



CUSHMAN

MODEL: HAULER 1000
TYPE: ELECTRIC 48V POWERED TRUCK
MODEL YEAR: 2014
Part No.: 618842



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 in (287 cm)
Overall Width	49.5 in (128 cm)
Overall Height (No Canopy)	46.5 in (118 cm) (Top of steering wheel)
Overall Height (With Canopy)	70.0 in (178 cm)
Wheel Base	77.0 in (196 cm)
Front Wheel Track	37.0 in (94 cm)
Rear Wheel Track	38.0 in (97 cm)
Ground Clearance (at Differential)	4.3 in (11 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	810 lb (367 kg) (Without Batteries)
Curb Weight	1300 lb (590 kg)
Bed Load Capacity	600 lb (272 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)	13 mph ± 0.5 mph (21 kph ± 0.8 kph)
Towing Capacity	887 lb (402 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	Links 18 x 8.50 - 8 (4 Ply Rated)
Rear Tires	Turf Saver 18 x 8.50 - 8 (Load Range B)

Body & Chassis

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

Some items shown may be optional equipment



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OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld
TIRES & WHEELS:			
Front:			
Links 18 x 8.50 - 8 (4 Ply Rated)	X		
USA Trail 18 x 8.50 - 8 (Load Range C)		X	
Turf Saver 18 x 8.50 - 8 (4 Ply Rated)		X	
Rear:			
Turf Saver 18 x 8.50 - 8 (4 Ply Rated)	X		
USA Trail 18 x 8.50 - 8 (Load Range C)		X	
Links 18 x 8.50 - 8 (4 Ply Rated)		X	
Wheel Covers:			
Spoke, Black & Gold		X	
Spoke, Black & Silver		X	
COLORS:			
Body Color - Hunter Green	X		
Body Color - Ivory		X	
Body Color - Bright White		X	
Body Color - Yellow		X	
Body Color - Orange		X	
Custom Body Color		X	
Seat Color - Gray	X		
Seat Color - Oyster		X	
Seat Color - Tan		X	
Seat Color - White		X	
HAULING & TOWING:			
Poly Bed w/Manual Dump	X		
Poly Bed w/Elec Dump		X	
Alum Bed w/Manual Dump		X	
Alum Bed w/Elec Dump		X	
2 in (5 cm) Receiver (Rear)		X	
1 7/8 in (48 mm) Ball Hitch (Rcvr Req'd)		X	
Angle Hitch (Rcvr Req'd)		X	
Clevis Hitch (Rcvr Req'd)		X	
Angle Hitch, Drop (Rcvr Req'd)		X	
1 7/8 in (48 mm) Ball Hitch, Drop (Rcvr Req'd)		X	
Clevis Hitch, Drop (Rcvr Req'd)		X	
OTHER PERFORMANCE:			
Front Fascia & Brush Guard (Black)	X		
Ash Tray		X	
Front Hydraulic Disc Brakes		X	
Glove Box Door (Locking) Driver Side		X	
Glove Box Door (Locking) Passenger Side		X	
International Shipping		X	
TRANSAXLE:			
Limited Slip Differential		X	
Differential Guard		X	

Item	Std	Opt	Fld
ELECTRICAL:			
Battery Chargers:			
48 VDC, 120 VAC 50/60 Hz w/10' DC Cord		X	
48 120 VAC 50/60 Hz w/18' DC Cord		X	
Batteries			
T105 48V Battery Pack	X		
T105 48V Battery Pack w/Battery Fill System		X	
T125 48V Battery Pack		X	
T125 48V Battery Pack w/Battery Fill System		X	
T145 48V Battery Pack		X	
T145 48V Battery Pack w/Battery Fill System		X	
Other:			
Headlights	X		
State of Charge Meter	X		
Horn	X		
Headlights & Taillights		X	
Unique Individual Key Switch		X	
Brake Lights		X	
Turn Signals with 4-Way Flashers		X	
DC Converter		X	
Hour Meter		X	
WEATHER PROTECTION:			
Sun Canopy (Top) Black			X
Windshield Fold Down			X
Weather Enclosure, (Top & W'shld Req'd) various colors			X
Windshield Flat			X
Canopy Handle			X
VEHICLE CAB:			
Steel Cab (Tan):			X
Steel Cab (White):			X
Steel Cab (Custom Color):			X
Doors (Steel) Tan (Cab Req'd)			X
Doors (Steel) White (Cab Req'd)			X
Doors (Steel) Custom Color (Cab Req'd)			X
Beacon, Amber (Cab, Fuse Panel w/Switches req'd)			X
Defroster/Fan (Cab, Fuse Panel w/Switches req'd)			X
Dome Light (Cab, Fuse Panel w/Switches req'd)			X
Vinyl Doors (Cab Required) various colors			X
Mirrors (Cab Required)			X
Strobe Light (Cab, Fuse Panel w/Switches req'd)			X
Windshield Wiper (Cab, Fuse Panel w/Switches req'd)			X
Fuse Panel w/Switches			X