



A Textron Company

MODEL: SHUTTLE™ 4
TYPE: ELECTRIC POWERED PERSONNEL CARRIER
MODEL YEAR: 2011

Part No.: 600918 *

* Same as Shuttle 6 with Cargo Box option selected



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
- Eight, 6 Volt Deep Cycle
- Full torque, reduced speed reverse
- Inductive throttle sensor
- Diagnostic indicator
- Factory selectable performance options

Battery Charger: Delta Q, 48 VDC. H120/230 VAC 50/60 Hz. Underwriters Laboratories (U.L.) Listed, (C.S.A. Certified)

Motor: 48 volt DC shunt wound, brazed armature, solid copper windings. Intermittant Horsepower 18.1 hp (13.5 kW) at 1900 rpm (1hour)

Drive Train: Direct motor shaft connected to transaxle pinion shaft

Electrical System: 48 Volt DC, eight, 6 volt deep cycle storage batteries (107 minute, 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

PRODUCT OVERVIEW

Dimensions

| | |
|------------------------------|--|
| Overall Length | 133.0 in (338 cm) |
| Overall Width | 46.5 in (119 cm) |
| Overall Height (No Canopy) | 48.6 in (123 cm) (Top of steering wheel) |
| Overall Height (With Canopy) | 72.0 in (183 cm) |
| Wheel Base | 93.5 in (237 cm) |
| Front Wheel Track | 34.2 in (86.7 cm) |
| Rear Wheel Track | 38.0 in (97 cm) |
| Gnd Clearance @ Differential | 4.3 in (11 cm) |
| Cargo Box Width (inside) | 42.5 in (108 cm) |
| Cargo Box Length (inside) | 32.0 in (80 cm) |
| Cargo Box Depth (inside) | 11.5 in (29 cm) |
| Cargo Box Capacity | 9 cu ft (.25 m3) |
| Cargo Box material | Wood Stake Sides |

Vehicle Power

| | |
|------------------------------|---------------------------------------|
| Power Source | 48 Volts DC |
| Motor Type | Shunt Wound |
| Continuous Horsepower (kW) | 2.5 hp (1.9 kW) |
| Intermittent Horsepower (kW) | 18.1 hp (13.5 kW) @ 1900 rpm |
| Electrical System | 48 Volt |
| Batteries (Qty, Type) | Eight, 6 Volt Deep Cycle |
| Key or Pedal Start | Pedal Start |
| Battery Charger | 48 VDC Delta Q, 120/230 VAC, UL & CSA |
| 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 | 4 Person |
| Dry Weight | 710 lb (320 kg) (Without Batteries) |
| Curb Weight | 1200 lb (540 kg) |
| Bed Load Capacity | 400 lb (180 kg) |
| Vehicle load capacity | 1198 lb (540 kg) |
| Outside Clearance Circle | 25.5 ft (7.8 m) |
| Intersecting 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 | Links 18 x 8.50 - 8 (4 Ply Rated) |
| Rear Tires | Links 18 x 8.50 - 8 (4 Ply Rated) |

Body & Chassis

| | |
|----------------|---------------------------------------|
| Frame | Welded steel. DuraShield™ powder coat |
| Body & Finish | Injection molded TPO |
| Seat Pod | Fiberglass & Gelcoat |
| Standard Color | Champagne |

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: | | | | State of Charge Meter | | | |
| Front: | | | | OTHER PERFORMANCE: | | | |
| Links 18 x 8.50 - 8 (4 Ply Rated) | ● | | | Ash Tray | | ● | |
| USA Trail 18 x 8.50 - 8 (Load Range C) | | ● | | Front Disc Brakes | | ● | |
| Rear: | | | | Rear View Mirror (Sun Canopy Required) | | | |
| Links 18 x 8.50 - 8 (4 Ply Rated) | ● | | | WEATHER PROTECTION: | | | |
| USA Trail 18 x 8.50 - 8 (Load Range C) | | ● | | Sun Canopy 118 in (300 cm) (Champagne) | | | ● |
| Wheel Covers: | | | | Windshield Flat | | | |
| Spoke, Black & Gold | | ● | | Windshield Fold Down | | | |
| Spoke, Black & Silver | | ● | | | | | |
| Chrome 6 in (15 cm) | | ● | | | | | |
| Chrome 8 in (20 cm) | | ● | | | | | |
| COLORS: | | | | | | | |
| Body Color - Champagne | ● | | | | | | |
| Body Color - Hunter Green | | ● | | | | | |
| Custom Body Color | | ● | | | | | |
| Pin Stripes: | | | | | | | |
| Gold | | ● | | | | | |
| Dark Green | | ● | | | | | |
| White | | ● | | | | | |
| Black | | ● | | | | | |
| Red | | ● | | | | | |
| Burgundy | | ● | | | | | |
| Non Standard Color | | ● | | | | | |
| Seating: | | | | | | | |
| Seat Color - Oyster | ● | | | | | | |
| Seat Color - Tan | | ● | | | | | |
| Seat Color - Gray | | ● | | | | | |
| Custom Seat Color | | ● | | | | | |
| ELECTRICAL: | | | | | | | |
| Battery Chargers: | | | | | | | |
| 48 VDC PowerWise™, 120 VAC, UL & CSA | ● | | | | | | |
| 48 VDC PowerWise™ SCR, 120 VAC, 50/60 Hz (Japan) | | ● | | | | | |
| 48 VDC PowerWise™, 230 VAC, 50 Hz | | ● | | | | | |
| 48 VDC Delta-Q, 10 ft (3 m) DC Cord | | ● | | | | | |
| 48 VDC Delta-Q, 18 ft (5.5 m) DC Cord | | ● | | | | | |
| Battery Charger Delete | | ● | | | | | |
| Miscellaneous: | | | | | | | |
| DC Converter | | ● | | | | | |
| Batteries Trojan T145-Lo Profile | | ● | | | | | |
| Brake Lights | | ● | | | | | |
| Head Lights | | ● | | | | | |
| Horn | ● | | | | | | |
| Hour Meter | | ● | | | | | |
| Individual Key Switch | | ● | | | | | |
| Unique Group Key Switch | | ● | | | | | |
| Turn Signals with 4-Way Flashers | | ● | | | | | |