



**CUSHMAN**

**MODEL: HAULER 1200X**  
**TYPE: ELECTRIC POWERED TRUCK**  
**MODEL YEAR: 2012**  
**Part No.: 619211**



**PRODUCT SPECIFICATION**

**CONFIGURATION HIGHLIGHTS**

**Precision Drive System™ (PDS):** Factory programmable to application

- Solid State continuously variable separately excited speed controller
- Dash 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 selectable performance options

**Battery Charger:** 48 VDC PowerWise™, 120/230 VAC 50/60 Hz. Underwriters Laboratories (U.L.) Listed, (C.S.A. Certified)  
**Motor:** 48 Volt DC shunt wound, brazed armature, solid copper windings. Non vented 2.5 hp (1.9 kW) @ 2700 rpm (1 hour)  
**Drive Train:** Direct motor shaft connected to transaxle pinion shaft  
**Electrical System:** 48 Volt DC, eight, 6 volt deep cycle storage batteries 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	113.0 in (287 cm)
Overall Width	48.5 in (123 cm)
Overall Height (No Canopy)	52.5 in (133 cm) (Top of steering wheel)
Overall Height (With Canopy)	77.0 in (196 cm)
Wheel Base	77.0 in (196 cm)
Front Wheel Track	38.0 in (97 cm)
Rear Wheel Track	38.5 in (98 cm)
Ground Clearance (at Differential)	6.0 in (15 cm)
Cargo Box Width (inside)	44.0 in (112 cm)
Cargo Box Length (inside)	36.0 in (91 cm)
Cargo Box Depth (inside)	10.5 in (27 cm)
Cargo Box Capacity	9.6 cu ft (0.27 m <sup>3</sup> )
Cargo Box material	Roto-molded polyethylene

**Vehicle Power**

Power Source	48 Volts DC
Motor Type	Shunt Wound
Horsepower (kW)	2.5 hp (1.9 kW) @ 2700 rpm
Electrical System	48 Volt
Batteries (Qty, Type)	Eight, 6 Volt Deep Cycle
Key or Pedal Start	Pedal Start
Battery Charger	48VDC PowerWise™ w/10 ft (3 m) DC Cord
Speed Controller	400 Amp Precision Drive System (PDS)
Drive Train	Motor Shaft Direct Drive
Transaxle	Differential with helical gears

Gear Selection	Dash Mounted Forward-Neutral-Reverse
Rear Axle Ratio	14.7:1

**Performance**

Seating Capacity	2 Person
Dry Weight	820 lb (375 kg) (Without Batteries)
Curb Weight	1310 lb (595 kg)
Bed Load Capacity	550 lb (250 kg)
Vehicle Load Capacity	1000 lb (450 kg)
Outside Clearance Circle	22.0 ft (6.7 m)
Intersecting Aisle Clearanc	N/A
Speed (Level Ground)	16 mph ± 0.5 mph (26 kph ± 0.8 kph)
Towing Capacity	600 lb (270 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	Stryker 22 x 9 -10 Uni-directional
Rear Tires	Stryker 22 x 9 -10 Uni-directional

**Body & Chassis**

Frame	Welded steel. DuraShield™ powder coat
Front Body & Finish	Injection Molded TPO
Standard Color	Patriot Blue

*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
<b>TIRES &amp; WHEELS:</b>				<b>ELECTRICAL: (Cont'd)</b>			
Stryker 22 x 9 - 10 Uni-directional	●			LED Headlights		●	
Turf Saver 20 x 10 -10 (Load Range b)		●		Unique Individual Key Switch		●	
Terra Trac 22 x 11 -10 with Polished 4-Spoke Wheels		●		Headlights	●		
<b>COLORS:</b>				Taillights		●	
Body Color - Patriot Blue	●			Brake Lights		●	
Body Color - Hunter Green		●		Turn Signals with 4-Way Flashers		●	
Body Color - Bright White		●		Strobe Light		●	
Body Color - Yellow		●		Batteries Trojan T145 w/ Battery Fill System		●	
Body Color - Black		●		Batteries Trojan T125 w/ Battery Fill System		●	
Custom Body Color		●		Batteries Trojan T105 w/ Battery Fill System		●	
Seat Color - Tan		●		Batteries Trojan T145		●	
Seat Color - Oyster		●		Batteries Trojan T125		●	
Seat Color - Gray	●			Batteries Trojan T105	●		
Seat Color - White		●		<b>Miscellaneous:</b>			
Seat Color - Black		●		DC/DC Converter		●	
Seat Color - Brown		●		Hour Meter		●	
<b>HAULING &amp; TOWING:</b>				<b>WEATHER PROTECTION:</b>			
2 in (5 cm) Receiver (Front)		●		Canopy (Top) Black			●
2 in (5 cm) Receiver (Rear)		●		Canopy Handles			●
1 7/8 in (48 mm) Ball (Rcvr Req'd)		●		Weather Enclosure - Black			●
Angle (Rcvr Req'd)		●		Weather Enclosure - Gray			●
Clevis (Rcvr Req'd)		●		Weather Enclosure - Green			●
Angle, Drop (Rcvr Req'd)		●		Weather Enclosure - White			●
1 7/8 in (48 mm) Ball, Drop (Rcvr Req'd)		●		Weather Enclosure - Tan			●
Clevis, Drop (Rcvr Req'd)		●		Windshield Fold Down			●
Power Dump (Electric)		●		Windshield Flat			●
Trailer, Dump (Steel Bed)			●	<b>TRANSAXLE:</b>			
Trailer, Dump (Poly Bed)			●	Limited Slip Differential		●	
Winch Receiver Mount		●		<b>VEHICLE CAB:</b>			
Aluminum Bed		●		Steel Cab (Tan):			●
<b>OTHER PERFORMANCE:</b>				Steel Cab (White):			●
Ash Tray		●		Steel Cab (Non Standard Color):			●
Differential Guard		●		Beacon, Amber (Cab Required)			●
Front Fascia & Brush Guard (Black)	●			Defroster/Fan (Cab Required)			●
Glove Box Door (Locking) Driver Side		●		Dome Light (Cab Required)			●
Glove Box Door (Locking) Passenger Side		●		Doors (Steel) Tan (Cab Required)			●
Horn	●			Doors (Steel) White (Cab Required)			●
State of Charge Meter		●		Doors (Steel) Non Standard Color (Cab Required)			●
Clays Car Field Accy			●	Doors (Vinyl) Tan (Cab Required)			●
Gun Holder			●	Rear View Mirror (Cab Required)			●
Gun Mount Swivel			●	Strobe Light (Cab Required)			●
<b>ELECTRICAL:</b>				Windshield Wiper (Cab Required)			●
<b>Battery Chargers:</b>				Curtis Cab Mirrors			●
48 VDC Delta Q, 120/230 VAC 50/60 Hz w/18' DC Cord	●			Work Light			●
48 VDC - SCR		●		Fuse Block			●
48 VDC - 230 VAC 60 Hz		●		Cab (without doors)			●
48 VDC - 120 VAC 60 Hz		●		Doors (Set)			●
Battery Charger Delete		●					
Work Lights		●					
Work Lights with Strobe Light		●					