



**CUSHMAN**

MODEL: STOCK CHASER  
TYPE: 3 WHEEL ELECTRIC POWERED PARTS PICKER  
PART NO: 628521



**PRODUCT SPECIFICATION**

**CONFIGURATION HIGHLIGHTS**

Speed Control: Solid State 275 amp controller. Potentiometer throttle sensor  
 Direction Selector: Dash mounted (Forward-Neutral-Reverse)  
 Battery Charger: 24 Volt On-Board. Fully 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. 8.94 hp (6.67 kW) @ 1490 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. Automatic park brake  
 Convenience: 4 & 6 rung ladders available  
 Towing Capacity: 2000 lbs (907 kg) Draw Bar Pull (Normal): 60 lb (27.2 kg) - per ANSI B56.9

**PRODUCT OVERVIEW**

**DIMENSIONS**

Overall Length 88.4 in (225 cm)  
 Overall Width 29.5 in (75 cm)  
 Overall Height (No Ladder) 48.0 in (122 cm)  
 Overall Height (4 Step Ladder) 78.0 in (198 cm)  
 Overall Height (6 Step Ladder) 97.0 in (246 cm)  
 Wheel Base 48.3 in (123 cm)  
 Front Wheel Track N/A  
 Rear Wheel Track 24.75 in (63 cm)  
 Gnd Clearance @ Differential 4.0 in (10 cm)  
 Cargo Deck Width 29.0 in (74 cm)  
 Cargo Deck Length 48.0 in (122 cm)  
 Cargo Deck Material Plywood

**VEHICLE POWER**

Power Source 24 Volts DC  
 Motor Type Series Wound  
 Max. Horsepower (kW) 8.94 hp (6.67 kW) @ 1490 rpm  
 Electrical System 24 Volt  
 Batteries (Qty, Type) Four, 6 Volt Deep Cycle  
 Key or Pedal Start Pedal Start  
 Battery Charger 24 V, 100-240 VAC On-Board, UL & CE  
 Speed Controller Solid State 275 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 1 Person (Standing)  
 Dry Weight 522.0 lb (237 kg) (Without Batteries)  
 Curb Weight 810.0 lb (367 kg)  
 Cargo Deck Load Capacity 750.0 lb (340 kg)  
 Vehicle load capacity 1000.0 lb (450 kg)  
 Outside Clearance Circle 12.4 ft (3.8 m)  
 Intersecting Aisle Clearance 56.0 in (142 cm)  
 Speed (Level Ground) 8.5 mph max (13.7 kph max)

**STEERING & SUSPENSION**

Steering Direct Chain & Linkage  
 Front Suspension Solid  
 Rear Suspension Solid  
 Service Brake Rear Wheel Mechanical Drum  
 Parking Brake Automatic  
 Front Tires 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



**CUSHMAN**

**FEATURES AND OPTIONS \***

FEATURE	STD	OPT	FLD	PART NUMBER
<b>TIRES &amp; WHEELS:</b>				
4.80 x 8 (Load Range B)	X			
Foam Filled 4.80 x 8 (Load Range B)		X		630865
Trail with Silver Wheels (Load Range B)		X		630866
Foam Trail with Silver Wheels (Load Range B)		X		630867
<b>COLORS:</b>				
Body Color - Safety Yellow	X			
Custom Body Color		X		Factory to provide
<b>HAULING &amp; TOWING:</b>				
Pintle Hitch		X		32980G03
"E" Hitch		X		33732G03
Counterweight		X		33213G01
Side Rails			X	31157G1
Cargo Deck (Galvanized)		X		31050G1
Cargo Deck (Stainless Steel)		X		31050G2
<b>ELECTRICAL:</b>				
<b>Battery Chargers:</b>				
24 Volt On-Board, 100-240 VAC, UL & CE	X			
24 Volt Portable, (Electrical Sys. Portable Charger req'd)		X		602712
<b>Battery Trays/Batteries:</b>				
Lift Out Battery Tray 220 Amp Hour Batteries		X		33588G02
Lift Out Battery Tray 250 Amp Hour Batteries		X		33588G04
<b>Electrical:</b>				
Headlights & Taillight		X		32984G01
Strobe Light (Ladder Required)			X	33212G01
Forward Motion Indicator		X		32734G1
Horn	X			
Hour Meter		X		33586G01
State of Charge Meter		X		33587G01
Operator Present Switch	X			
<b>OTHER PERFORMANCE:</b>				
Ladder - 4 Step (Counterweight included)			X	33291G01 + 33213G01
Ladder - 6 Step (Counterweight included)			X	33291G02 + 33213G01
<b>Miscellaneous:</b>				
Type 'EE' Certification		X		35231G01
CE Option		X		628521G01
Differential Scuff Guard		X		25355G1

**Gradeability**

Maximum % of Grade/Payload - per ANSI B56.9

Vehicle Speed**	Drawbar Pull†	0%	5%	10%	15%	20%	25%	30%
mph/kmh	lbs/kg	lbs/kg	lbs/kg	lbs/kg	lbs/kg	lbs/kg	lbs/kg	lbs/kg
1.0/1.6	693/314	21290/9657	6859/3111	3541/1606	2076/942	1255/569	733/332	374/170
2.0/3.2	456/207	13390/6074	3894/1766	1711/776	747/339	207/94	-	-
3.0/4.8	154/70	3323/1507	117/53	-	-	-	-	-
4.0/6.4	143/65	2957/1341	-	-	-	-	-	-

Grades designated in this chart indicate "climbing ability" of the vehicle with one operator and no bed load. Other considerations such as braking, road surface, type of load and stability must be made for safe operation.

\*\*Vehicle speed at Peak Torque.

†Formula: Weight to be pulled multiplied by .03 equals Drawbar Pull required except where gradeability exceeds max allowable trailer weight.

\* Field options do not include installator

Confidential  
Prices subject to change without notice

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