



CUSHMAN

MODEL: HAULER PRO X
TYPE: ELECTRIC 72V POWERED TRUCK
MODEL YEAR: 2014
Part No.: 637718



PRODUCT SPECIFICATION
CONFIGURATION HIGHLIGHTS

- Solid State continuously variable AC speed controller
- Seatwrap mounted direction selector switch (Forward-Neutral-Reverse)
- Anti-roll back, walkaway braking and alarm
- Anti-stall motor protection
- Regenerative 'Pedal Down' and/or 'Pedal Up' braking
- Full torque, reduced speed reverse
- Inductive throttle sensor
- Diagnostic indicator
- Factory programmable to application

Battery Charger: 900 Watt, 72 VDC, 120/230 VAC 50/60 Hz. Underwriters Laboratories (U.L.) Listed, (C.S.A. Certified)

Motor: 72 Volt AC Induction, solid copper windings. Non vented 22.4 hp (16.7 kW) Peak

Drive Train: Direct motor shaft connected to transaxle pinion shaft

Electrical System: 72 Volt DC, nine, 8 volt deep cycle storage batteries (78 minutes @ 75 Amps, 170 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		Performance	
Overall Length	111 in (281 cm)	Seating Capacity	2 Person
Overall Width	49.8 in (126 cm)	Dry Weight	873 lb (396 kg) (Without Batteries)
Overall Height (No Canopy)	52.0 in (132 cm) (Top of steering wheel)	Curb Weight	1440 lb (653 kg)
Overall Height (With Canopy)	77.0 in (196 cm)	Bed Load Capacity	500 lb (227 kg)
Wheel Base	78.0 in (198 cm)	Vehicle Load Capacity	900 lb (408 kg)
Front Wheel Track	38.0 in (97 cm)	Outside Clearance Circle	24.0 ft (7.3 m)
Rear Wheel Track	38.8 in (99 cm)	Intersecting Aisle Clearance	N/A
Ground Clearance (at Differential)	7.0 in (18 cm)	Speed (Level Ground)	16 mph ± 0.5 mph (26 kph ± 0.8 kph)
Cargo Box Width (inside)	44.0 in (112 cm)	Towing Capacity	930 lb (4137 N) Max Drawbar
Cargo Box Length (inside)	36.0 in (91 cm)	Steering & Suspension	
Cargo Box Depth (inside)	10.5 in (27 cm)	Steering	Self-compensating rack and pinion
Cargo Box Capacity	9.6 cu ft (0.27 m ³)	Front Suspension	Leaf springs with hydraulic shock absorbers
Cargo Box material	Roto-molded polyethylene	Rear Suspension	Leaf springs with hydraulic shock absorbers
Vehicle Power		Service Brake	Rear wheel mechanical self-adjusting drum
Power Source	72 Volts DC	Parking Brake	Self-compensating, single point engagement
Motor Type	AC Induction	Front Tires	22 x 9 - 10 (4 Ply Rated)
Horsepower (kW)	22.4 hp (16.7 kW) Peak	Rear Tires	22 x 9 - 10 (4 Ply Rated)
Electrical System	72 Volt	Body & Chassis	
Batteries (Qty, Type)	Nine, 8 Volt Deep Cycle	Frame	Welded steel. DuraShield™ powder coat
Key or Pedal Start	Pedal Start	Front Body & Finish	Injection Molded TPO
Battery Charger	900 Watt, 72VDC	Standard Color	Hunter Green
Speed Controller	350 Amp AC	Noise & Vibration	
Drive Train	Motor Shaft Direct Drive	Noise	Sound pressure; continued A-weighted ≤ 70 db(A)
Transaxle	Differential with helical gears	Vibration, WBV	Highest RMS value of weighted acceleration is less than 2.5 m/s
Gear Selection	Seatwrap Mounted Forward-Neutral-Reverse	Vibration, HAV	Highest RMS value of weighted acceleration is less than 2.5 m/s
Rear Axle Ratio	17:1		The uncertainty of measurement is 0.12 m/s

Measurement methods were applied per the ISO 2631 and ISO 5349 standards under conditions of typical vehicle surfaces.

Some items shown may be optional equipment



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OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld	Item	Std	Opt	Fld
TIRES & WHEELS:				ELECTRICAL:			
Front:				Battery Chargers:			
22 x 9 - 10 Stryker (4 Ply Rated)	X			72 VDC, 120/230 VAC 50/60 Hz On Board	X		
20 x 10 - 10 Turf		X		Other:			
22 x 11 - 10 Pathfinder Aluminum Wheel		X		Unique Individual Key Switch		X	
23 x 10.5 - 12 Terra Trac Alloy Wheel		X		Headlights	X		
Rear:				Headlights & Taillights		X	
22 x 9 - 10 Stryker (4 Ply Rated)	X			Brake Lights		X	
20 x 10 - 10 Turf		X		Turn Signals with 4-Way Flashers		X	
22 x 11 - 10 Pathfinder Aluminum Wheel		X		Strobe Light			X
23 x 10.5 - 12 Terra Trac Alloy Wheel		X		Work Lights			X
COLORS:				Work Lights with Strobe Light			X
Body Color - Forest Green	X			Miscellaneous:			
Body Color - Champagne Beige		X		DC Converter	X		
Body Color - Bright White		X		Heavy Duty Battery Option		X	
Body Color - Yellow		X		Battery Watering System		X	
Body Color - Orange		X		Hour Meter		X	
Body Color - Patriot Blue		X		12 Volt Outlet		X	
Additional Body Colors		X		CE Option (Battery Watering System Req'd)		X	
Seat Color - Gray	X			WEATHER PROTECTION:			
Seat Color - Oyster		X		Sun Canopy (Top) Black			X
Seat Color - Tan		X		Sun Canopy (Top) Champagne			X
Seat Color - Brown		X		Sun Canopy (Top) Tan			X
Seat Color - Black		X		Canopy Handle			X
Seat Color - White		X		Weather Enclosure, White (3 Side, Top & Windshield Req'd)			X
HAULING & TOWING:				Weather Enclosure, Tan (3 Side, Top & Windshield Req'd)			X
2 in (5 cm) Receiver (Rear)	X			Windshield Flat			X
1 7/8 in (48 mm) Ball (Rcvr Reqd)		X		Windshield Fold Down			X
Angle (Rcvr Reqd)		X		TRANSAXLE:			
Clevis (Rcvr Reqd)		X		Limited Slip Differential		X	
Angle, Drop (Rcvr Reqd)		X		VEHICLE CAB:			
1 7/8 in (48 mm) Ball, Drop (Rcvr Reqd)		X		Steel Cab (Tan):			X
Clevis, Drop (Rcvr Reqd)		X		Steel Cab (White):			X
Plastic Bed (Manual Dump)	X			Fuse Panel w/ switches (Cab Required)			X
Aluminum Bed		X		Beacon, Amber (Cab Required)			X
Power Dump (Electric)		X		Defroster/Fan (Cab Required)			X
OTHER PERFORMANCE:				Dome Light (Cab Required)			X
Ash Tray		X		Doors (Steel) Tan (Cab Required)			X
Differential Guard		X		Doors (Steel) White (Cab Required)			X
Front Fascia & Brush Guard (Black)	X			Doors (Vinyl) Tan (Cab Required)			X
Glove Box Door (Locking) Driver Side		X		Rear View Mirror (Cab Required)			X
Glove Box Door (Locking) Passenger Side		X		Windshield Wiper (Cab Required)			X
Horn	X						
State of Charge Meter	X						
Comfort Grip Steering Wheel (Premium Steering Wheel)		X					