



A Textron Company

MODEL: ST CUSTOM
TYPE: ELECTRIC POWERED PERSONNEL CARRIER
MODEL YEAR: 2010
Part No.: 606942



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

Precision Drive System™ (PDS): Programmable to terrain

- Solid State continuously variable separately excited speed controller
- Dash mounted direction selector switch (Forward-Neutral-Reverse)
- Anti-roll back, walkaway braking and alarm
- Regenerative 'Pedal Down' and/or 'Pedal Up' braking
- Six, 6 Volt Deep Cycle Batteries
- Full torque, reduced speed reverse
- Inductive throttle sensor
- Audible diagnostic mode

Battery Charger: PowerWise™ 36QE high frequency, fully line compensating. 10 ft (3 m) DC Cord. Underwriters Lab. (U.L.) Listed, (C.S.A. Certified)

- **Input:** 110 – 120 Volt, 50/60 Hz, 8 amp
- **Output:** 36 Volt at 16 amps DC

Motor: 36 Volt DC shunt wound, brazed armature, solid copper windings

Drive Train: Direct motor shaft connected to transaxle pinion shaft

Electrical System: 36 Volt DC, six, 6 volt deep cycle 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

Capacity: Seating for 4 persons. Rear Seat converts to Cargo Bed

PRODUCT OVERVIEW

Dimensions

Overall Length	107.0 in (272 cm)
Overall Width	46.5 in (118 cm)
Overall Height (No Canopy)	49.0 in (124 cm) (Top of steering wheel)
Overall Height (With Canopy)	80.0 in (203 cm) (Top of Sun Canopy)
Wheel Base	65.5 in (166 cm)
Front Wheel Track	38.0 in (97 cm)
Rear Wheel Track	38.5 in (98 cm)
Gnd Clearance @ Differential	6.0 in (15 cm)
Load Bed Width	40.0 in (102 cm)
Load Bed Length	32.0 in (81 cm)

Vehicle Power

Power Source	36 Volts DC
Motor Type	Shunt Wound
Horsepower (kW)	N/A
Electrical System	36 Volt
Batteries (Qty, Type)	Six, 6 Volt Deep Cycle
Key or Pedal Start	Pedal Start
Battery Charger	36 V PowerWise QE, 120 VAC, UL/CSA
Speed Controller	300 Amp Precision Drive System
Drive Train	Motor Shaft Direct Drive
Transaxle	Differential with helical gears
Gear Selection	Forward-Reverse
Rear Axle Ratio	14.76:1

Performance

Seating Capacity	4 Persons
Dry Weight	930 lb (420 kg)
Curb Weight	970 lb (440 kg)
Bed Load Capacity	250 lb (110 kg)
Vehicle load capacity	800 lb (360 kg)
Outside Clearance Circle	20.3 ft (6.2 m)
Intsecting Aisle Clearance	N/A
Speed (Level Ground)	13 mph ± 0.5 mph (21 kph ± 0.8 kph)

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	Terra Trac 22 x 11 - 10 / Polished Spoke Whls
Rear Tires	Terra Trac 22 x 11 - 10 / Polished Spoke Whls

Body & Chassis

Frame	Welded steel with DuraShield™ powder coat
Front Body & Finish	Injection molded TPO
Rear Body & Finish	Injection molded TPO
Standard Color	Electric Blue

Some items shown may be optional equipment

