



CUSHMAN

MODEL: SHUTTLE™ 4 72V
TYPE: ELECTRIC POWERED PERSONNEL CARRIER
MODEL YEAR: 2019
Part No.: 670653



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

- 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 braking
- Six, 12 Volt Deep Cycle
- Full torque, reduced speed reverse
- Inductive throttle sensor
- Diagnostic indicator
- Factory selectable performance options

Battery Charger: 72 VDC. H120/230 VAC 50/60 Hz. Underwriters Laboratories (U.L.) Listed, (C.S.A. Certified)
Motor: 72 volt AC shunt wound, brazed armature, solid copper windings. Peak Horsepower 22.4 hp (16.7 kW)
Drive Train: Direct motor shaft connected to transaxle pinion shaft
Electrical System: 72 Volt DC, six, 12 volt deep cycle storage batteries
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	133.5 in (339 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	72 Volts DC
Motor Type	AC Induction
Intermittent Horsepower (kW)	22.4HP (16.7 kW)
Electrical System	72 Volt
Batteries (Qty, Type)	Six, 12 Volt Deep Cycle
Key or Pedal Start	Pedal Start
Battery Charger	72 VDC, 120/230 VAC, UL & CSA
Speed Controller	350 Amp AC
Drive Train	Motor Shaft Direct Drive
Transaxle	Differential with helical gears
Gear Selection	Dash Mounted Forward-Neutral-Reverse
Rear Axle Ratio	17:1

Performance

Seating Capacity	4 Person
Dry Weight	926 lb (420 kg) (Without Batteries)
Curb Weight	1418 lb (643 kg)
Bed Load Capacity	400 lb (180 kg)
Vehicle load capacity	1200 lb (540 kg)
Outside Clearance Circle	25.5 ft (7.8 m)
Intersecting Aisle Clearance	N/A
High Speed (Level Grnd)	16.5 mph ± 0.5 mph (26.4 kph ± 0.8 kph)
Low Speed (Level Grnd)	12 mph ± 0.5 mph (19.3 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	Hole-N-One 18 x 8.50 - 8 (4 Ply Rated)
Rear Tires	Hole-N-One 18 x 8.50 - 8 (4 Ply Rated)

Body & Chassis

Frame	Welded steel. DuraShield™ powder coat
Body & Finish	Injection molded TPO
Seat Pod	Thermoform ABS
Standard Color	Ivory

Some items shown may be optional equipment



OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld	Item	Std	Opt	Fld
TIRES & WHEELS:				ELECTRICAL:			
Front:				Brake Lights			
Hole-N-One 18x8.5 - 8 (4 Ply)	●			Horn Switch	●		●
USA Trail 18x8.5 - 8 (Load Rance C/6 Ply) (Set of Two)		●		Hour Meter, Hour, SOC, Grn Back Lit	●		
Rear:				Port, USB, Dual, 12V Input			
Hole-N-One 18x8.5 - 8 (4 Ply)	●			Speed Switch, 2 POS (Rabbit/Turtle)	●		
USA Trail 18x8.5 - 8 (Load Rance C/6 Ply) (Set of Two)		●		DC/DC Converter, Isolated, 72V	●		
Wheel Covers:				L.E.D. Headlights			
Silver Metallic (Set of 4)		●		Turn Signals with 4-Way Flashers		●	
Gold Metallic (Set of 4)		●		Unique Group Key Switch		●	
COLORS:				OTHER ENHANCEMENTS:			
Body Color - Ivory	●			Glove Box Door, LH/RH		●	
Body Color - Forest Green		●		Glove Box Door, LH		●	
Body Color - Black		●		Glove Box Door, RH		●	
Body Color - Bright White		●		Poly Cargo Bed		●	
Body Color - Electric Blue		●		BATTERY:			
Body Color - Flame Red		●		T1275 Plus Batteries (12V)	●		
Premium:				T1275 Hydrolink (12V)			
Body Color - Orange		●		Battery Fill Hand Pump		●	●
Body Color - Almond		●		Battery Fill System Nozzle, 20' Hose			●
Body Color - Safety Yellow		●		BATTERY CHARGER:			
Body Color - Platinum		●		Charger, 72V, 1000W, D Plug, Off BD	●		
Body Color - Metallic Charcoal		●		Charger, 72V, 1500W On-Board, High Output		●	
Body Color - Patriot Blue		●		Charger Cord - 5M (16ft) North American (For On-Board)		●	
SEATING:				OTHER ENHANCEMENTS:			
Seat Color 4 (Oyster)	●			Rear View Mirror (Sun Canopy or Cab Required)			●
Seat Color 4 (Tan)		●		Mirror Assy (Sun Canopy or Cab Required)			●
Seat Color 4 (Gray)		●		Kit, Mirror 5 Panel (Sun Canopy or Cab Required)			●
OTHER ENHANCEMENTS:				WEATHER PROTECTION:			
Stake Side Cargo Bed	●			Kit, Split W/Shield Shuttle 4/6			●
Brushguard	●			Windshield Kit, Flat-Clip on CLR			●
Front Hydraulic Disc Brakes		●		Sun Canopy 116" (295 cm) Top (Black)			●
TRANSAXLE:				Sun Canopy 116" (295 cm) Top (Beige)			
Limited Slip Differential		●		Sun Canopy 116" (295 cm) Top (White)			●
				Enclosure, White			●



MODEL: SHUTTLE™ 4 EFI
TYPE: GAS POWERED PERSONNEL CARRIER
MODEL YEAR: 2019
Part No: 657078

PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

Engine: 13.5 hp (10.1 kW) per SAE J1940 standard, 4 cycle, 24.5 ci (401 cc) single cylinder, air-cooled
Valve Train: Overhead valve
Fuel System: Closed-loop electronic fuel injection
Lubrication: Pressurized oil system, spin-on oil filter
Ignition: Electronic inductive spark
Balancer: Internal counter rotating balance shaft
Air Cleaner: Replaceable dry cartridge
Electrical: Starter/Generator, solid-state regulator, 12 Volt maintenance free battery (525 CCA, 85 minute reserve)
Drive Train: Automatic, continuously variable transmission (CVT)
Brakes: Dual rear wheel mechanical self-adjusting drum brakes. Single point park brake release with self-compensating system
Transaxle: Differential with helical gears, ground speed governor, forward/reverse

PRODUCT OVERVIEW

Dimensions

Table with 2 columns: Dimension Name and Value. Includes Overall Length (135.0 in), Overall Width (48.5 in), Overall Height (No Canopy) (48.6 in), Overall Height (With Canopy) (72.0 in), Wheel Base (93.5 in), Front Wheel Track (34.2 in), Rear Wheel Track (38.0 in), Gnd Clearance @ Differential (4.3 in), Cargo Box Width (inside) (42.5 in), Cargo Box Length (inside) (32.0 in), Cargo Box Depth (inside) (11.5 in), Cargo Box Capacity (9 cu ft), Cargo Box material (Wood Stake Sides).

Vehicle Power

Table with 2 columns: Power Component and Specification. Includes Power Source (4 Cycle 24.5 cu in (401 cc)), Valve Train (Single Cylinder OHV), Horsepower (kW) (13.5 hp (10.1 kW)), Electrical System (Starter/Generator. Solid State Regulator), Battery (Qty, Type) (One, 12 Volt Maintenance Free), Key or Pedal Start (Pedal), Air Cleaner (Industrial Rated Dry Filter), Lubrication (Pressurized Oil System), Oil Filter (Spin-On), Cooling System (Air Cooled), Fuel Capacity (5.24 Gallon (19.8 L) tank), Drive Train (Continuously variable transmission (CVT)), Transaxle (Differential with helical gears), Gear Selection (Forward - Reverse), Rear Axle Ratio (11.42:1 (Forward) 14.35:1 (Reverse)).

Performance

Table with 2 columns: Performance Metric and Value. Includes Seating Capacity (4 Person), Dry Weight (896 lb (405 kg)), Curb Weight (936 lb (425 kg)), Bed Load Capacity (400 lb (180 kg)), Vehicle load capacity (1200 lb (545 kg)), Outside Clearance Circle (25.5 ft (7.8 m)), Intersecting Aisle Clearance (N/A), Speed (Level Ground) (14 mph ± 0.5 mph (22.5 kph ± 0.8 kph)), Towing Capacity (N/A).

Steering & Suspension

Table with 2 columns: Steering/Suspension Component and Description. Includes Steering (Self-compensating reduction 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 (18 x 8.50 - 8 (4 Ply Rated)), Rear Tires (18 x 8.50 - 8 (4 Ply Rated)).

Body & Chassis

Table with 2 columns: Body/Chassis Component and Description. Includes Frame (Welded steel. DuraShield™ powder coat), Front & Rear Body & Finish (Injection molded TPO, Painted), Seat Pod & Finish (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:			
18 x 8.50 - 8 (4 Ply Rated)	X		
Improved Surface 18 x 8.50 - 8 (Load Range C)		X	
Rear:			
18 x 8.50 - 8 (4 Ply Rated)	X		
Improved Surface 18 x 8.50 - 8 (Load Range C)		X	

Item	Std	Opt	Fld
Wheel Covers:			
Spoke, Gold		X	
Spoke, Silver		X	

Item	Std	Opt	Fld
COLORS:			
Body Color - Patriot Blue	X		
Body Color - Forest Green		X	
Body Color - Ivory		X	
Body Color - Safety Yellow		X	
Body Color - Black		X	
Body Color - Inferno Red		X	
Body Color - Bright White		X	
Body Color - Flame Red		X	
Body Color - Platinum		X	
Body Color - Burgundy		X	
Body Color - Almond		X	
Body Color - Electric Blue		X	
Body Color - Metallic Charcoal		X	
Body Color - Sunburst Orange		X	
Body Color - Oasis Green		X	

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

Item	Std	Opt	Fld
Seating:			
Seat Color - Oyster	X		
Seat Color - Gray		X	
Seat Color - Tan		X	
Custom Seat Color (upon request)		X	

Item	Std	Opt	Fld
ELECTRICAL:			
Head Lights	X		
Horn	X		
Fuel Gauge	X		
Low Oil Indicator	X		
Individual Key Switch		X	
Unique Group Key Switch		X	
Brake Lights		X	
Hour Meter		X	
LED Headlights		X	
Turn Signals with 4-Way Flashers		X	

Item	Std	Opt	Fld
OTHER PERFORMANCE:			
Cargo Bed	X		
Front Hydraulic Disc Brakes		X	
CE Kit		X	
Fender Flare	X		
Brush Guard	X		

Item	Std	Opt	Fld
TRANSAXLE:			
Limited Slip Differential		X	

Item	Std	Opt	Fld
WEATHER PROTECTION:			
Sun Canopy 118 in (300 cm) (Beige)			X
Sun Canopy 118 in (300 cm) (White)			X
Sun Canopy 118 in (300 cm) (Black)			X
Windshield Flat			X
Windshield Fold Down			X
Rear View Mirror (Sun Canopy Required)			X