



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

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

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

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

