



CUSHMAN

MODEL: STOCK CHASER
TYPE: 3 WHEEL ELECTRIC POWERED PARTS PICKER
MODEL YEAR: 2015
Part No.: 628521



PRODUCT SPECIFICATION
CONFIGURATION HIGHLIGHTS

- Speed Control:** Solid State 275 amp controller. Potentiometer throttle sensor
- Dash mounted direction selector switch (Forward-Neutral-Reverse)
 - Four, Six Volt Deep Cycle
- 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 (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:** Normal Draw Bar Pull 60 lb (27.2 kg). Maximum Draw Bar Pull 715 lb (324 kg) (Per ANSI B56.9)

PRODUCT OVERVIEW

Dimensions		Performance	
Overall Length	88.4 in (225 cm)	Capacity	1 Person (Standing)
Overall Width	29.5 in (75 cm)	Dry Weight	522.0 lb (237 kg) (Without Batteries)
Overall Height (No Ladder)	48.0 in (122 cm)	Curb Weight	810.0 lb (367 kg)
Overall Height (4 Step Ladder)	78.0 in (198 cm)	Cargo Deck Load Capacity	750.0 lb (340 kg)
Overall Height (6 Step Ladder)	97.0 in (246 cm)	Vehicle load capacity	1000.0 lb (450 kg)
Wheel Base	48.3 in (123 cm)	Outside Clearance Circle	12.4 ft (3.8 m)
Front Wheel Track	N/A	Intersecting Aisle Clearance	56.0 in (142 cm)
Rear Wheel Track	24.75 in (63 cm)	Speed (Level Ground)	8.5 mph max (13.7 kph max)
Gnd Clearance @ Differential	4.0 in (10 cm)	Towing Capacity (Draw Bar)	60 lb (27.2 kg) Normal. 715 lb (324 kg) Max.
Cargo Deck Width	29.0 in (74 cm)	Steering and Suspension	
Cargo Deck Length	48.0 in (122 cm)	Steering	Direct Chain & Linkage
Cargo Deck Material	Plywood	Front Suspension	Solid
Vehicle Power		Rear Suspension	Solid
Power Source	24 Volts DC	Service Brake	Rear Wheel Mechanical Drum
Motor Type	Series Wound	Parking Brake	Automatic
Max. Horsepower (kW)	8.94 hp (6.67 kW) @ 1490 rpm	Front Tires	4.80 x 8 (Load Range B)
Electrical System	24 Volt	Rear Tires	4.80 x 8 (Load Range B)
Batteries (Qty, Type)	Four, 6 Volt Deep Cycle	Body & Chassis	
Key or Pedal Start	Pedal Start	Frame & Body	Welded steel with DuraShield™ powder coat
Battery Charger	24 V, 100-240 VAC On-Board, UL & CE	Body & Finish	Diamond plate pattern. Polyester primer/Acrylic
Speed Controller	Solid State 275 Amp Rated	Standard Color	Safety Yellow
Drive Train	Motor Shaft Direct Drive	Noise & Vibration	
Transaxle	Differential with helical gears	Noise	Sound pressure; continued A-weighted ≤ 70 db(A)
Gear Selection	Dash Mounted Forward-Neutral-Reverse	Vibration, WBV	Highest RMS value of weighted acceleration is less than 2.5 m/s
Rear Axle Ratio	14.78:1	Vibration, HAV	Highest RMS value of weighted acceleration is less than 2.5 m/s

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

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.



OPTIONS & FIELD INSTALLED ACCESSORIES (Installation not included)*

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

COLORS:			
Body Color - Safety Yellow	X		
Custom Body Color		X	

HAULING & TOWING:			
Pintle Hitch		X	
"E" Hitch		X	
Counterweight		X	
Side Rails			X
Cargo Deck (Galvanized)		X	
Cargo Deck (Stainless Steel)		X	

OTHER PERFORMANCE:			
Ladder - 4 Step (Counterweight req'd)			X
Ladder - 6 Step (Counterweight req'd)			X

Miscellaneous:			
Certification Type 'E'	X		
Certification Module 'EE'		X	
CE Option (E-Stop req'd)		X	
Differential Scuff Guard		X	

Item	Std	Opt	Fld
ELECTRICAL:			
Battery Chargers:			
24 Volt On-Board, 100-240 VAC, UL & CE	X		
24 Volt Portable, (Electrical Sys. Portable Charger req'd)		X	
Electrical System (Portable Charger)		X	

Battery Trays/Batteries:			
Body Color - Safety Yellow	X		
Custom Body Color		X	
Nonstandard Battery Option		X	

Electrical:			
Headlights & Taillight		X	
Strobe Light (Ladder Required)			X
Forward Motion Indicator		X	
Horn	X		
Hour Meter		X	
State of Charge Meter		X	
Operator Present Switch	X		
E-Stop (Required for CE Option)		X	

Gradeability

Vehicle Speed**	Drawbar Pull†	Maximum % of Grade/Payload*					
		0%	5%	10%	15%	20%	25%
mph/kmh	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
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.

*Payload - Vehicle payload must not exceed vehicle payload rating. Balance of load must be trailed weight (trailer weight plus load on trailer)

**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.