



**CUSHMAN**

**MODEL: MINUTE MISER**  
**TYPE: 3 WHEEL ELECTRIC POWERED TRUCK**  
**MODEL YEAR: 2014**  
**Part No: 628520**



**PRODUCT SPECIFICATION**  
**CONFIGURATION HIGHLIGHTS**

**Speed Control:** Solid State 250 amp controller

- **Direction Selector:** Dash mounted (Forward-Neutral-Reverse)
- **Batteries:** Four, Six Volt Deep Cycle

**Battery Charger:** 24 Volt On-Board. Fully Automatic line compensating. Underwriters Laboratories (U.L.) Recognized, and CE Marked

- **Input:** 100 – 240 Volt, 50/60 Hz, 12/6A
- **Output:** 24 Volt, 25A, 20A@100V

**Motor:** 24 Volt DC series wound, brazed armature, solid copper armature. 8.25 hp (6.15 kW) @ 1570 rpm

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

**Electrical System:** 24 Volt DC, four, 6 volt deep cycle batteries (225 amp-hour @ 20 hr. discharge rate)

**Transaxle:** Differential with helical gears

**Brakes:** Dual rear wheel mechanical drum brakes. Integrated park brake

**Convenience:** Seat back folds down to accommodate single rear facing passenger

**Steering:** Steering tiller. Optional steering wheel

**PRODUCT OVERVIEW**

Dimensions	
Overall Length	85.0 in (216 cm)
Overall Width	30.0 in (76 cm)
Overall Height (Tiller)	39.0 in (99 cm)
Overall Height (Steering Whl)	46.0 in (117 cm)
Wheel Base	48.0 in (122 cm)
Front Wheel Track	N/A
Rear Wheel Track	25.5 in (65 cm)
Gnd Clearance @ Differential	4.0 in (10 cm)
Cargo Deck Width	23.0 in (58 cm)
Cargo Deck Length	29.0 in (73 cm)
Cargo Deck Depth	4.0 in (10 cm)
Cargo Deck Material	Plywood

Performance	
Capacity	2 Persons (Seat Back Down)
Dry Weight	440.0 lb (200 kg) (Without Batteries)
Curb Weight	690.0 lb (314 kg)
Cargo Deck Load Capacity	300 lb (140 kg)
Vehicle load capacity	550 lb (250 kg)
Outside Clearance Circle	10.8 ft (3.3 m)
Intersecting Aisle Clearance	54.0 in (137 cm)
Speed (Level Ground)	10 mph ± 0.5 mph (16 kph ± 0.8 kph)

Vehicle Power	
Power Source	24 Volts DC
Motor Type	Series Wound
Max. Horsepower (kW)	8.25 hp (6.15 kW) @ 1570 rpm
Electrical System	24 Volt
Batteries (Qty, Type)	Four, 6 Volt Deep Cycle
Key or Pedal Start	Pedal Start
Battery Charger	24 VDC, 100-240 VAC On-Board, UL & CE
Speed Controller	Solid State 250 Amp Rated
Drive Train	Motor Shaft Direct Drive
Transaxle	Differential with Helical Gears
Gear Selection	Dash Mounted Forward-Neutral-Reverse
Rear Axle Ratio	14.78:1

Steering & Suspension	
Steering	Direct Handlebar to Front Fork
Front Suspension	Torque Block
Rear Suspension	Coil Springs & Single Shock Absorber
Service Brake	Rear Wheel Mechanical Drum
Parking Brake	Single Point Latch
Front Tire	4.80 x 8 (Load Range B)
Rear Tires	4.80 x 8 (Load Range B)

Body & Chassis	
Frame & Body	Welded steel with DuraShield™ powder coat
Body & Finish	Diamond plate pattern. Polyester primer/Acrylic
Standard Color	Safety Yellow

Noise & Vibration	
Noise	Sound pressure; continued A-weighted ≤ 70 db(A)
Vibration, WBV	Highest RMS value of weighted acceleration is less than 2.5 m/s
Vibration, HAV	Highest RMS value of weighted acceleration is less than 2.5 m/s
The uncertainty of measurement is 0.12 m/s	
Measurement methods were applied per the ISO 2631 and ISO 5349 standards under conditions of typical vehicle surfaces.	

Type E and EE Vehicles certified to UL583  
*Some items shown may be optional equipment*



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

Item	Std	Opt	Fld
<b>TIRES &amp; WHEELS:</b>			
<b>Front &amp; Rear:</b>			
4.80 x 8 (Load Range B)	X		
4 x 8 Solid Non-Marking Tires		X	

<b>COLORS:</b>			
Body Color - Safety Yellow	X		

<b>OTHER PERFORMANCE:</b>			
Steering Wheel		X	

<b>ELECTRICAL:</b>			
<b>Battery Chargers:</b>			
24 Volt On-Board, 100-240 VAC, UL & CE	X		
24 Volt Portable CE, Lester		X	
Charger Delete		X	

<b>Electrical:</b>			
DC/DC Converter	X		
Operator Present Switch	X		
State of Charge Meter	X		
Horn	X		
Headlight		X	
E-Stop (Required for CE Option)		X	
Hour Meter		X	

Item	Std	Opt	Fld
<b>MISCELLANEOUS:</b>			
Certification Type 'E'	X		
Certification Type 'EE'		X	
CE Option (E-Stop req'd)		X	