



CUSHMAN

MODEL: SHUTTLE™ 8
TYPE: ELECTRIC POWERED PERSONNEL CARRIER
MODEL YEAR: 2017
Part No: 626500



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

Battery Charger: 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. Intermittent 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: 4 Wheel Hydraulic Brakes, Front Disk, Rear Drum, Floor Mounted Manual set/released Park Brake w/ Warning Buzzer

PRODUCT OVERVIEW

Dimensions

Overall Length	167.5 in (425.5 cm)
Overall Width	49.5 in (125.7 cm)
Overall Height (No Canopy)	45.5 in (115.6 cm) (Top of steering wheel)
Overall Height (With Canopy)	76.0 in (193 cm)
Wheel Base	123.4 in (313.7 cm)
Front Wheel Track	36.0 in (91.4 cm)
Rear Wheel Track	38.0 in (97 cm)
Gnd Clearance @ Differential	4.3 in (11 cm)

Vehicle Power

Power Source	48 Volts DC
Motor Type	Shunt Wound
Continuous Horsepower (kW)	3.2 hp (2.4 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, 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	8 Person using Flip/Flop (base config)
Seating Capacity option	6 Person using Cargo Deck w/ stake side
Dry Weight	1142 lb (519 kg) (Without Batteries)
Curb Weight	1632 lb (742 kg)
Cargo Deck Capacity	400 lb.
Vehicle load capacity	1600 lb (727 kg)
Outside Clearance Circle	33 ft (10.1 m)
Speed (Level Ground)	13 mph ± 0.5 mph (21 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	4 Wheel hydraulic Brakes, Disk/Front, Drum/Rear
Parking Brake	Floor Mounted Manual Set/Release w/Warning Buzzer
Front Tires	Kenda Load Star, 50 psi
Rear Tires	Kenda Load Star, 70 psi

Body & Chassis

Headlights	Halogen Headlights std
Brake Lights	Rear Brake lights std
Frame	Welded steel. DuraShield™ powder coat
Body & Finish	Injection molded TPO
Seat Pods	ABS, Painted
Standard Color	Patriot Blue

Some items shown may be optional equipment



OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld
TIRES & WHEELS:			
Front:			
Kenda Load Star, Front, 50 psi	X		
Rear:			
Kenda Load Star, Rear, 70 psi	X		
Wheel Covers:			
Spoke, Black & Gold		X	
Spoke, Black & Silver		X	

Item	Std	Opt	Fld
COLORS:			
Body Color - Patriot Blue	X		
Body Color - optional (see price sheet)		X	
Safety Yellow		X	
Custom Body Color (upon request)		X	

Item	Std	Opt	Fld
Pin Stripes:			
Silver		X	
Pewter		X	
Black		X	

Item	Std	Opt	Fld
Seating: Flip/Flop			
Seat Color - Oyster	X		
Seat Color - Tan		X	
Seat Color - Black		X	
Custom Seat Color or Multi color		X	

Item	Std	Opt	Fld
Cargo Deck - Wood Stake Side			
Seat Color - Oyster		X	
Seat Color - Tan		X	
Seat Color - Black		X	
Custom Seat Color or Multi color		X	

Item	Std	Opt	Fld
ELECTRICAL:			
Battery Chargers:			
48 VDC, 10 ft (3 m) DC Cord, World Charger	X		
Battery Charger Delete		X	
Batteries			
Trojan T-105	X		
Trojan T-145		X	
Trojan T-105 w/Hydrolink		X	
Trojan T-145 w/Hydrolink		X	

Item	Std	Opt	Fld
Other Electrical			
Brake Lights	X		
Halogen Headlights	X		
Horn	X		
State of Charge Meter	X		
DC Converter		X	
LED Head Lights		X	
Hour Meter		X	
Individual Key Switch		X	
Unique Group Key Switch		X	
Turn Signals with 4-Way Flashers		X	

Item	Std	Opt	Fld
OTHER PERFORMANCE:			
Ash Tray		X	
Grab Bar for Seat Pod			X
Rear View Mirror (Sun Canopy Required)			X
CE Kit			X

Item	Std	Opt	Fld
WEATHER PROTECTION:			
Sun Canopy 140 in (356 cm) (White)			X
Windshield Flat			X
Windshield Fold Down			X