



CUSHMAN

MODEL: HAULER 1200X
TYPE: ELECTRIC POWERED TRUCK
MODEL YEAR: 2014
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, 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 (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 m3)
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 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	500 lb (226 kg)
Vehicle Load Capacity	1000 lb (450 kg)
Outside Clearance Circle	22.0 ft (6.7 m)
Intersecting Aisle Clearance	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



OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld
TIRES & WHEELS:			
Stryker 22 x 9 - 10 Uni-directional	X		
Turf Saver 20 x 10 -10 (Load Range b)		X	
Terra Trac 22 x 11 -10 with Polished 4-Spoke Wheels		X	

Item	Std	Opt	Fld
COLORS:			
Body Color - Patriot Blue	X		
Body Color - Hunter Green		X	
Body Color - Bright White		X	
Body Color - Yellow		X	
Body Color - Black		X	
Additional Body Colors		X	
Seat Color - Gray	X		
Seat Color - Oyster		X	
Seat Color - Tan		X	
Seat Color - White		X	
Seat Color - Black		X	
Seat Color - Brown		X	

Item	Std	Opt	Fld
HAULING & TOWING:			
Poly Bed, Manual Dump	X		
Poly Bed, Elec Dump		X	
Alum Bed, Manual Dump		X	
Alum Bed, Elec Dump		X	
2 in (5 cm) Hitch Receiver (Front)		X	
2 in (5 cm) Receiver (Rear)	X		
1 7/8 in (48 mm) Ball (Rcvr req'd)		X	
Angle (Rcvr req'd)		X	
Clevis (Rcvr req'd)		X	
Angle, Drop (Rcvr req'd)		X	
1 7/8 in (48 mm) Ball, Drop (Rcvr req'd)		X	
Clevis, Drop (Rcvr req'd)		X	

Item	Std	Opt	Fld
OTHER PERFORMANCE:			
Front Fascia & Brush Guard (Black)	X		
Ash Tray		X	
Glove Box Door (Locking) Driver Side		X	
Glove Box Door (Locking) Passenger Side		X	

Item	Std	Opt	Fld
TRANSAXLE:			
Limited Slip Differential		X	
Differential Guard		X	

Item	Std	Opt	Fld
BATTERY CHARGERS			
48 VDC - 120 VAC 60 Hz w/10' DC Cord	X		
48 VDC - 120 VAC 60 Hz w/18' DC Cord		X	
48 VDC, 120/230 VAC 50/60 Hz w/10' DC Cord		X	
48 VDC, 120/230 VAC 50/60 Hz w/18' DC Cord		X	
Battery Charger Delete		X	

Item	Std	Opt	Fld
BATTERIES			
Batteries Trojan T105	X		
Batteries Trojan T105 w/ Battery Fill System		X	
Batteries Trojan T125		X	
Batteries Trojan T125 w/ Battery Fill System		X	
Batteries Trojan T145		X	
Batteries Trojan T145 w/ Battery Fill System		X	

Item	Std	Opt	Fld
ELECTRICAL:			
Headlights	X		
Horn	X		
State of Charge Meter	X		
LED Headlights		X	
Taillights		X	
Brake Lights		X	
DC/DC Converter		X	
Hour Meter		X	
Turn Signals with 4-Way Flashers		X	
Unique Individual Key Switch		X	

Item	Std	Opt	Fld
WEATHER PROTECTION:			
Canopy KW (Top) Black			X
Windshield Fold Down, KW			X
Windshield Flat, KW			X
Weather Enclosure - Gray (Canopy/Wshld req'd)			X
Weather Enclosure - Green (Canopy/Wshld req'd)			X
Weather Enclosure - White (Canopy/Wshld req'd)			X
Weather Enclosure - Tan (Canopy/Wshld req'd)			X
Weather Enclosure - Black (Canopy/Wshld req'd)			X
Canopy Handle			X

Item	Std	Opt	Fld
VEHICLE CAB:			
Steel Cab (Tan):			X
Steel Cab (White):			X
Steel Cab (Non Standard Color):			X
Doors (Steel) Tan (Cab req'd)			X
Doors (Steel) White (Cab req'd)			X
Doors (Steel) Non Standard Color (Cab req'd)			X
Doors (Vinyl) Tan (Cab req'd)			X
Beacon, Amber (Cab & Fuse Panel req'd)			X
Defroster/Fan (Cab & Fuse Panel req'd)			X
Dome Light (Cab & Fuse Panel req'd)			X
Rear View Mirror (Cab req'd)			X
Strobe Light (Cab & Fuse Panel req'd)			X
Windshield Wiper (Cab & Fuse Panel req'd)			X
Curtis Cab Mirrors			X
Work Light (Cab & Fuse Panel req'd)			X
Fuse Panel w/switches			X