



A Textron Company

MODEL: ST SPORT 2+2 48V
TYPE: ELECTRIC POWERED PERSONNEL CARRIER
MODEL YEAR: 2011
Part No.: 615402



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	105.3.0 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)	74.5.0 in (189cm) (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	5.5 in (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
Vehicle load capacity	800 lb (363 kg)
Outside Clearance Circle	19 ft (5.8 m)
Intersecting Aisle Clearance	N/A
Speed (Level Ground)	17.5 mph ± 0.5 mph (28.2 kph ± 0.8 kph)
Towing Capacity	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	Trail Wolf 20 x 11 - 10 Uni-directional
Rear Tires	Trail Wolf 20 x 11 - 10 Uni-directional

Body & Chassis

Frame	Welded steel with DuraShield™ powder coat
Front Body & Finish	Injection Molded TPO
Rear Body & Finish	Injection molded TPO
Standard Color	Forest Green

Some items shown may be optional equipment



A Textron Company

OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld	Item	Std	Opt	Fld
TIRES & WHEELS:							
Front & Rear:							
Trail Wolf 20 x 11 - 10 (4 Ply Rated) Uni-directional	●			Convertible Carrier - Rear Seat	●		
Terra Trac 22 x 11 - 10 with Polished Spoke Wheels		●		Rear View Mirror (Sun Canopy Required)			●
Stryker 22 x 9 - 10 Uni-directional		●		Top Cap (Advantage Camo)			●
Turf Saver 20 x 10 - 10 (Load Range B)		●		Top Cap (HDT Camo)			●
COLORS:				ELECTRICAL:			
Body Color - Hunter Green	●			Battery Chargers:			
Body Color - Ivory		●		Powerwise QE 48V 10 ft (3.0 m) DC Cord	●		
Body Color - Yellow		●		Powerwise QE 48V 18 ft (5.5 m) DC Cord		●	
Body Color - Orange		●		World Charger QE 48V 10 ft (3.0 m) DC Cord		●	
Body Color - Bright White		●		World Charger QE 48V 18 ft (5.5 m) DC Cord		●	
Body Color - Flame Red		●		Battery Charger Delete		●	
Body Color - Black		●		Battery Options			
Body Color - Electric Blue		●		Heavy Duty Battery Option - T890		●	
Body Color - Platinum		●		Battery Fill System - T875		●	
Body Color - Inferno Red		●		Battery Fill System Nozzle, 20' Hose		●	
Body Color - Metallic Charcoal		●		No Battery		●	
Body Color - Patriot Blue		●		Miscellaneous:			
Body Color - Steel Blue		●		Handheld Programming Unit		●	
Custom Body Color		●		Brake Lights		●	
Pin Stripes:				Defroster/Fan		●	
Gold (Pewter)		●		Headlights		●	
Dark Green		●		Turn Signals with 4-Way Flashers		●	
White		●		Hour Meter		●	
Black		●		Horn		●	
Red		●		State of Charge Meter		●	
Burgundy		●		Unique Individually Key Switch		●	
Non Standard Color		●		Unique Common Key Switch		●	
Seating:				WEATHER PROTECTION:			
Seat Color - Tan	●			Sun Canopy (Top) Tan			●
Seat Color - White		●		Sun Canopy (Top) Brown			●
Seat Color - Oyster		●		Weather Enclosure, (3 Side, Top & Windshield Required)			●
Seat Color - Gray		●		Weather Enclosure, Adv Camo (3 Side, Top & Windshld Reqd)			●
Seat Color - Black		●		Weather Enclosure, HDT Camo (3 Side, Top & Windshld Reqd)			●
Seat Color - Brown		●		Windshield Flat			●
Custom Seat Color		●		Windshield Fold Down			●
OTHER PERFORMANCE:							
Ash Tray		●					
Front Basket Kit			●				
Front Bumper/Brush Guard	●						
Glove Box Door (Locking) Driver Side		●					
Glove Box Door (Locking) Passenger Side		●					
Gun Holder, Floor Mount			●				
Gun Holder, Swivel			●				
Message Holder (1 Piece, Sun Canopy Required)			●				
Message Holder (Sun Canopy Required)			●				