



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 |
|--|-----|-----|-----|
| TIRES & WHEELS: | | | |
| Front: | | | |
| Hole-N-One 18x8.5 - 8 (4 Ply) | ● | | |
| USA Trail 18x8.5 - 8 (Load Rance C/6 Ply) (Set of Two) | | ● | |
| Rear: | | | |
| Hole-N-One 18x8.5 - 8 (4 Ply) | ● | | |
| USA Trail 18x8.5 - 8 (Load Rance C/6 Ply) (Set of Two) | | ● | |
| Wheel Covers: | | | |
| Silver Metallic (Set of 4) | | ● | |
| Gold Metallic (Set of 4) | | ● | |
| COLORS: | | | |
| Body Color - Ivory | ● | | |
| Body Color - Forest Green | | ● | |
| Body Color - Black | | ● | |
| Body Color - Bright White | | ● | |
| Body Color - Electric Blue | | ● | |
| Body Color - Flame Red | | ● | |
| Premium: | | | |
| Body Color - Orange | | ● | |
| Body Color - Almond | | ● | |
| Body Color - Safety Yellow | | ● | |
| Body Color - Platinum | | ● | |
| Body Color - Metallic Charcoal | | ● | |
| Body Color - Patriot Blue | | ● | |
| SEATING: | | | |
| Seat Color 4 (Oyster) | ● | | |
| Seat Color 4 (Tan) | | ● | |
| Seat Color 4 (Gray) | | ● | |
| OTHER ENHANCEMENTS: | | | |
| Stake Side Cargo Bed | ● | | |
| Brushguard | ● | | |
| Front Hydraulic Disc Brakes | | ● | |
| TRANSAXLE: | | | |
| Limited Slip Differential | | ● | |

| Item | Std | Opt | Fld |
|--|-----|-----|-----|
| ELECTRICAL: | | | |
| Brake Lights | | | ● |
| Horn Switch | ● | | |
| Hour Meter, Hour, SOC, Grn Back Lit | ● | | |
| Port, USB, Dual, 12V Input | ● | | |
| Speed Switch, 2 POS (Rabbit/Turtle) | ● | | |
| DC/DC Converter, Isolated, 72V | ● | | |
| L.E.D. Headlights | | | ● |
| Turn Signals with 4-Way Flashers | | | ● |
| Unique Group Key Switch | | | ● |
| OTHER ENHANCEMENTS: | | | |
| Glove Box Door, LH/RH | | | ● |
| Glove Box Door, LH | | | ● |
| Glove Box Door, RH | | | ● |
| Poly Cargo Bed | | | ● |
| BATTERY: | | | |
| T1275 Plus Batteries (12V) | ● | | |
| T1275 Hydrolink (12V) | | ● | |
| Battery Fill Hand Pump | | | ● |
| Battery Fill System Nozzle, 20' Hose | | | ● |
| BATTERY CHARGER: | | | |
| Charger, 72V, 1000W, D Plug, Off BD | ● | | |
| Charger, 72V, 1500W On-Board, High Output | | ● | |
| Charger Cord - 5M (16ft) North American (For On-Board) | | ● | |
| OTHER ENHANCEMENTS: | | | |
| Rear View Mirror (Sun Canopy or Cab Required) | | | ● |
| Mirror Assy (Sun Canopy or Cab Required) | | | ● |
| Kit, Mirror 5 Panel (Sun Canopy or Cab Required) | | | ● |
| WEATHER PROTECTION: | | | |
| Kit, Split W/Shield Shuttle 4/6 | | | ● |
| Windshield Kit, Flat-Clip on CLR | | | ● |
| Sun Canopy 116" (295 cm) Top (Black) | | | ● |
| Sun Canopy 116" (295 cm) Top (Beige) | | | ● |
| Sun Canopy 116" (295 cm) Top (White) | | | ● |
| Enclosure, White | | | ● |