



CUSHMAN

MODEL: MINUTE MISER
TYPE: 3 WHEEL ELECTRIC POWERED TRUCK
PART NO: 628520



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

Speed Control: Solid State 250 amp controller
 Direction Selector: Dash mounted (Forward-Neutral-Reverse)
 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 (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. 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 (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)

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

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.

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



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FEATURES AND OPTIONS *

FEATURE	STD	OPT	FLD	PART NUMBER
TIRES & WHEELS:				
Front & Rear:				
4.80 x 8 (Load Range B)	X			
4.80 x 8 (Load Range B) Foam Filled		X		602495
COLORS:				
Body:				
Vehicle Color (Safety Yellow)	X			
Custom Vehicle Color		X		Factory to provide
OTHER PERFORMANCE:				
Steering Wheel		X		53101
ELECTRICAL:				
Battery Chargers:				
24 Volt On-Board, 100-240 VAC, UL & CE	X			
24 Volt Portable		X		887096
Charger Delete		X		136
Electrical:				
Headlight		X		892942G02
Horn	X			
Hour Meter		X		880631G01
Operator Present Switch	X			
State of Charge Meter	X			
MISCELLANEOUS:				
Type 'EE' Certification (includes headlights)		X		628968
CE Option		X		628520G01

* Field options do not include installation

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