



**CUSHMAN**

**MODEL: HAULER 800X ELITE**  
**TYPE: ELECTRIC 48V POWERED TRUCK**  
**MODEL YEAR: 2019**  
**Part No: 678056G01**



**PRODUCT SPECIFICATION**

**CONFIGURATION HIGHLIGHTS**

Programmable AC controller with expanded regenerative braking function, and vehicle charger lockout

- Solid State variable frequency AC speed controller
- Dash mounted direction selector switch (Forward-Neutral-Reverse)
- Anti-roll back, walkaway braking and alarm
- Programmable regenerative braking, acceleration and speed
- Full torque, reduced speed reverse
- Inductive throttle sensor
- Handheld vehicle diagnostics

**Battery Charger:** 48V DC High Frequency, fully line compensating. 10 ft (3 m) DC Cord. Underwriters Lab. (U.L.) Listed, (C.S.A Certified), CE

- Input: 120/230 Volts AC, 60/50Hz, 8-4 Amps
- Output: 48 Volts DC at 14.3 Amps

**Motor:** 48 Volt AC induction motor, solid copper windings. 4.4 hp (3.3 kW) Continuous, 11.7 hp (8.7 kW) peak. AC system reads motor speed for accurate speed control in all conditions.

**Drive Train:** Direct motor shaft connected to transaxle pinion shaft

**Electrical System:** 48 Volt DC lithium ion battery

**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 tailgate with cam-over latch mechanism

**PRODUCT OVERVIEW**

**Dimensions**

Overall Length	110 in (280 cm)
Overall Width	49 in (125 cm)
Overall Height (No Canopy)	51 in (130 cm) (Top of steering wheel)
Overall Height (With Canopy)	74 in (188 cm)
Wheel Base	65.5 in (166 cm)
Front Wheel Track	37.0 in (94 cm)
Rear Wheel Track	38.0 in (97 cm)
Gnd Clearance @ Differential	5.5 in (14 cm)
Cargo Box Width (inside)	44 in (112 cm)
Cargo Box Length (inside)	28 in (71 cm)
Cargo Box Depth (inside)	12 in (30.5 cm)
Cargo Box Capacity	8.4 cu ft (0.24 m <sup>3</sup> )
Cargo Box material	Roto-molded polyethylene

**Vehicle Power**

Power Source	48 Volts DC
Motor Type	48 Volt AC
Horsepower (kW)	11.7 HP (8.7 kW) Peak
Electrical System	48 Volt
Batteries (Qty, Type)	Two to four Lithium Ion, 48 volt
Key or Pedal Start	Pedal Start
Battery Charger	48 VDC, 120/230 VAC, UL/CSA, CE
Speed Controller	235 Amp AC Controller
Drive Train	Motor Shaft Direct Drive
Transaxle	Differential with helical gears

Gear Selection	Dash Mounted Forward-Neutral-Reverse
Rear Axle Ratio	16.99:1

**Performance**

Seating Capacity	2 Person
Dry Weight	722 lb (327 kg) (Without Batteries)
Curb Weight	797 lb (361 kg) (Standard Batteries)
Bed Load Capacity	325 lb (147.4 kg)
Vehicle load capacity	725 lb (328 kg)
Outside Clearance Circle	18.9 ft (5.76 m)
Intersecting Aisle Clearanc	N/A
Speed (Level Ground)	16.5 mph ± 0.5 mph (26.5 kph ± 0.8 kph)
Towing Capacity	500 lb (230 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	K500 20 x 8 - 10 (6 Ply)
Rear Tires	K500 20 x 8 - 10 (6 Ply)

**Body & Chassis**

Frame	Welded steel with E-Shield ecoat plus DuraShield™ powder coat
Front Body & Finish	Injection molded TPO
Rear Body & Finish	Injection molded PP
Standard Color	Forest Green



**OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)\***

Item	Std	Opt	Fld
<b>IMPROVED SURFACE TIRES:</b>			
Loadstar 20.5 x 8 - 10 (6 Ply Rated), Black Wheel		X	
<b>TURF TIRES:</b>			
K500 20 x 8 - 10 (6 Ply Rated), Black Wheel	X		
<b>All Terrain Tires:</b>			
Trail Wolf 20 x 11 x 10		X	
<b>Wheel Covers:</b>			
10" Metallic Silver (Set of 4)		X	
<b>BODY COLORS:</b>			
Forest Green	X		
Patriot Blue, Ivory, Bright White, Flame Red, Orange & Black		X	
Almond, Matte Black, Safety Yellow & Metallic Charcoal		X	
<b>SIDE DECAL COLORS:</b>			
Matte Black	X		
Forest Green, Patriot Blue, Ivory, Bright White,		X	
Flame Red, Orange & Black		X	
<b>SEAT COLORS:</b>			
Gray	X		
Stone Beige, Black & Oyster		X	
<b>ELECTRICAL:</b>			
Halogen Headlights	X		
LED Headlights - High/Low Beam		X	
Tail Lights		X	
Brake Lights		X	
State of Charge Meter	X		
12 Volt Outlet		X	
USB Outlet		X	
Unique Key Switch		X	
Lithium World Charger 48VDC 10 ft (3.0 m) DC Cord	X		
Lithium World Charger 48VDC 18 ft (5.5 m) DC Cord		X	
DC Converter	X		
Hour Meter		X	
CE Kit		X	
ELiTE 2.0 Lithium	X		
ELiTE 3.0 Lithium		X	
ELiTE 4.0 Lithium		X	

Item	Std	Opt	Fld
<b>VEHICLE ENHANCEMENTS:</b>			
2 Wheel Mechanical Brakes	X		
4 Wheel Mechanical Brakes		X	
Differential (Scuff) Guard		X	
Limited Slip Differential		X	
Fender Flare - Large	X		
Frame - E-Shield Enhanced Coating	X		
Brush Guard	X		
Comfort Grip Steering Wheel		X	
Scorecard Holder		X	
Rear View Mirror			X
Clays Car Field Kit (Front Basket & Gun Holder)			X
<b>TOWING, HAULING &amp; STORAGE:</b>			
Plastic Bed (Manual Lift)	X		
Plastic Bed (Gas Assist Manual Lift)		X	
Power Dump (Electric)		X	
2 in (5 cm) Receiver (Rear)		X	
1 7/8 in (48 mm) Ball Hitch (Rcvr Reqd)		X	
1 7/8 in (48 mm) Ball Hitch, Drop (Rcvr Reqd)		X	
Angle Hitch (Rcvr Reqd)		X	
Angle Hitch, Drop (Rcvr Reqd)		X	
Clevis Hitch (Rcvr Reqd)		X	
Clevis Hitch, Drop (Rcvr Reqd)		X	
Glove Box Locking Door		X	
Glove Box Shelf		X	
Glove Box Mat Package			X
Radio Holder			X
Floorboard Accessory Mount			X
Canopy Storage Net			X
<b>PLASTIC BED ACCESSORIES:</b>			
Bed Net (Pocket)			X
D-Ring Tie Down			X
Tailgate Long Handled Tool Holder			X
Elevated Long Handled Tool Holder			X
Front Wall Tool/Moisture Meter Holder			X
Bed Divider			X
Drop In Refresher			X
<b>WEATHER PROTECTION:</b>			
Canopy - Black, Tan & Champagne Beige			X
Windshield Flat			X
Windshield Fold Down			X
Enclosure - Black, White & Tan			X
Cab Kit - ROPS Certified			X
Ball Cage Kit - ROPS Certified			X
Ball Cage Kit - Non ROPS			X
Cab - Strobe Light			X
Cab - Work Light			X