



CUSHMAN

MODEL: HAULER 1000
TYPE: ELECTRIC 48V POWERED TRUCK
MODEL YEAR: 2012
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 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 (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 polyethelene. 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 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	810 lb (367 kg) (Without Batteries)
Curb Weight	1300 lb (590 kg)
Bed Load Capacity	600 lb (270 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	Item	Std	Opt	Fld
TIRES & WHEELS:				ELECTRICAL:			
Front:				Battery Chargers:			
Links 18 x 8.50 - 8 (4 Ply Rated)	●			48 VDC Delta Q, 120/230 VAC 50/60 Hz w/18' DC Cord	●		
USA Trail 18 x 8.50 - 8 (Load Range C)		●		48 VDC - SCR		●	
Turf Saver 18 x 8.50 - 8 (Load Range B)		●		48 VDC - 230 VAC 60 Hz		●	
Rear:				48 VDC - 120 VAC 60 Hz			
Links 18 x 8.50 - 8 (4 Ply Rated)	●			Battery Charger Delete			
USA Trail 18 x 8.50 - 8 (Load Range C)		●		Other:			
Turf Saver 18 x 8.50 - 8 (Load Range B)		●		Unique Individual Key Switch			
Wheel Covers:				Headlights			
Spoke, Black & Gold		●		Headlights & Taillights			
Spoke, Black & Silver		●		Brake Lights			
COLORS:				Turn Signals with 4-Way Flashers			
Body Color - Hunter Green	●			Strobe Light			
Body Color - Ivory		●		Work Lights			
Body Color - Bright White		●		Work Lights with Strobe Light			
Body Color - Yellow		●		Miscellaneous:			
Body Color - Orange		●		DC Converter			
Custom Body Color		●		Non Standard Battery Option			
Seat Color - Tan		●		Hour Meter			
Seat Color - Oyster		●		Canopy Handle			
Seat Color - Gray	●			WEATHER PROTECTION:			
Seat Color - White		●		Sun Canopy (Top) Black			
HAULING & TOWING:				Windshield Fold Down			
2 in (5 cm) Receiver (Rear)		●		Weather Enclosure, (3 Side, Top & Windshield Req'd)			
1 7/8 in (48 mm) Ball (Rcvr Reqd)		●		Windshield Flat			
Angle (Rcvr Reqd)		●		TRANSAXLE:			
Clevis (Rcvr Reqd)		●		Limited Slip Differential			
Angle, Drop (Rcvr Reqd)		●		VEHICLE CAB:			
1 7/8 in (48 mm) Ball, Drop (Rcvr Reqd)		●		Steel Cab (Tan):			
Clevis, Drop (Rcvr Reqd)		●		Steel Cab (White):			
Power Dump (Electric)		●		Steel Cab (Custom Color):			
Trailer, Dump (Steel Bed)			●	Beacon, Amber (Cab Required)			
Trailer, Dump (Poly Bed)			●	Defroster/Fan (Cab Required)			
OTHER PERFORMANCE:				Dome Light (Cab Required)			
Ash Tray		●		Doors (Steel) Tan (Cab Required)			
Differential Guard		●		Doors (Steel) White (Cab Required)			
Front Hydraulic Disc Brakes		●		Doors (Steel) Custom Color (Cab Required)			
Front Fascia & Brush Guard (Black)		●		Vinyl Doors (Cab Required)			
Glove Box Door (Locking) Driver Side		●		Mirrors (Cab Required)			
Glove Box Door (Locking) Passenger Side		●		Strobe Light (Cab Required)			
Horn	●			Windshield Wiper (Cab Required)			
Stateof Charge Meter	●						
International Fender Flare		●					
International Brushguard		●					