear View Mirror (Cab Required) | | | ● |
| 48 VDC Delta Q, 120/230 VAC 50/60 Hz w/18' DC Cord | ● | | | Strobe Light (Cab Required) | | | ● |
| 48 VDC - SCR | | ● | | Windshield Wiper (Cab Required) | | | ● |
| 48 VDC - 230 VAC 60 Hz | | ● | | | | | |
| 48 VDC - 120 VAC 60 Hz | | ● | | | | | |
| Battery Charger Delete | | ● | | | | | |