



CUSHMAN

MODEL: SHUTTLE 4X
TYPE: ELECTRIC POWERED PERSONNEL CARRIER
MODEL YEAR: 2012
Part No.: 619212



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		Performance	
Overall Length	108.5 in (276 cm)	Seating Capacity	4 Person
Overall Width	48.5 in (123 cm)	Dry Weight	685 lb (311kg) (Without Batteries)
Overall Height (No Canopy)	52.5 in (133 cm) (Top of steering wheel)	Curb Weight	1050 lb (477kg) Trojan T-875
Overall Height (With Canopy)	82.0 in (208 cm) (Top of Sun Canopy)	Vehicle load capacity	800 lb (363 kg)
Wheel Base	65.5 in (166 cm)	Outside Clearance Circle	19 ft (5.8 m)
Front Wheel Track	38.0 in (97 cm)	Intersecting Aisle Clearance	N/A
Rear Wheel Track	38.5 in (98 cm)	Speed (Level Ground)	17.5 mph ± 0.5 mph (28.2 kph ± 0.8 kph)
Gnd Clearance @ Differential	5.5 in (14 cm)	Towing Capacity	N/A
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	48 Volts DC	Rear Suspension	Leaf springs with hydraulic shock absorbers
Motor Type	Shunt Wound	Service Brake	Rear wheel mechanical self-adjusting drum
Horsepower (kW)	3.0 HP (2.2kW) Continuous	Parking Brake	Self-compensating, single point engagement
Electrical System	48 Volt	Front Tires	Trail Wolf 20 x 11 - 10 Uni-directional
Batteries (Qty, Type)	Six, 8 Volt Deep Cycle	Rear Tires	Trail Wolf 20 x 11 - 10 Uni-directional
Key or Pedal Start	Pedal Start	Body & Chassis	
Battery Charger	48 VDC PowerWise™ QE, 120 VAC, UL/CSA	Frame	Welded steel with DuraShield™ powder coat
Speed Controller	250 Amp Solid State Controller	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	Patriot Blue
Gear Selection	Dash Mounted Forward-Neutral-Reverse		
Rear Axle Ratio	14.76:1		

Some items shown may be optional equipment



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OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld
TIRES & WHEELS:			
Front & Rear:			
Trail Wolf 20 x 11 - 10 (4 Ply Rated) Uni-directional	●		
Terra Trac 22 x 11 - 10 with Polished Spoke Wheels		●	
Stryker 22 x 9 - 10 Uni-directional		●	
Turf Saver 20 x 10 - 10 (Load Range B)		●	
COLORS:			
Body Color - Patriot Blue	●		
Body Color - Hunter Green		●	
Body Color - Yellow		●	
Body Color - Orange		●	
Body Color - Bright White		●	
Body Color - Flame Red		●	
Body Color - Black		●	
Body Color - Electric Blue		●	
Body Color - Platinum		●	
Body Color - Inferno Red		●	
Body Color - Metallic Charcoal		●	
Body Color - Steel Blue		●	
Custom Body Color		●	
Pin Stripes:			
Gold (Pewter)		●	
Black		●	
Silver		●	
Seating:			
Seat Color - Tan		●	
Seat Color - White		●	
Seat Color - Oyster		●	
Seat Color - Gray	●		
Seat Color - Black		●	
Seat Color - Brown		●	
Custom Seat Color		●	
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)		●	
Clays Car Kit		●	
Clays Car Full Accy			●

Item	Std	Opt	Fld
Convertible Cargo Deck - Rear Seat	●		
Rear View Mirror (Sun Canopy Required)			●
ELECTRICAL:			
Battery Chargers:			
Powerwise QE 48V 10 ft (3.0 m) DC Cord	●		
Powerwise QE 48V 18 ft (5.5 m) DC Cord		●	
World Charger QE 48V 10 ft (3.0 m) DC Cord		●	
World Charger QE 48V 18 ft (5.5 m) DC Cord		●	
Battery Charger Delete			●
Battery Options			
DC/DC Converter		●	
Battery Fill System - T890			●
Battery Fill System Nozzle, 20' Hose			●
No Battery			●
Battery Fill System - T8V			●
Battery - T890			●
Battery - T8V	●		
Miscellaneous:			
Handheld Programming Unit			●
Brake Lights			●
Defroster/Fan			●
Headlights		●	
Turn Signals with 4-Way Flashers			●
Hour Meter			●
LED Headlight			●
State of Charge Meter		●	
Unique Individually Key Switch			●
Horn		●	
WEATHER PROTECTION:			
Sun Canopy (Top) Tan - 80"			●
Sun Canopy (Top) White - 80"			●
Sun Canopy (Top) Black - 80"			●
Weather Enclosure - Black			●
Weather Enclosure - Gray			●
Weather Enclosure - Green			●
Weather Enclosure - White			●
Weather Enclosure - Tan			●
Windshield Kit (Hardware) 30/70 split			●
Windshield Kit (Hardware) 30/70 Full			●
TRANSAXLE:			
Limited Slip Differential		●	