



**CUSHMAN**

**MODEL: COMMANDER 280**  
**TYPE: ELECTRIC POWERED TRUCK**  
**MODEL YEAR: 2011**  
Part No.: 76240



### PRODUCT SPECIFICATION

### CONFIGURATION HIGHLIGHTS

**Battery Charger:** PowerWise™ 36QE high frequency, fully line compensating. 10 ft (3 m) DC Cord. Underwriters Lab. (U.L.) Listed, (C.S.A. Certified)

- Input: 110 – 120 Volt, 50/60 Hz, 8 amp
- Output: 36 Volt at 16 amps. DC

**Motor:** 36 Volt DC series wound, brazed armature, solid copper windings

**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)

**Transaxle:** Differential with helical gears

**Brakes:** Dual rear wheel mechanical self-adjusting drum brakes. Automatic single point park brake release with self-compensating system

**Cargo Bed:** Roto-molded cross-linked polyethylene. Lifts for access to powertrain. Removable hinged multi-position tailgate requires no latch mechanism

### PRODUCT OVERVIEW

#### Dimensions

Overall Length	103.0 in (262 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)	68.0 in (173 cm)
Wheel Base	65.5 in (166 cm)
Front Wheel Track	37.0 in (94 cm)
Rear Wheel Track	38.0 in (97 cm)
Gnd Clearance @ Differential	4.3 in (11 cm)
Cargo Box Width (inside)	44.5 in (113 cm)
Cargo Box Length (inside)	30.5 in (77 cm)
Cargo Box Depth (inside)	7.5 in (19 cm)
Cargo Box Capacity	5.9 cu ft (0.17 m3)
Cargo Box material	Roto-molded polyethylene

#### Vehicle Power

Power Source	36 Volts DC
Motor Type	Series Wound
Horsepower (kW)	2.5 hp (1.9 kW) @ 2700 rpm
Electrical System	36 Volt
Batteries (Qty, Type)	Six, 6 Volt Deep Cycle
Key or Pedal Start	Pedal Start
Battery Charger	36 V PowerWise QE, 120 VAC, UL & CSA
Speed Controller	Solid State 300 Amp Rated
Drive Train	Motor Shaft Direct Drive
Transaxle	Differential with helical gears
Gear Selection	Forward-Neutral-Reverse
Rear Axle Ratio	12.44:1

#### Performance

Seating Capacity	2 Person
Dry Weight	675 lb (310 kg) (Without Batteries)
Curb Weight	1040 lb (64 kg)
Bed Load Capacity	500 lb (230 kg)
Vehicle load capacity	800 lb (360 kg)
Outside Clearance Circle	18.9 ft (5.76 m)
Intersecting Aisle Clearance	N/A
Speed (Level Ground)	13 mph ± 0.5 mph (21 kph ± 0.8 kph)
Towing Capacity	500 lb (230 kg) max load

#### 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	5.70 x 8 - 8 (Load Range C)
Rear Tires	5.70 x 8 - 8 (Load Range C)

#### Body & Chassis

Frame	Welded steel with DuraShield™ powder coating
Front Body & Finish	Injection Molded TPO
Rear Body & Finish	Steel. Base coat/clear coat
Standard Color	Ivory

*Some items shown may be optional equipment*



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**OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)\***

Item	Std	Opt	Fld
<b>TIRES &amp; WHEELS:</b>			
<b>Front &amp; Rear:</b>			
5.70 x 8 - 8 (Load Range C)	●		
USA Trail 18 x 8.50 - 8 (Load Range C)		●	
<b>Wheel Covers:</b>			
Spoke, Black & Gold		●	
Spoke, Black & Silver		●	
<b>COLORS:</b>			
Body Color - Yellow	●		
Body Color - Ivory		●	
Body Color - Bright White		●	
Body Color - Hunter Green		●	
Body Color - Black		●	
Custom Body Color		●	
<b>Seating:</b>			
Seat Color - Black	●		
Seat Color - Oyster		●	
Seat Color - Tan		●	
Seat Color - White		●	
<b>OTHER PERFORMANCE:</b>			
Ash Tray		●	
Differential Guard		●	
Front Bumper & Guard (Black)		●	
Front Hydraulic Disc Brakes		●	
Glove Box Door (Locking) Driver Side		●	
Glove Box Door (Locking) Passenger Side		●	
Rear View Mirror (Sun Canopy Required)			●
<b>ELECTRICAL:</b>			
<b>Battery Chargers</b>			
36 V PowerWise QE, 120 VAC, UL/CSA 18 Ft DC Cord		●	
36 Volt Lester, 230 VAC, 50 Hz		●	
36 Volt PowerWise On-Board, 120 VAC, UL & CSA		●	
Charger Receptacle Cover (Use with On-Board Charger)		●	
<b>Lighting Package:</b>			
Brake Lights		●	
Headlights	●		
Headlights & Taillights		●	
Strobe Light		●	
Turn Signals with 4-Way Flashers		●	
Work Lights		●	
Work Lights with Strobe Light		●	
<b>Miscellaneous:</b>			
CE Kit		●	
Certification Type 'E'	●		
Certification Type 'EE'		●	
DC Converter		●	
Horn	●		

Item	Std	Opt	Fld
Hour Meter		●	
State of Charge Meter	●		
<b>HAULING &amp; TOWING:</b>			
1 7/8 in (48 mm) Ball (Rcvr Reqd)		●	
1 7/8 in (48 mm) Ball, Drop (Rcvr Reqd)		●	
2 in (5 cm) Receiver (Rear)		●	
Angle Hitch (Rcvr Reqd)		●	
Angle Hitch, Drop (Rcvr Reqd)		●	
Clevis Hitch (Rcvr Reqd)		●	
Clevis Hitch, Drop (Rcvr Reqd)		●	
Gas Spring Assisted Load Bed		●	
Power Dump (Electric)		●	
Trailer, Dump (Poly Bed)			●
Trailer, Dump (Steel Bed)			●
<b>WEATHER PROTECTION:</b>			
Brush Guard Cage for Windshield & Top			●
Sun Canopy (Top) Champagne			●
Sun Canopy (Top) Tan			●
Sun Canopy (Top) Tan (Brush Guard Cage Required)			●
Weather Enclosure, Tan (3 Side, Top & Windshield Req'd)			●
Weather Enclosure, White (3 Side, Top & Windshield Req'd)			●
Windshield (Brush Guard Cage Required)			●
Windshield Flat			●
Windshield Flat Lexan®			●
Windshield Fold Down			●
Windshield Fold Down Lexan®			●
<b>VEHICLE CAB</b>			
Steel Cab (Tan)			●
Steel Cab (White)			●
Steel Cab (Non Standard Color)			●
Beacon, Amber (Cab Required)			●
Defroster/Fan (Cab Required)			●
Dome Light (Cab Required)			●
Doors (Steel) Tan (Cab Required)			●
Doors (Steel) Non Standard Color (Cab Required)			●
Doors (Vinyl) Tan (Cab Required)			●
Rear View Mirror (Cab Required)			●
Strobe Light (Cab Required)			●
Switch Panel (Cab Required)			●
Windshield Wiper (Cab Required)			●
Work Light (Cab Required)			●
Windshield Wiper (Cab Required)			●
Work Light (Cab Required)			●