

MODEL: TITAN (2 PASSENGER)
TYPE: 36 VOLT ELECTRIC POWERED
BURDEN CARRIER

MODEL YEAR: 2010

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 Volt at 21 amps. DC

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

PRODUCT OVERVIEW

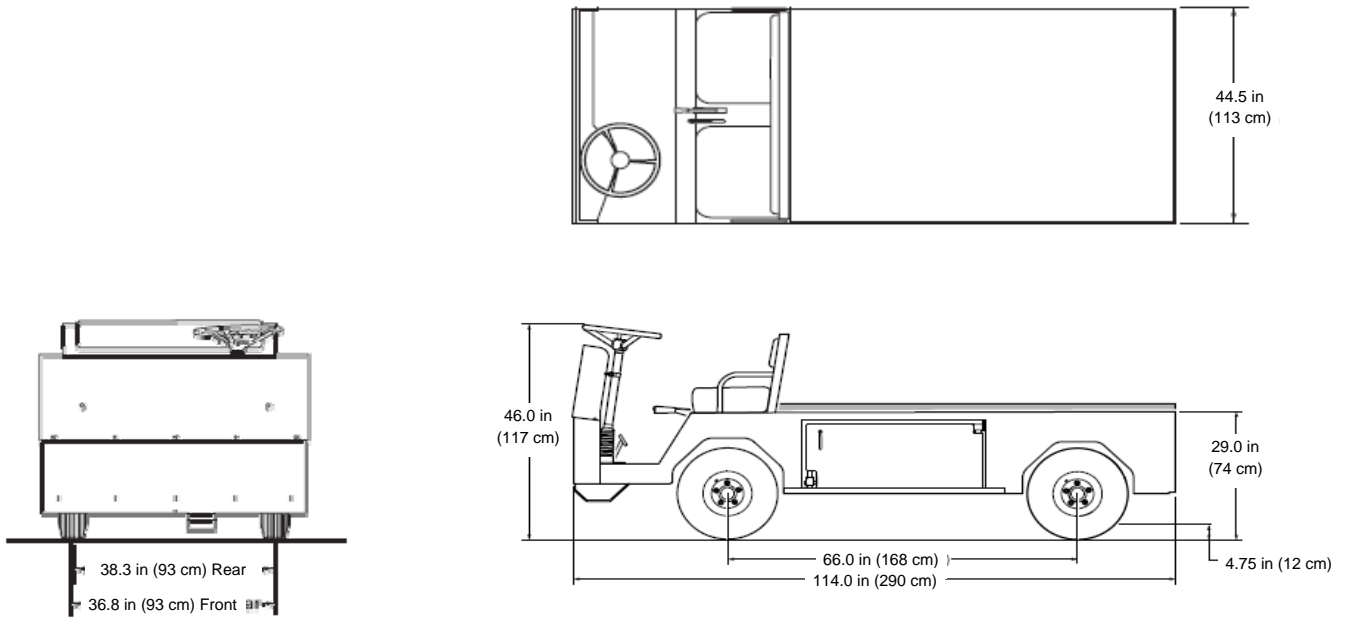
Dimensions		Performance	
Overall Length	114.0 in (290 cm)	Capacity	2 Persons
Overall Width	44.5 in (113 cm)	Dry Weight	1040.0 lb (475 kg) (Without Batteries)
Overall Height (Steering Whl)	46.0 in (117 cm)	Curb Weight	1410.0 lb (640 kg)
Overall Height (Optional Cab)	72.0 in (183 cm)	Cargo Deck Load Capacity	2500 lb (1135 kg)
Wheel Base	66.0 in (168 cm)	Vehicle Load Capacity	3000 lb (1360 kg)
Front Wheel Track	36.8 in (93 cm)	Vehicle Towing Capacity	4600 lb (2090 kg)
Rear Wheel Track	36.3 in (92 cm)	Outside Clearance Circle	22.0 ft (6.7 m)
Gnd Clearance @ Differential	4.75 in (12 cm)	Intersecting Aisle Clearance	84.0 in (213 cm)
Cargo Deck Width	41.5 in (105 cm)	Speed (Level Ground)	13 mph ± 0.5 mph (21 kph ± 0.8 kph)
Cargo Deck Length	75.0 in (191 cm)	Steering & Suspension	
Cargo Deck Load Height	29.0 in (74 cm)	Steering	Worm Gear
Cargo Deck Material	Heavy Duty Plywood	Front Suspension	Independent, Transverse Leaf Spring, Shocks
Vehicle Power		Rear Suspension	Leaf Springs & Shock Absorbers
Power Source	36 Volts DC	Service Brake	Rear Wheel Hydraulic Drum. Front Optional
Motor Type	Series Wound	Parking Brake	Hand Operated Mechanical
Horsepower (kW)	8.0 hp (6 kW) @ 1600 rpm	Front Tire	5.70 x 8 (Load Range C)
Electrical System	36 Volt	Rear Tires	5.70 x 8 (Load Range C)
Batteries (Qty, Type)	Six, 6 Volt Deep Cycle, Swing Out Batteries	Body & Chassis	
Key or Pedal Start	Pedal Start	Frame & Body	Welded steel with DuraShield™ powder coat
Battery Charger	36 V On-Board, 120 VAC, UL & CSA	Body & Finish	Diamond plate ptn. Polyester primer + acrylic
Speed Controller	Solid State 400 Amp Rated	Standard Color	Yellow
Drive Train	Motor Shaft Direct Drive		
Transaxle	Differential with Helical Gears		
Gear Selection	Dash Mounted Forward-Neutral-Reverse		
Rear Axle Ratio	14.76:1		

Some items shown may be optional equipment

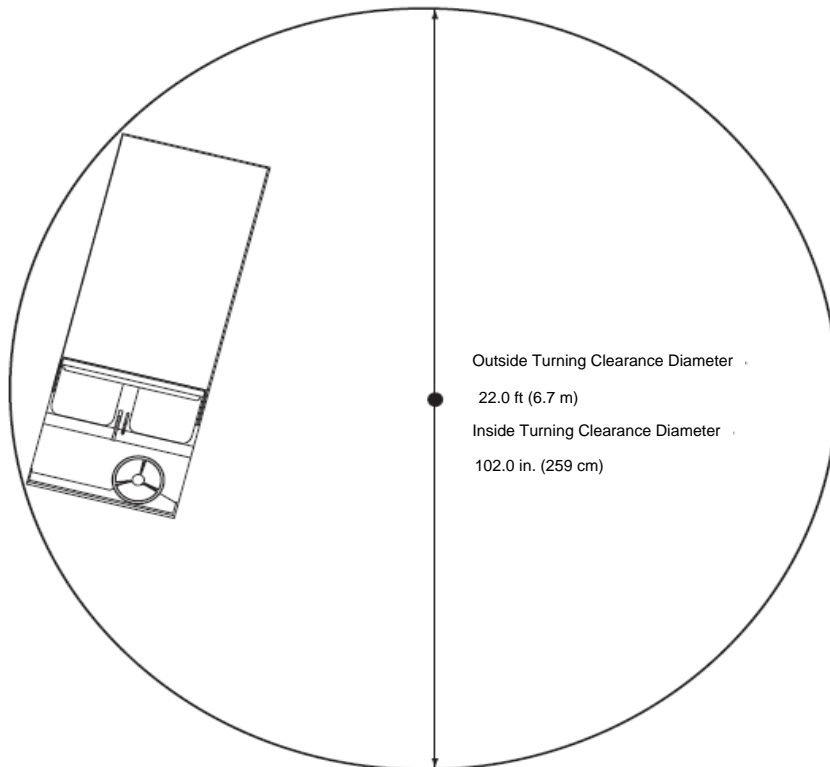
OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld	Item	Std	Opt	Fld
TIRES & WHEELS:				ELECTRICAL:			
Front & Rear:				Battery Chargers			
5.70 x 8 (Load Range C)	●			36 VDC Lester On-Board, 120V/60 HZ UL/CSA	●		
5.70 x 8 (Load Range B) Foam Filled		●		36 VDC Delta Q Portable, 10 ft. DC Cord, UL/CSA			●
VEHICLE COLORS:				36 VDC Delta Q Portable, 18 ft. DC Cord UL/CSA			
Safety Yellow	●			Batteries			
Hunter Green		●		Trojan T-105 36V Battery Pack	●		
White		●		Trojan T-145 36V Battery Pack		●	
Red		●		Battery Tray			
Orange		●		Swing Out Battery Trays	●		
OTHER PERFORMANCE:				Lighting Package:			
Rear Hydraulic Brakes	●			Brake Lights	●		
Front Hydraulic Brakes		●		Headlights		●	
Bumper - Front		●		Headlights & Turn Signals		●	
Bumper - Rear		●		Miscellaneous Electrical:			
Clevis Hitch (Requires Rear Bumper)			●	Horn	●		
Pintle Hitch (Requires Rear Bumper)			●	Hour Meter	●		
Steel Cargo Deck		●		Operator Presence Switch	●		
Box Sides & Tailgate		●		State of Charge Meter	●		
Drop Rails		●		Forward Motion Indicator		●	
Differential Scuff Guard			●	VEHICLE LEVEL CERTIFICATIONS			
18" Cargo Bed Extension			●	Underwriters Laboratories (UL) Type 'E' Certification	●		
WEATHER PROTECTION:				Underwriters Laboratories (UL) Type 'EE' Certification		●	
Sun Canopy (Top) Short			●				
Sun Canopy (Top) Long			●				
Weather Enclosure (Long Canopy & Windshld Required)			●				
Windshield, Fold Down (Requires Short Sun Canopy)			●				
Windshield (Long Sun Canopy Required)			●				
Cab with Doors (Yellow)			●				
Cab without Doors (Yellow)			●				

DIMENSIONS



CLEARANCE CIRCLE DIAGRAM



MODEL: TITAN (4 PASSENGER)
TYPE: 36 VOLT ELECTRIC POWERED
PERSONNEL & BURDEN CARRIER
MODEL YEAR: 2010
Part No.: 600412



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 Volt at 21 amps. DC

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

Carriage Bed: Rear seat lowered, plywood 75 in x 41 in (191 x 105 cm). Lifts for access to powertrain.

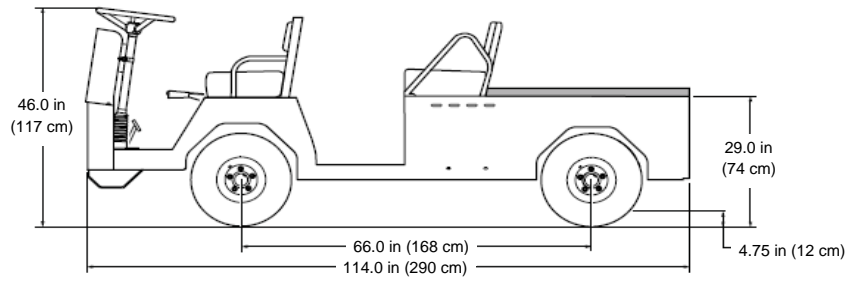
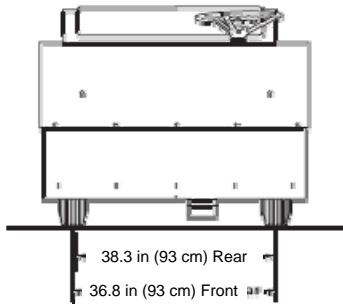
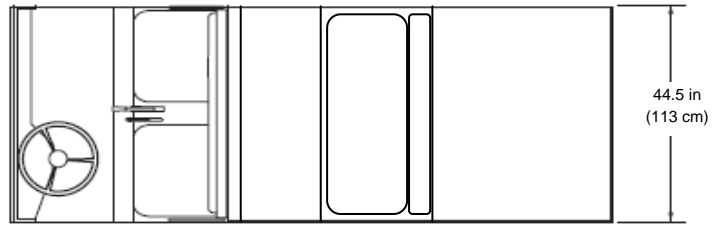
Capacity: Seating for 4 persons with rear seat raised

PRODUCT OVERVIEW

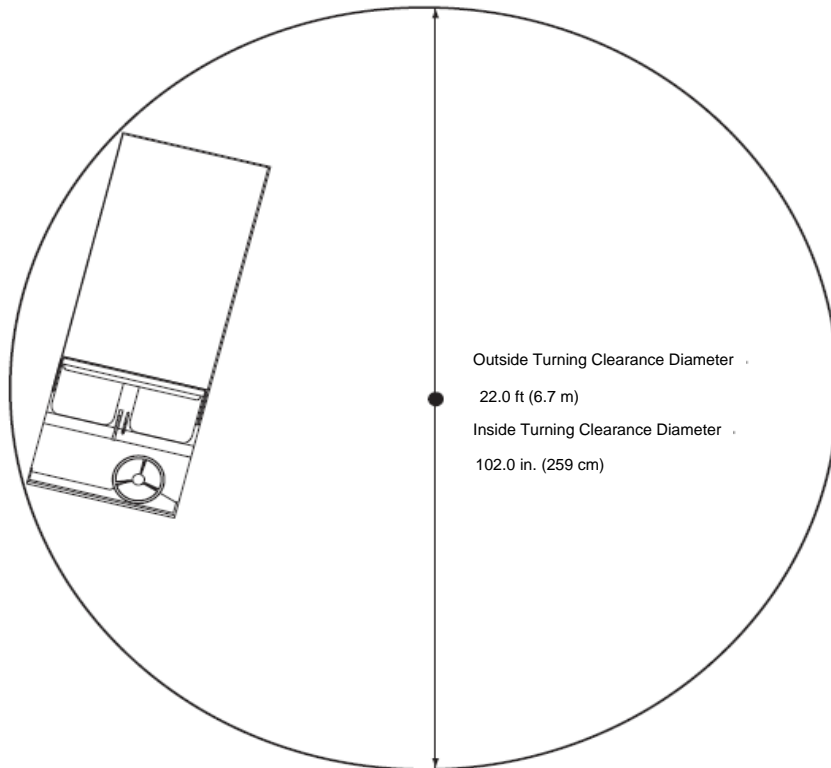
Dimensions		Performance	
Overall Length	114.0 in (290 cm)	Capacity	4 Persons (Rear seat up). 2 Persons (Seat down)
Overall Width	44.5 in (113 cm)	Dry Weight	1040.0 lb (475 kg) (Without Batteries)
Overall Height (Steering Wheel)	46.0 in (117 cm)	Curb Weight	1410.0 lb (640 kg)
Overall Height (Optional Cab)	72.0 in (183 cm)	Cargo Deck Load Capacity	2500 lb (1135 kg)
Wheel Base	66.0 in (168 cm)	Vehicle Load Capacity	3000 lb (1360 kg)
Front Wheel Track	36.8 in (93 cm)	Vehicle Towing Capacity	4600 lb (2090 kg)
Rear Wheel Track	36.3 in (92 cm)	Outside Clearance Circle	22.0 ft (6.7 m)
Gnd Clearance @ Differential	4.75 in (12 cm)	Intersecting Aisle Clearance	84.0 in (213 cm)
Cargo Deck Width	41.5 in (105 cm)	Speed (Level Ground)	13 mph ± 0.5 mph (21 kph ± 0.8 kph)
Cargo Deck Length (rear seat down)	75.0 in (191 cm)	Steering & Suspension	
Cargo Deck Length (rear seat up)	36.0 in (91 cm)	Steering	Worm Gear
Cargo Deck Load Height	29.0 in (74 cm)	Front Suspension	Independent, Transverse Leaf Spring, Shocks
Cargo Deck Material	Heavy Duty Plywood	Rear Suspension	Leaf Springs & Shock Absorbers
Vehicle Power		Service Brake	Rear Wheel Hydraulic Drum. Front Optional
Power Source	36 Volts DC	Parking Brake	Hand Operated Mechanical
Motor Type	Series Wound	Front Tire	5.70 x 8 (Load Range C)
Horsepower (kW)	8.0 hp (6 kW) @ 1600 rpm	Rear Tires	5.70 x 8 (Load Range C)
Electrical System	36 Volt	Body & Chassis	
Batteries (Qty, Type)	Six, 6 Volt Deep Cycle	Frame & Body	Welded steel with DuraShield™ powder coat
Key or Pedal Start	Pedal Start	Body & Finish	Diamond plate ptn. Polyester primer + acrylic
Battery Charger	36 V On-Board, 120 VAC, UL & CSA	Standard Color	Yellow
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		

Some items shown may be optional equipment

DIMENSIONS



CLEARANCE CIRCLE DIAGRAM



MODEL: TITAN (2 PASSENGER)
TYPE: 48 VOLT ELECTRIC POWERED
BURDEN CARRIER
MODEL YEAR: 2010
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)
Vehicle Towing Capacity	4600 lb (2090 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

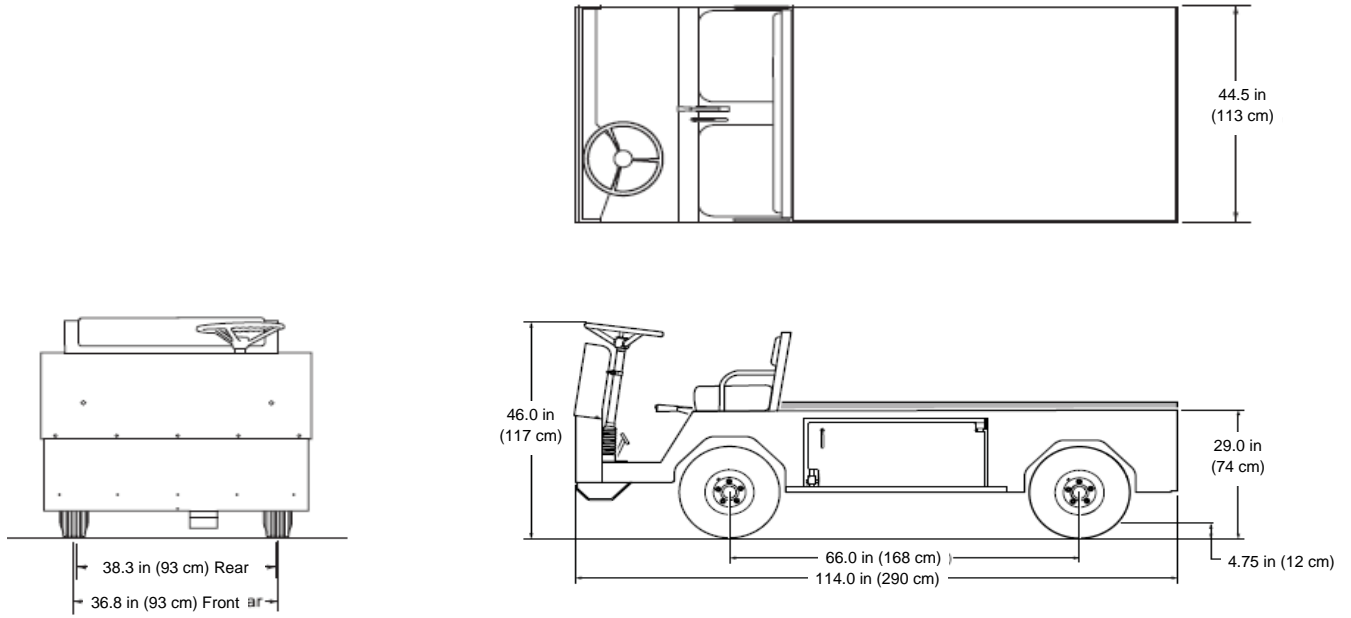
Frame & Body	Welded steel with DuraShield™ powder coat
Body & Finish	Diamond plate ptn. Polyester primer + acrylic
Standard Color	Yellow

Some items shown may be optional equipment

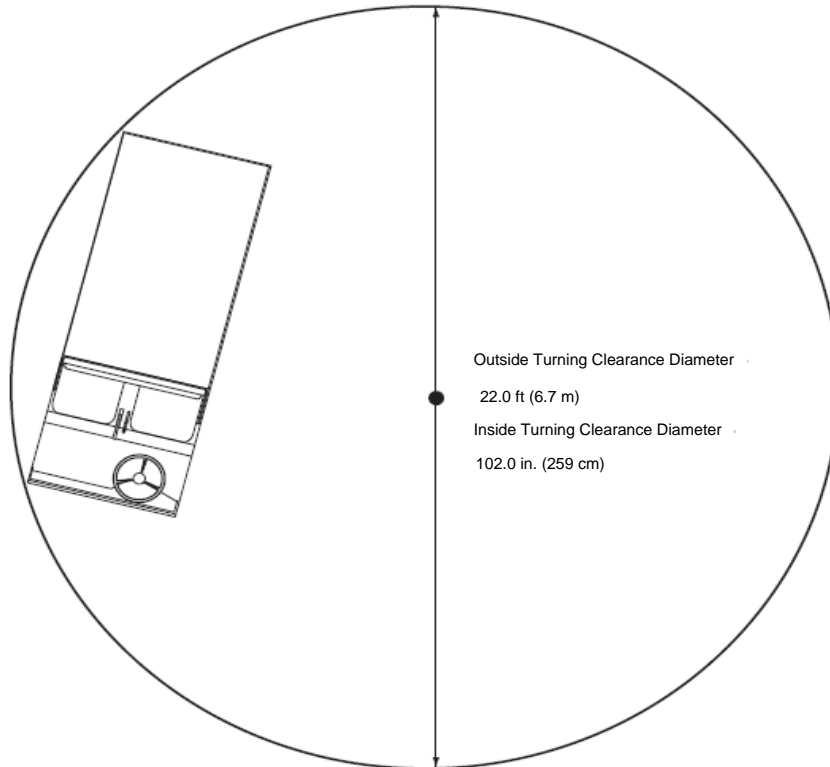
OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld	Item	Std	Opt	Fld
TIRES & WHEELS:				ELECTRICAL:			
Front & Rear:				Battery Chargers			
5.70 x 8 (Load Range C)	●			48 VDC Delta Q On-Board, UL/CSA	●		
5.70 x 8 (Load Range B) Foam Filled		●		48 VDC Delta Q Portable, 10 ft. DC Cord, UL/CSA			●
VEHICLE COLORS:				48 VDC Delta Q Portable, 18 ft. DC Cord UL/CSA			
Safety Yellow	●			Batteries			
Hunter Green		●		Trojan T-105 48V Battery Pack	●		
White		●		Trojan T-145 48V Battery Pack		●	
Red		●		Battery Tray			
Orange		●		Swing Out Battery Trays	●		
OTHER PERFORMANCE:				Lighting Package:			
Rear Hydraulic Brakes	●			Brake Lights	●		
Front Hydraulic Brakes		●		Headlights		●	
Bumper - Front		●		Headlights & Turn Signals		●	
Bumper - Rear		●		Miscellaneous Electrical:			
Clevis Hitch (Requires Rear Bumper)			●	Horn	●		
Pintle Hitch (Requires Rear Bumper)			●	Hour Meter	●		
Steel Cargo Deck		●		Operator Presence Switch	●		
Box Sides & Tailgate		●		State of Charge Meter	●		
Drop Rails		●		Forward Motion Indicator		●	
Differential Scuff Guard			●	VEHICLE LEVEL CERTIFICATIONS			
18" Cargo Bed Extension			●	Underwriters Laboratories (UL) Type 'E' Certification	●		
WEATHER PROTECTION:				Underwriters Laboratories (UL) Type 'EE' Certification			
Sun Canopy (Top) Short			●				
Sun Canopy (Top) Long			●				
Weather Enclosure (Long Canopy & Windshld Required)			●				
Windshield, Fold Down (Requires Short Sun Canopy)			●				
Windshield (Long Sun Canopy Required)			●				
Cab with Doors (Yellow)			●				
Cab without Doors (Yellow)			●				

DIMENSIONS



CLEARANCE CIRCLE DIAGRAM



MODEL: TITAN (4 PASSENGER)
TYPE: 48 VOLT ELECTRIC POWERED
PERSONNEL & BURDEN CARRIER
MODEL YEAR: 2010
Part No.: 609634G01



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 4 persons with rear seat raised

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 (rear seat down)	75.0 in (191 cm)
Cargo Deck Length (rear seat up)	36.0 in (91 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	4 Persons (Rear seat up). 2 Persons (Seat down)
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)
Vehicle Towing Capacity	4600 lb (2090 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

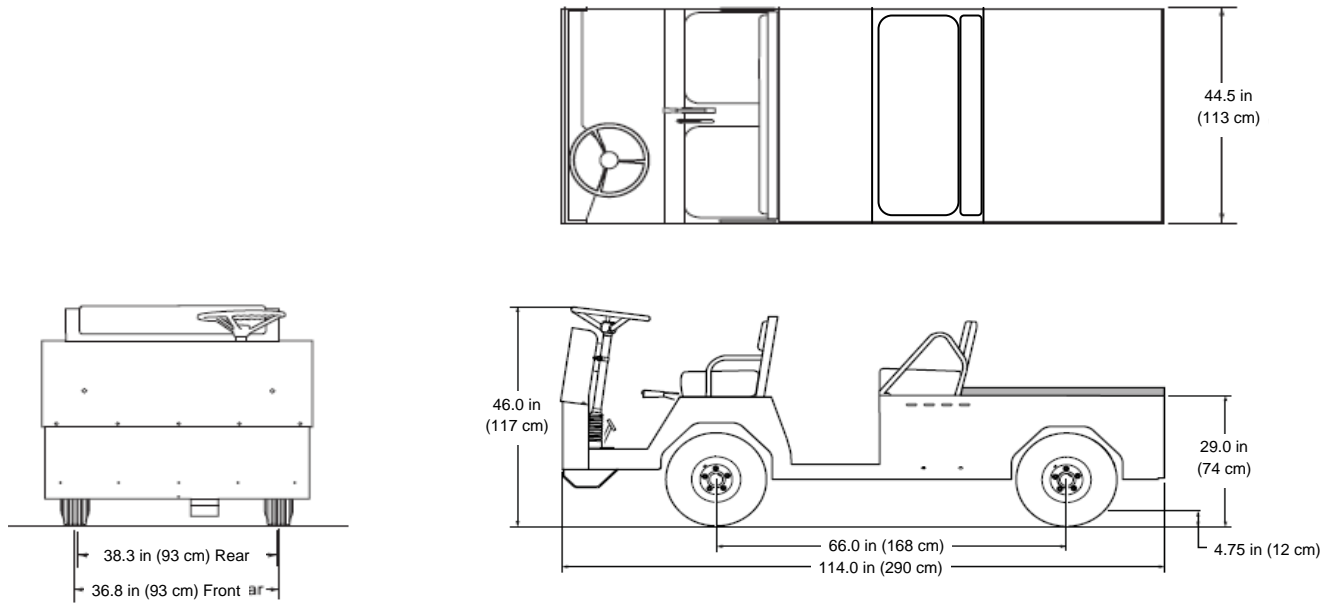
Steering	Worm Gear
Front Suspension	Independent, Transverse Leaf Spring, Shocks
Rear Suspension	Leaf Springs & Shock Absorbers
Service Brake	Rear Wheel Hydraulic Drum. Front Optional
Parking Brake	Hand Operated Mechanical
Front Tire	5.70 x 8 (Load Range C)
Rear Tires	5.70 x 8 (Load Range C)

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

DIMENSIONS



CLEARANCE CIRCLE DIAGRAM

Vehicle Shown with Rear Seat in the Down Position

