



**CUSHMAN**

**MODEL: HAULER 800X**  
**TYPE: ELECTRIC 48V POWERED TRUCK**  
**MODEL YEAR: 2017**  
**Part No: 641725**



**PRODUCT SPECIFICATION**

**CONFIGURATION HIGHLIGHTS**

**TrueCourse Technology:** Programmable to multiple vehicle terrains, with expanded regenerative braking function, and vehicle charger lockout

- Solid State continuously variable separately excited speed controller
- Dash mounted direction selector switch (Forward-Neutral-Reverse)
- Anti-roll back, walkaway braking and alarm
- Programmable regenerative braking, acceleration and speed
- Six, 8 Volt Deep Cycle Batteries
- Full torque, reduced speed reverse
- Inductive throttle sensor
- Handheld vehicle diagnostics and rounds tracking

**Battery Charger:** PowerWise 48VDC high frequency, fully line compensating, 10ft (3m) DC Cord. Underwriters Lab. (U.L.) Listed, (C.S.A. Certified)

- Input: 120 Volts AC, 50/60Hz, 8 amps
- Output: 48 Volts DC at 13 amps

**Motor:** 48 Volt DC shunt wound, brazed armature, solid copper windings

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

**Electrical System:** 48 Volt DC, six, 8 volt deep cycle batteries (117 minute minimum, 170 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	106.5 in (271 cm)
Overall Width	48.5 in (123 cm)
Overall Height (No Canopy)	49.0 in (126 cm) (Top of steering wheel)
Overall Height (With Canopy)	71.6 in (182 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)	44.5 in (113 cm)
Cargo Box Length (inside)	30.5 in (77 cm)
Cargo Box Depth (inside)	7.5 in (19 cm)
Cargo Box Capacity	5.9 cu ft (0.17 m3)
Cargo Box material	Roto-molded polyethylene

**Vehicle Power**

Power Source	48 Volts DC
Motor Type	Shunt Wound
Horsepower (kW)	3.0 HP (2.2kW) Continuous
Electrical System	48 Volt
Batteries (Qty, Type)	Six, 8 Volt Deep Cycle
Key or Pedal Start	Pedal Start
Battery Charger	48 VDC PowerWise™ QE, 120 VAC, UL/CSA
Speed Controller	250 Amp Solid State Controller
Drive Train	Motor Shaft Direct Drive
Transaxle	Differential with helical gears

Gear Selection	Dash Mounted Forward-Neutral-Reverse
Rear Axle Ratio	12.44:1

**Performance**

Seating Capacity	2 Person
Dry Weight	685 lb (315 kg) (Without Batteries)
Curb Weight	1050 lb (475 kg)
Bed Load Capacity	500 lb (230 kg)
Vehicle load capacity	800 lb (360 kg)
Outside Clearance Circle	18.9 ft (5.76 m)
Intersecting Aisle Clearance	N/A
Speed (Level Ground)	17 mph ± 0.5 mph (27.3 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	20 x 10 - 10 (4 Ply Rated)
Rear Tires	20 x 10 - 10 (4 Ply Rated)

**Body & Chassis**

Frame	Welded steel with DuraShield™ powder coat
Front Body & Finish	Injection molded TPO
Rear Body & Finish	Steel. Base coat/clear coat
Standard Color	Patriot Blue



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**OPTIONS & FIELD INSTALLED ACCESSORIES\***

Item	Std	Opt	Fld
<b>TIRES:</b>			
Turf Tire 20x10-10	X		
Trail Wolf 20x11-10		X	

Item	Std	Opt	Fld
<b>COLORS:</b>			
Body Color - Patriot Blue	X		
Body Color - Forest Green		X	
Body Color - Bright White		X	
Body Color - Black		X	
Body Color - Champagne Beige		X	
Custom Body Color		X	

Item	Std	Opt	Fld
<b>SEATING:</b>			
Seat Color - Grey	X		
Seat Color - Tan		X	

Item	Std	Opt	Fld
<b>OTHER PERFORMANCE:</b>			
2 in (5 cm) Receiver (Rear)	X		
Front Facia/Brush Guard	X		

Item	Std	Opt	Fld
<b>WEATHER PROTECTION:</b>			
Sun Canopy (Top) Black			X
Windshield Fold Down			X

Item	Std	Opt	Fld
<b>ELECTRICAL:</b>			
Headlights	X		
Tail lights		X	
Turn Signals with 4-way Flashers		X	

Item	Std	Opt	Fld
<b>BATTERY OPTIONS:</b>			
Heavy Duty Battery Option - T890		X	
Battery Fill System - T875		X	
Battery Fill System Nozzle, 20' Hose		X	

Item	Std	Opt	Fld
<b>BATTERY CHARGERS:</b>			
Powerwise QE 48V 10 ft (3.0 m) DC Cord	X		
World Charger QE 48V 10 ft (3.0 m) DC Cord		X	
World Charger QE 48V 18 ft (5.5 m) DC Cord		X	

Item	Std	Opt	Fld
<b>TRANSAXLE:</b>			
Limited Slip Differential		X	

Item	Std	Opt	Fld
<b>ROLL-OVER PROTECTION STRUCTURE:</b>			
ROPS			X

Item	Std	Opt	Fld
<b>HITCHES:</b>			
Hitch Receiver	X		
Ball Hitch		X	
Angle Hitch		X	
Clevis Hitch		X	
Drop Clevis Hitch		X	

Item	Std	Opt	Fld
<b>HOUR METER:</b>			
Hour Meter		X	