



MODEL: LSV 800
TYPE: ELECTRIC LOW SPEED TRUCK
MODEL YEAR: 2016
Part No: 643507



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 range

Battery Charger: On-board 48 VDC 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, six, 8 volt deep cycle storage batteries (170 amp-hour @ 20 hr. discharge rate)

Drive Train: Direct motor shaft connected to transaxle pinion shaft Transaxle: Differential with reverse helical gears

Battery Tray: Rust Free Galvanized battery tray

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

Towing: 2" 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

STANDARD VEHICLE CONFIGURATION

Dimensions

Table with 3 columns: Overall Dimensions (Length/Width/Height), Overall Height (with Strobe), Wheel Base, Front Wheel Track, Rear Wheel Track, Gnd Clearance @ Differential, Cargo Box Dimensions (Length/Width/Height), Cargo Box Capacity.

Performance

Table with 2 columns: Seating Capacity & Style, Dry Weight, Curb Weight, Bed Load Capacity, Vehicle load capacity, Towing Capacity, Gross Axle Weight Rating - F/R, Outside Clearance Circle, Speed - High/Low (Level Ground), Speed - Reverse.

Vehicle Power

Table with 2 columns: Motor Type, Speed Controller, Horsepower (kW), Batteries (Qty, Type), Key or Pedal Start, Drive Train, Transaxle, Direction Selection, Speed Selection, Rear Axle Ratio.

Steering & Suspension

Table with 2 columns: Steering, Front Suspension, Rear Suspension, Service Brake, Parking Brake, Front & Rear Tires.

Body & Chassis

Table with 2 columns: Frame, Body & Finish, Standard Color.

Some items shown may be optional equipment



OPTIONS & FIELD INSTALLED (Installation not included)*

Item	Std	Opt	Fld
Wheels & Tires:			
DOT Street Legal 205 -50-10 Radial	X		
Diamond Pattern Aluminum Wheels		X	

Body Colors:			
Patriot Blue	X		
Safety Yellow		X	

OPS Color (Canopy):			
White	X		

Seat Colors:			
Stone Beige	X		
Oyster		X	

Standard Features:			
Dash Mounted 12-V Accessory Outlet	X		
Dash Mounted Speedometer, Odometer & SOC Gauge	X		
Error Code Display in Speedometer & Odometer Gauge	X		
3-point Seat Belts	X		
Individually Keyed	X		
Comfort Grip Steering Wheel	X		
4 Cup CupHolder	X		
Passenger Side Locking Glove Box	X		
Headlights	X		
Brake Lights Including Center High Mount Stop Light	X		
Turn Signals, Flashers w/Integrated Horn	X		
OPS Mounted Driver Side Mirror	X		

Item	Std	Opt	Fld
Standard Features: (cont.)			
Automotive Safety Glass Windshield (AS1)	X		
Windshield Mounted Automotive Style Rear View Mirror	X		
OPS (Operator Protective Structure) Rated Canopy	X		
On-Board Charger with 30 amp DC-DC Converter	X		
Run-Tow Switch	X		
Charger Cord Receptacle with Charge Indicator Light	X		
Split bench seat with center console	X		
Custom Front Fascia with Integrated Signal Indicators	X		
Reflectors on Side & Rear of Vehicle	X		
Anti-slip Floor Mat	X		
Lighted License Plate Holder	X		
Passenger Side Mirror	X		

Vehicle Options:			
2-Speed Windshield Wiper Kit		X	
16 ft (5 m) Charger Cord with Integrated GFI		X	
Driver Side Locking Glove Box		X	
Drop in Ashtray		X	
Alternate Choice Batteries		X	
Battery Fill System		X	
HydroLink Hose Supply and Hand Pump			X
OPS Mounted Amber Strobe Light			X
Heater/Defroster			X
Weather Enclosure, Soft			X
Tow Hitch (Ball, Clevis or Angle)			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
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.