



A Textron Company

MODEL: ST CUSTOM 48V
TYPE: ELECTRIC POWERED PERSONNEL CARRIER
MODEL YEAR: 2011
Part No.: 615403



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

- TruCourse Technology:** Programmable to multiple vehicle terrains, with expanded regenerative braking function, and vehicle charger lockout
- Solid State continuously variable separately excited speed controller
 - Dash mounted direction selector switch (Forward-Neutral-Reverse)
 - Anti-roll back, walkaway braking and alarm
 - Programmable regenerative braking, acceleration and speed
 - Six, 8 Volt Deep Cycle Batteries
 - Full torque, reduced speed reverse
 - Inductive throttle sensor
 - Handheld vehicle diagnostics and rounds tracking
- Battery Charger:** PowerWise 48QE high frequency, fully line compensating. 10ft (3m) DC Cord. Underwriters Lab. (U.L.) Listed, (C.S.A. Certified)
- Input: 120 Volts AC, 50/60Hz, 8 amps
 - Output: 48 Volts DC at 13 amps
- Motor:** 48 Volt DC shunt wound, brazed armature, solid copper windings
- Drive Train:** Direct motor shaft connected to transaxle pinion shaft
- Electrical System:** 48 Volt DC, six, 8 volt deep cycle batteries (117 minute minimum, 170 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	105.3 in (267 cm)
Overall Width	48.5 in (123 cm)
Overall Height (No Canopy)	52.4 in (133 cm) (Top of steering wheel)
Overall Height (With Canopy)	74.5 in (189 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	5.5in (14 cm)
Load Bed Width	40.0 in (102 cm)
Load Bed Length	32.0 in (81 cm)

Vehicle Power

Power Source	48 Volts DC
Motor Type	Shunt Wound
Horsepower (kW)	3.0 HP (2.2kW) Continuous
Electrical System	48 Volt
Batteries (Qty, Type)	Six, 8 Volt Deep Cycle
Key or Pedal Start	Pedal Start
Battery Charger	48 VDC PowerWise™ QE, 120 VAC, UL/CSA
Speed Controller	250 Amp Solid State Controller
Drive Train	Motor Shaft Direct Drive
Transaxle	Differential with helical gears
Gear Selection	Dash Mounted Forward-Neutral-Reverse
Rear Axle Ratio	14.76:1

Performance

Seating Capacity	4 Person
Dry Weight	675 lb (306kg) (Without Batteries)
Curb Weight	1040 lb (472kg) Trojan T-875
Bed Load Capacity	800 lb (363 kg)
Vehicle load capacity	19 ft (5.8 m)
Outside Clearance Circle	N/A
Intsecting Aisle Clearance	15.9 mph ± 0.5 mph (25.6 kph ± 0.8 kph)
Speed (Level Ground)	N/A

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

