



CUSHMAN

MODEL: MINUTE MISER
TYPE: 3 WHEEL ELECTRIC POWERED TRUCK
MODEL YEAR: 2015
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
- Speed Control:** Programmable Solid State 400 Amp Controller
- 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		Performance	
Overall Length	85.0 in (216 cm)	Capacity	2 Persons (Seat Back Down)
Overall Width	30.0 in (76 cm)	Dry Weight	440.0 lb (200 kg) (Without Batteries)
Overall Height (Tiller)	39.0 in (99 cm)	Curb Weight	690.0 lb (314 kg)
Overall Height (Steering Whl)	46.0 in (117 cm)	Cargo Deck Load Capacity	300 lb (140 kg)
Wheel Base	48.0 in (122 cm)	Vehicle load capacity	550 lb (250 kg)
Front Wheel Track	N/A	Outside Clearance Circle	10.8 ft (3.3 m)
Rear Wheel Track	25.5 in (65 cm)	Intersecting Aisle Clearance	54.0 in (137 cm)
Gnd Clearance @ Differential	4.0 in (10 cm)	Speed (Level Ground)	10 mph ± 0.5 mph (16 kph ± 0.8 kph)
Cargo Deck Width	23.0 in (58 cm)	Steering & Suspension	
Cargo Deck Length	29.0 in (73 cm)	Steering	Direct Handlebar to Front Fork
Cargo Deck Depth	4.0 in (10 cm)	Front Suspension	Torque Block
Cargo Deck Material	Plywood	Rear Suspension	Coil Springs & Single Shock Absorber
Vehicle Power		Service Brake	Rear Wheel Mechanical Drum
Power Source	24 Volts DC	Parking Brake	Single Point Latch
Motor Type	Series Wound	Front Tire	4.80 x 8 (Load Range B)
Max. Horsepower (kW)	8.25 hp (6.15 kW) @ 1570 rpm	Rear Tires	4.80 x 8 (Load Range B)
Electrical System	24 Volt	Body & Chassis	
Batteries (Qty, Type)	Four, 6 Volt Deep Cycle	Frame & Body	Welded steel with DuraShield™ powder coat
Key or Pedal Start	Pedal Start	Body & Finish	Diamond plate pattern. Polyester primer/Acrylic
Battery Charger	24 VDC, 100-240 VAC On-Board, UL & CE	Standard Color	Safety Yellow
Speed Controller	Solid State 250 Amp Programmable	Noise & Vibration	
Drive Train	Motor Shaft Direct Drive	Noise	Sound pressure; continued A-weighted ≤ 70 db(A)
Transaxle	Differential with Helical Gears	Vibration, WBV	Highest RMS value of weighted acceleration is less than 2.5 m/s
Gear Selection	Dash Mounted Forward-Neutral-Reverse	Vibration, HAV	Highest RMS value of weighted acceleration is less than 2.5 m/s
Rear Axle Ratio	14.78:1		The uncertainty of measurement is 0.12 m/s

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

Measurement methods were applied per the ISO 2631 and ISO 5349 standards under conditions of typical vehicle surfaces.



OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

Item	Std	Opt	Fld
TIRES & WHEELS:			
Front & Rear:			
4.80 x 8 (Load Range B)	X		
4.80 x 8 (Load Range B) Foam Filled		X	
Trail (Load Range B) Silver Wheels		X	
Trail (Load Range B) Silver Wheels Foam Filled		X	

COLORS:

Body Color - Safety Yellow	X		
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OTHER PERFORMANCE:

Steering Wheel		X	
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ELECTRICAL:

Battery Chargers:

24 Volt On-Board, 100-240 VAC, UL & CE	X		
24 Volt Portable CE, Lester		X	
Charger Delete		X	

Electrical:

Headlight		X	
E-Stop (Required for CE Option)		X	
Horn	X		
Hour Meter		X	
Operator Present Switch	X		
State of Charge Meter	X		

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