



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		Performance	
Overall Length	107.0 in (272 cm)	Seating Capacity	4 Persons
Overall Width	46.5 in (118 cm)	Dry Weight	930 lb (420 kg)
Overall Height (No Canopy)	49.0 in (124 cm) (Top of steering wheel)	Curb Weight	970 lb (440 kg)
Overall Height (With Canopy)	80.0 in (203 cm) (Top of Sun Canopy)	Bed Load Capacity	250 lb (110 kg)
Wheel Base	65.5 in (166 cm)	Vehicle load capacity	800 lb (360 kg)
Front Wheel Track	38.0 in (97 cm)	Outside Clearance Circle	20.3 ft (6.2 m)
Rear Wheel Track	38.5 in (98 cm)	Intsecting Aisle Clearance	N/A
Gnd Clearance @ Differential	6.0 in (15 cm)	Speed (Level Ground)	13 mph ± 0.5 mph (21 kph ± 0.8 kph)
Load Bed Width	40.0 in (102 cm)	Steering & Suspension	
Load Bed Length	32.0 in (81 cm)	Steering	Self-compensating rack and pinion
Vehicle Power		Front Suspension	Leaf springs with hydraulic shock absorbers
Power Source	36 Volts DC	Rear Suspension	Leaf springs with hydraulic shock absorbers
Motor Type	Shunt Wound	Service Brake	Rear wheel mechanical self-adjusting drum
Horsepower (kW)	N/A	Parking Brake	Self-compensating, single point engagement
Electrical System	36 Volt	Front Tires	Terra Trac 22 x 11 - 10 / Polished Spoke Whls
Batteries (Qty, Type)	Six, 6 Volt Deep Cycle	Rear Tires	Terra Trac 22 x 11 - 10 / Polished Spoke Whls
Key or Pedal Start	Pedal Start	Body & Chassis	
Battery Charger	36 V PowerWise QE, 120 VAC, UL/CSA	Frame	Welded steel with DuraShield™ powder coat
Speed Controller	300 Amp Precision Drive System	Front Body & Finish	Injection molded TPO
Drive Train	Motor Shaft Direct Drive	Rear Body & Finish	Injection molded TPO
Transaxle	Differential with helical gears	Standard Color	Electric Blue
Gear Selection	Forward-Reverse		
Rear Axle Ratio	14.76:1		

Some items shown may be optional equipment



A Textron Company

MODEL: ST CUSTOM
TYPE: GAS POWERED PERSONNEL CARRIER
MODEL YEAR: 2010
Part No.: 606697



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

Engine: 13 hp (9.7 kW) Exceeds SAE J1940 Standard, 4 cycle, 24.5 ci (401 cc) single cylinder, air-cooled by Kawasaki

- **Valve Train:** Overhead valve
- **Lubrication:** Pressurized oil system, spin-on oil filter
- **Balancer:** Internal counter rotating balance shaft
- **Fuel System:** Fixed float bowl with remote pulse fuel pump
- **Ignition:** Electronic spark/magneto
- **Air Cleaner:** Replaceable dry cartridge

Electrical: Starter/Generator, solid-state regulator, 12 Volt maintenance free battery (425 CCA, 60 minute reserve)

Drive Train: Automatic, continuously variable transmission (CVT)

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

Transaxle: Differential with helical gears, ground speed governor, forward/reverse

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	5.5 in (15 cm)
Load Bed Width	40.0 in (102 cm)
Load Bed Length	32.0 in (81 cm)

Vehicle Power

Power Source	4 Cycle 24.5 cu in (401 cc)
Valve Train	Single Cylinder OHV
Horsepower (kW)	13 hp (9.7 kW) Exceeds SAE J1940 Std.
Electrical System	Starter/Generator. Solid State Regulator
Batteries (Qty, Type)	One, 12 Volt Maintenance Free
Key or Pedal Start	Pedal
Air Cleaner	Replaceable Dry Cartridge
Lubrication	Pressurized Oil System
Oil Filter	Spin-On
Cooling System	Air Cooled
Fuel Capacity	5.8 Gallon (22.0 L) tank
Drive Train	Continuously variable transmission (CVT)
Transaxle	Differential with helical gears
Gear Selection	Forward - Reverse
Rear Axle Ratio	11.42:1 (Forward) 15.78:1 (Reverse)

Performance

Seating Capacity	4 Persons
Dry Weight	860 lb (390 kg)
Curb Weight	900 lb (410 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)	Fwd - 17.0 mph ± 0.5 mph (27.4 kph ± 0.8 kph) Rev - 13.0 mph ± 0.5 mph (20.9 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	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 coating
Front Body & Finish	Injection molded TPO
Rear Body & Finish	Injection molded TPO
Standard Color	Electric Blue

Some items shown may be optional equipment

