



CUSHMAN

MODEL: TITAN (2 PASSENGER)
TYPE: 48 VOLT ELECTRIC POWERED
PERSONNEL CARRIER
MODEL YEAR: 2011
Part No.: 600410



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

Battery Charger: On-board, Delta Q. Underwriters Laboratories. (U.L.) Listed, (C.S.A. Certified)
● Input: 100 – 240 Volt, 50/60 Hz, 10/5 amp ● Output: 48 VDC at 18 amp. 14.5 amp @ 100 VAC

Motor: 48 Volt DC shunt wound, brazed armature, solid copper windings. Non-vented 15.2 hp (11.3 kW) @ 1600 rpm (1 hour)
Drive Train: Direct motor shaft connected to transaxle pinion shaft
Electrical System: 48 Volt DC, eight, 6 volt deep cycle batteries (115 minute minimum, 225 amp-hour @ 20 hr. discharge rate) in two swing out battery trays
Transaxle: Differential with helical gears
Brakes: Dual rear wheel hydraulic 7 in (18 cm) self-adjusting drum brakes. Front hydraulic brakes optional. Mechanical hand operated park brake
Cargo Bed: Plywood 75 in x 41 in (191 x 105 cm). Lifts for access to powertrain.
Capacity: Seating for 2 persons

PRODUCT OVERVIEW

Dimensions

| | |
|---------------------------------|--------------------|
| Overall Length | 114.0 in (290 cm) |
| Overall Width | 44.5 in (113 cm) |
| Overall Height (Steering Wheel) | 46.0 in (117 cm) |
| Overall Height (Optional Cab) | 72.0 in (183 cm) |
| Wheel Base | 66.0 in (168 cm) |
| Front Wheel Track | 36.8 in (93 cm) |
| Rear Wheel Track | 36.3 in (92 cm) |
| Gnd Clearance @ Differential | 4.75 in (12 cm) |
| Cargo Deck Width | 41.5 in (105 cm) |
| Cargo Deck Length | 75.0 in (191 cm) |
| Cargo Deck Load Height | 29.0 in (74 cm) |
| Cargo Deck Material | Heavy Duty Plywood |

Vehicle Power

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|-----------------------|---|
| Power Source | 48 Volts DC |
| Motor Type | Shunt Wound |
| Horsepower (kW) | 15.2 hp (11.3 kW) @ 1600 rpm |
| Electrical System | 48 Volt |
| Batteries (Qty, Type) | Eight, 6 Volt Deep Cycle, Swing Out Batteries |
| Key or Pedal Start | Pedal Start |
| Battery Charger | 48 V On-Board, Delta Q 120 VAC, UL/CSA |
| Speed Controller | Solid State 400 Amp Precision Drive System |
| Drive Train | Motor Shaft Direct Drive |
| Transaxle | Differential with Helical Gears |
| Gear Selection | Dash Mounted Forward-Neutral-Reverse |
| Rear Axle Ratio | 14.76:1 |

Performance

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|------------------------------|--|
| Capacity | 2 Persons |
| Dry Weight | 1225.0 lb (560 kg) (Without Batteries) |
| Curb Weight | 1720.0 lb (780 kg) |
| Cargo Deck Load Capacity | 2500 lb (1135 kg) |
| Vehicle load capacity | 3000 lb (1360 kg) |
| Outside Clearance Circle | 22.0 ft (6.7 m) |
| Intersecting Aisle Clearance | 84.0 in (213 cm) |
| Speed (Level Ground) | 13 mph ± 0.5 mph (21 kph ± 0.8 kph) |

Steering & Suspension

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|------------------|---|
| Steering | Worm Gear |
| Front Suspension | Independent, Transverse Leaf Spring, Shocks |
| Rear Suspension | Leaf Springs & Shock Absorbers |
| Service Brake | Rear Wheel Hydraulic Drum. Front Optional |
| Parking Brake | Hand Operated Mechanical |
| Front Tire | 5.70 x 8 (Load Range C) |
| Rear Tires | 5.70 x 8 (Load Range C) |

Body & Chassis

| | |
|----------------|---|
| Frame & Body | Welded steel with DuraShield™ powder coat |
| Body & Finish | Diamond plate ptn. Polyester primer + acrylic |
| Standard Color | Yellow |

Some items shown may be optional equipment

