



**CUSHMAN**

**MODEL: MINUTE MISER**  
**TYPE: 3 WHEEL ELECTRIC POWERED TRUCK**  
**MODEL YEAR: 2011**  
**Part No: 898320**



**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.) Listed, (C.S.A. Certified)

- **Input:** 110 – 120 Volt, 60 Hz, 8.5 amp
- **Output:** 24 Volt at 25 amps. DC

**Motor:** 24 Volt DC series wound, brazed armature, solid copper armature. 1.5 hp (1.1 kW) @ 2800 rpm, 4.3 hp (3.2 kW) @ 1200 rpm

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

**Electrical System:** 24 Volt DC, four, 6 volt deep cycle batteries (115 minute minimum, 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 with horn switch. 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

**Vehicle Power**

Power Source	24 Volts DC
Motor Type	Series Wound
Horsepower (kW)	1.5 hp (1.1 kW) @ 2800 rpm
Electrical System	24 Volt
Batteries (Qty, Type)	Four, 6 Volt Deep Cycle
Key or Pedal Start	Pedal Start
Battery Charger	24 VDC, 120 VAC On-Board, UL & CSA
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

**Performance**

Capacity	2 Persons (Seat Back Down)
Dry Weight	490.0 lb (225 kg) (Without Batteries)
Curb Weight	740.0 lb (335 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 (14 kph ± 0.8 kph)

**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	Yellow

*Some items shown may be optional equipment*

