

MODEL: LSV 800
TYPE: ELECTRIC LOW SPEED TRUCK
MODEL YEAR: 2012
Part No.: 624927



PRODUCT SPECIFICATION

CONFIGURATION HIGHLIGHTS

Programmable AC Drive System: Factory programmable to application

- Solid State variable frequency AC speed controller
- Drive-by-wire electronic throttle control
- Dash mounted direction selector switch (Forward-Neutral-Reverse)
- Descent speed control and automatic hill hold
- Full-time regenerative braking
- 235 Amp AC Controller
- Full torque, reduced speed reverse
- Sealed Hall effect throttle sensor
- Full diagnostic capability (Hand held diagnostic unit)
- Dash mounted High/Low speed selector switch

Motor: 48 Volt AC induction motor, solid copper windings. 4.4 hp (3.3 kW) Continuous, 15 hp (11.2 kW) peak. AC system reads motor speed for accurate speed control in all conditions. Regenerative braking for maximum economy

Battery Charger: On-board 48 VDC PowerWise™ High Frequency, 120/230 VAC 50/60 Hz with 30 amp DC-DC Converter. (U.L. & C.S.A. Certified)

Electrical System: 48 Volt DC, four, 12 volt deep cycle storage batteries (60 minute minimum, 150 amp-hour @ 20 hr. discharge rate)

Drive Train: Direct motor shaft connected to transaxle pinion shaft

Transaxle: Differential with reverse helical gears

Brakes: 4-wheel hydraulic disc brakes and Induction motor. Electro-magnetic parking brake is applied automatically

Towing: Rear hitch receiver integrated into bed support frame

Cargo Bed: Roto-molded cross-linked polyethylene. Tilts for access to powertrain. Removable hinged multi-position tailgate requires no latch mechanism

PRODUCT OVERVIEW

Dimensions			Battery Charger	
Overall Length	108.9 in	277 cm	DC-DC Converter	Onboard 48 VDC PowerWise™ 30 amp - Integrated into On-board Charger
Overall Width	48.5 in	123 cm	Performance	
Overall Height	71.2 in	181 cm	Seating Capacity & Style	2 Persons/Bucket Seats
Overall Height (with Strobe)	75.2 in	191 cm	Dry Weight	893 lb 405 kg
Wheel Base	65.9 in	167 cm	Curb Weight	1221 lb 554 kg
Front Wheel Track	36.7 in	93 cm	Bed Load Capacity	300 lb 136 kg
Rear Wheel Track	39.7 in	101 cm	Vehicle load capacity	800 lb 363 kg
Gnd Clearance @ Differential	4.5 in	11 cm	Towing Capacity	1200 lb max (See Page 2 for Gradeability)
Cargo Box Width (inside)	44.5 in	113 cm	Gross Axle Weight Rating - F	575 lb 261 kg
Cargo Box Length (inside)	30.5 in	77 cm	Gross Axle Weight Rating - R	2000 lb 907 kg
Cargo Box Depth (inside)	7.5 in	19 cm	Outside Clearance Circle	19.7 ft 6.0 m
Cargo Box Capacity	5.9 cu ft.	0.17 m ³	Speed - Low (Level Ground)	14 mph 22.5 kph
Cargo Box Material	Roto-molded polyethylene		Speed - High (Level Ground)	25 mph 40.2 kph
Vehicle Power			Speed - Reverse	8 mph 12.9 kph
Power Source	48 Volts DC		Steering & Suspension	
Motor Type	48 Volts AC		Steering	Double Ended Rack & Pinion - 3.69 turns to lock
Horsepower (kW)	4.4 hp	3.3 kW	Front Suspension	Independent A-arm with Coil Over Shock
Electrical System	48 Volt		Rear Suspension	Mono-Leaf Springs with Hydraulic Shocks
Batteries (Qty, Type)	Four, 12 Volt Deep Cycle		Service Brake	4-Wheel Hydraulic Disc with Motor Regen
Key or Pedal Start	Pedal Start		Parking Brake	Spring Applied Electro-magnetic
Speed Controller	235 amp		Front & Rear Tires	DOT Street Legal 205-50-10 Radial
Drive Train	Motor Shaft Direct Drive		Body & Chassis	
Transaxle	Helical Gears		Frame	Welded Steel with DuraShield powder coat
Direction Selection	Dash mounted Forward-Neutral-Reverse		Body & Finish	Injection Molded TPO & Automotive Style Paint
Speed Selection	Dash mounted High-Low switch		Standard Color	Patriot Blue
Rear Axle Ratio	14.76:1 (F)			

Some items shown may be optional equipment



CUSHMAN

OPTIONS & FIELD INSTALLED (Installation not included)*

Item	Std	Opt	Fld	Item	Std	Opt	Fld
Wheels & Tires:				Automotive Safety Glass Windshield (AS1)	●		
DOT Street Legal 205 -50-10 Radial	●			Windshield Mounted Automotive Style Rear View Mirror	●		
Steel Wheels with Painted Platinum Wheel Covers	●			OPS (Operator Protective Structure) Rated Canopy	●		
Diamond Pattern Aluminum Wheels		●		On-Board Charger with 30 amp DC-DC Converter	●		
Body Colors:				Run-Tow Switch	●		
Patriot Blue	●			Charger Cord Receptacle with Charge Indicator Light	●		
Safety Yellow		●		Split bench seat with center console (Front)	●		
OPS Color (Canopy):				Custom Front Fascia with Integrated Signal Indicators	●		
White	●			Reflex Reflectors on Side & Rear of Vehicle	●		
Seat Colors:				Four 12V US12VRX Batteries	●		
Stone Beige	●			Anti-slip Floor Mat	●		
Oyster		●		Horn Switch integrated in Turn Signal Lever	●		
Standard Features:				Poly Bed with Tilt Capability	●		
Dash mounted High-Low Speed Selector Switch	●			Lighted License Plate Holder	●		
Dash Mounted 12-V Accessory Outlet	●			Passenger Side Mirror	●		
Dash Mounted Speedometer, Odometer & SOC Gauge	●						
Error Code Display in Speedometer & Odometer Gauge	●			Vehicle Options:			
3-point Seat Belts - Front & Rear	●			2-Speed Windshield Wiper Kit		●	
Automatic Parking Brake	●			16 ft (5 m) Charger Cord with Integrated GFI		●	
4 Cup Cup Holder	●			Driver Side Locking Glove Box		●	
Passenger Side Locking Glove Box	●			Drop in Ashtray		●	
Individually Keyed	●			Battery Fill System		●	
Comfort Grip Steering Wheel	●			HydroLink Hose Supply and Hand Pump		●	
Turn Signals and Flashers	●			Hard Cab Kit			●
Headlights	●			OPS Mounted Amber Strobe Light			●
Brake Lights Including Center High Mount Stop Light	●			Heater/Defroster			●
OPS Mounted Driver Side Mirror	●			Weather Enclosure			●
2-in Tow Hitch Receiver	●			Tow Hitch			●

Gradeability

Vehicle Speed**	Drawbar Pull†	Maximum % of Grade/Payload*						
		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
2.0/3.2	468/212	1800/816	1800/816	1800/816	1213/550	621/282	249/113	-
6.0/9.7	455/206	1800/816	1800/816	1800/816	1136/516	562/255	-	-
10.0/16.1	354/161	1800/816	1800/816	1312/595	568/258	-	-	-
16.0/25.7	151/68	1800/816	418/190	-	-	-	-	-

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. Consult factory for specific requirements.

*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.