



CUSHMAN

MODEL: TITAN HD (2 PASSENGER)
TYPE: 36 VOLT MATERIALS CARRIER
PART NO: 600411



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

Battery Charger: On-board, fully line compensating. Underwriters Laboratories. (U.L.) Listed, (C.S.A. Certified)
Input: 110 – 120 Volt, 60 Hz, 10.5 amp
Output: 36 VDC at 21 amps. 10.5 amp @ 120 VAC

Motor: 36 Volt DC series wound, brazed armature, solid copper windings. Vented 8 hp (6 kW) @ 1600 rpm

Drive Train: Direct motor shaft connected to transaxle pinion shaft

Electrical System: 36 Volt DC, six, 6 volt deep cycle batteries (115 minute minimum, 225 amp-hour @ 20 hr. discharge rate) in 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

Towing: 4,600 lbs (2086 kg) **Draw Bar Pull (Normal):** 138 lbs (63 kg) - per ANSI B56.9

PRODUCT OVERVIEW

DIMENSIONS

Overall Length 114.0 in (290 cm)
 Overall Width 44.5 in (113 cm)
 Overall Height (Steering Whl) 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 36 Volts DC
 Motor Type Series Wound
 Horsepower (kW) 8.0 hp (6 kW) @ 1600 rpm
 Electrical System 36 Volt
 Batteries (Qty, Type) Six, 6 Volt Deep Cycle, Swing Out Batteries
 Key or Pedal Start Pedal Start
 Battery Charger 36 V On-Board, 120 VAC, UL & CSA
 Speed Controller Solid State 400 Amp Rated
 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 1040.0 lb (475 kg) (Without Batteries)
 Curb Weight 1410.0 lb (640 kg)
 Cargo Deck Load Capacity 2200 lb (1000 kg)
 Vehicle load capacity 2600 lb (1182 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



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FEATURES AND OPTIONS *

FEATURE	STD	OPT	FLD	PART NUMBER
TIRES & WHEELS:				
Front & Rear:				
5.70 x 8 (Load Range C)	X			600499
5.70 x 8 (Load Range B) Foam Filled		X		602490
5.70 x 8 Solid		X		630432
5.70 x 8 Non-Marking Solid		X		630433
COLORS:				
Vehicle Color - Yellow	X			600119M & 600116
Vehicle Color - Custom Color		X		Factory to provide
ELECTRICAL:				
Battery Chargers:				
36 Volt On-Board, 120 VAC, UL & CSA	X			
36 Volt Portable w/10 ft DC Cord, 120/230 VAC		X		603679
36 Volt Portable w/18 ft DC Cord, 120/230 VAC		X		603678
Batteries				
T-105 Battery Set	X			604872
T-145 48V 250 AH Battery Upgrade		X		605559
Electrical				
Brake Lights	X			600507
Horn	X			600507
Hour Meter	X			600507
Operator Presence Switch	X			600507
State of Charge Meter	X			600507
Headlights (includes DC/DC converter)		X		602445
Headlights & Turn Signals		X		601654
Forward Motion Indicator		X		602746
Type 'E' Classification				Available on Titan XD
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OTHER PERFORMANCE:				
Rear Hydraulic Brakes	X			600456
Front Hydraulic Brakes		X		601216
Bumper (Front)		X		601228
Bumper (Rear)		X		601229
Cargo Deck (Steel)		X		602486
Differential Scuff Guard		X		72764G01
Hitch, Clevis - 5/8" hole (Requires Rear Bumper)		X		602133
Hitch, Pintle (Requires Rear Bumper)		X		601927
Drop Rails			X	602502P
Box Sides & Tailgate - Custom Color			X	Factory determined
Weather Protection:				
Cab without Doors, Yellow			X	604862
Cab with Doors, Yellow			X	604358
Cab without Doors, White			X	612590
Cab with Doors, White			X	612591
Sun Canopy (Top) Short			X	602134
Sun Canopy (Top) Long			X	602332
Weather Protection Enclosed (Long Top & Wndshld Reqd)			X	602628
Windshield, Fold Down (Short Sun Canopy Reqd)			X	74190G01
Windshield (Long Sun Canopy Reqd)			X	602908

* Field options do not include installation

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 Terms: Net 30 days