



A Textron Company

MODEL: SHUTTLE™ 2+2
TYPE: ELECTRIC PERSONNEL CARRIER
MODEL YEAR: 2009
Part No.: 606604



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

Programmable AC Drive System: Factory programmable to application

- Solid State variable frequency AC speed controller
• Drive-by-wire electronic throttle control
• Dash mounted direction selector switch (Forward-Neutral-Reverse)
• Descent speed control and automatic hill hold
• Full-time regenerative braking
• 230 Amp AC Controller
• Full torque, reduced speed reverse
• Sealed Hall effect throttle sensor
• Full diagnostic capability (Hand held diagnostic unit)
• Six field selectable speeds with hand held diagnostic unit

Motor: 48 Volt AC induction motor, solid copper windings. 4.4 hp (3.3 kW) Continuous. AC system reads motor speed for accurate speed control in all conditions. Regenerative braking for maximum economy

Battery Charger: 48 VDC PowerWise™ High Frequency, 120/230 VAC 50/60 Hz. Underwriters Laboratories (U.L.) Listed, (C.S.A. Certified)

Electrical System: 48 Volt DC, four, 12 volt deep cycle storage batteries batteries (60 minute minimum, 140 amp-hour @ 20 hr. discharge rate)

Drive Train: Direct motor shaft connected to transaxle pinion shaft

Transaxle: Differential with reverse helical gears

Brakes: Induction motor. Electro-magnetic parking brake is applied automatically

Body Protection: 360° energy transfer bumpers maximize vehicle protection from minor impact

PRODUCT OVERVIEW

Dimensions

Table with 2 columns: Dimension Name and Value. Includes Overall Length (105.5 in), Overall Width (47.0 in), Overall Height (No Canopy) (45.7 in), Overall Height (With Canopy) (74.0 in), Wheel Base (65.7 in), Front Wheel Track (35.5 in), Rear Wheel Track (38.0 in), Gnd Clearance @ Differential (4.5 in).

Performance

Table with 2 columns: Performance Metric and Value. Includes Seating Capacity (4 Person), Dry Weight (645 lb), Curb Weight (1000 lb), Vehicle load capacity (720 lb), Outside Clearance Circle (19.2 ft), Intersecting Aisle Clearance (N/A), Speed (Level Ground) (8-15 mph), Towing Capacity (N/A).

Vehicle Power

Table with 2 columns: Power Component and Value. Includes Power Source (48 Volts DC), Motor Type (48 Volt AC), Horsepower (4.4 hp), Electrical System (48 Volt), Batteries (Four, 12 Volt Deep Cycle), Key or Pedal Start (Pedal), Battery Charger (48 VDC PowerWise™ w/10 ft DC Cord), Speed Controller (235 Amp AC Controller), Drive Train (Motor Shaft Direct Drive), Transaxle (Limited Slip Differential), Gear Selection (Dash Mounted Forward-Neutral-Reverse), Rear Axle Ratio (16.99:1).

Steering & Suspension

Table with 2 columns: Steering/Suspension Component and Value. Includes Steering (Double Ended Rack & Pinion), Front Suspension (Independent A-Arm Coil Over Shock), Rear Suspension (Mono-Leaf Spring With Hydraulic Shocks), Service Brake (Induction Motor), Parking Brake (Automatic Electro-Magnetic), Front Tires (Links 18 x 8.50 - 8 (4 Ply Rated)), Rear Tires (Links 18 x 8.50 - 8 (4 Ply Rated)).

Body & Chassis

Table with 2 columns: Body/Chassis Component and Value. Includes Frame (Welded Steel with DuraShield™ powder coat), Body & Finish (Injection molded TPO), Standard Color (Forest Green).

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
<b>TIRES &amp; WHEELS:</b>				<b>ELECTRICAL:</b>			
<b>Front:</b>				<b>Battery Chargers:</b>			
Links 18 x 8.50 - 8 (4 Ply Rated)	●			Powerwise QE 48 VDC 10 ft (3.0 m) DC Cord	●		
T Shot, 18 x 8.50 - 8 (4 Ply Rated)		●		Powerwise QE 48 VDC 18 ft (5.5 m) DC Cord		●	
<b>Rear:</b>				World Charger 48 VDC 18 ft (5.5 m) DC Cord		●	
Links 18 x 8.50 - 8 (4 Ply Rated)	●			World Charger 48 VDC 10 ft (3.0 m) DC Cord		●	
T Shot, 18 x 8.50 - 8 (4 Ply Rated)		●		<b>Miscellaneous:</b>			
USA Trail 18 x 8.50 - 8 (Load Range C)		●		CE Kit		●	
<b>Wheel Covers:</b>				Headlights & Taillights	●		
Spoke, Platinum		●		Hand Held Diagnostic Unit			●
<b>COLORS:</b>				Heavy Duty Batteries (T-1275)		●	
Body Color (Forest Green) - Freedom	●			Horn	●		
Body Color (Ivory) - Freedom		●		Turn Signals with 4 Way Flashers		●	
Body Color (Patriot Blue) - Freedom		●		State of Charge Meter	●		
Body Color (Black) - Freedom		●		<b>WEATHER PROTECTION:</b>			
Body Color (Burgundy) - Freedom		●		Sun Canopy (Top) Stone Beige 80 in (203 cm)			●
Body Color (Bright White) - Freedom		●		Sun Canopy (Top) Oyster 80 in (203 cm)			●
Body Color (Flame Red) - Freedom		●		Windshield Fold Down (Requires Sun Canopy)			●
Body Color (Steel Blue) - Freedom		●					
Body Color (Platinum) - Freedom		●					
Body Color (Almond) - Freedom		●					
Body Color (Electric Blue) - Freedom		●					
Body Color (Inferno Red) - Freedom		●					
Body Color (Custom) - Freedom		●					
<b>Pin Stripes:</b>							
Gold		●					
<b>Seating</b>							
Seat Color (Stone Beige)	●						
Seat Color (Oyster)		●					
<b>OTHER PERFORMANCE:</b>							
360° Energy Transfer Bumpers	●						
2 Bag Carrier			●				
Ash Tray		●					
Battery Fill System Nozzle (Gun)			●				
Battery Fill System		●					
Glove Box Doors, Driver & Passenger		●					
Message Holder			●				
Mirror, 5 Panel Rear View			●				