

State Price Quote Specification
**TYPE D—84 PASSENGER
ELECTRIC**

Use this document to bid both non-lift and lift buses for 61 – 84 capacity.

Vendor: The Lion Electric Co.
USA Inc.

ITEM	SPECIFICATIONS	VENDOR SPECIFICALLY IDENTIFY ITEM BID
	Vendor must meet or exceed these specifications. Item bid shall be specified in column to right.	Price of items bid will establish the district cost.
Seating Capacity	84 passenger maximum design capacity seated for 78 passenger.	Capacity w/o lift <u>78 passengers</u> Capacity w/lift <u>72 + 1 WC</u>
Auxiliary Fans	2 fans, 6" maximum, mounted to right and left windshield and service door.	Mfr. <u>Bergstrom</u>
Axle—Front	13,200 lb. minimum total suspension GVWR.	Mfr. <u>Hendrickson</u> Capacity <u>16,000 lbs</u>
Axle—Rear	23,000 lb. minimum total suspension GVWR.	Mfr. <u>Dana Spier</u> Capacity <u>23,000 lbs</u>
Axle Oil Seals	Front and rear oil bath.	Mfr. <u>National</u>
Axle Ratio	Must comply with power and gradeability formula. Refer to Washington State School Bus Specifications Manual.	Ratio <u>5.29</u>
Back-up Lights	All required backup lights to be LED (Light Emitting Diode). Refer to Washington State School Bus Specification's Manual.	Round: <input checked="" type="checkbox"/> Diameter <u>7 inches</u> Other: <input type="checkbox"/> Square inches _____
Battery(ies)	1400 CCA 12 volt to be mounted in body battery compartment.	Number of batteries <u>2 batteries</u> CCA <u>950 x 2 = 1,900 CCA</u>
Battery(ies) Propulsion	Battery propulsion must meet a minimum of 130 kWh.	Number of batteries <u>4 batteries</u> kWh <u>168</u>
Battery Compartment	Battery storage tray must be large enough to accommodate batteries as specified in chassis section.	<input type="checkbox"/> Swing out <input checked="" type="checkbox"/> Roll out
Brakes	Air: Drum or Disc. If Drum, minimum 16.5" x 6" front, minimum 16.5" x 8" rear. Refer to Washington State School Bus Specifications Manual.	Disc Front <input checked="" type="checkbox"/> Rear <input checked="" type="checkbox"/> Drum Front <input type="checkbox"/> Rear <input type="checkbox"/> Size Front <u>434</u> Rear <u>434</u>
Door, Service	Power operated.	<input type="checkbox"/> Folding <input type="checkbox"/> Other <input type="checkbox"/> Roll out <input checked="" type="checkbox"/> Split, Outward opening

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Driver's Seat	Suspension type, 6-way adjustable, with lumbar adjustment. Cloth panel covers.	Mfr. <u>National</u>
Motor	190 H.P. minimum, located in the rear.	Engine mfr. <u>Dana / TM4</u> Model or liters <u>TM4</u> Net torque <u>1,800</u> @ _____ R.P.M Net H.P. <u>335</u> @ _____ R.P.M
Heaters	Heaters Minimum of 3 heaters; 1 front, 1 center, 1 rear. Shutoff valves at engine for all heaters. Two-speed motors.	Front B.T.U. <u>90,000 (2 x 45,000)</u> Center B.T.U. <u>80,000</u> Rear B.T.U. <u>80,000</u> Total B.T.U. <u>250,000</u>
Lights	LED (Light Emitting Diode). Includes Clearance Lights, Stop Lights—7", Tail Lights, Turn Signals, Eight-Light System, and Dome-Light System.	Check if as specified <input checked="" type="checkbox"/> If not, explain _____
P.A. System	AM/FM/PA radio with 4 interior and 1 exterior speakers.	Mfr. <u>REI radio and speakers</u> Model No. <u>VR-3000</u>
Seat Spacing	78 passenger based upon manufacturer's maximum seat spacing.	Inside measurement from rear of stepwell to appropriate point at rear of passenger seating area: <u>445</u> inches Mfg.'s C/C seat measurement: <u>26</u> inches
Steering Wheel	Tilt and telescoping column.	Check if as specified <input checked="" type="checkbox"/>
Step Tread	Studded or pebbled top tread covering.	Mfr. <u>RCA Rubbers, pebble</u>
Tires	6 first quality, radial ply. No low profile tires.	Mfr. <u>Goodyear or equivalent</u> Size <u>12R22.5x9</u> Load range <u>L</u>

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Toolbox	Exterior, manufacturer standard.	Size (cubic feet) <u>Between 12-6 cubic feet</u>
Two-way Communications	45-watt, VHF, mil. spec.	Mfr. <u>Multiple options and brands available</u> Model No. _____
Wheels	6 to be compatible with tire size.	Size <u>12R</u> Rim width <u>8.25</u>
SPECIAL NEEDS REQUIREMENTS—CHASSIS AND BODY		
Wheelchair Lift—Installed	Must meet state specification. Platform shall be a minimum of 32" x 52".	Mfr. <u>Braun</u> Model No. <u>Century</u>
Wheelchair/ Occupant Tie-down System—Installed	Must meet state specification.	Mfr. <u>Q-Straint</u> Model No. <u>QRT Product Line</u>

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ADDITIONAL REQUIREMENTS—CHASSIS AND BODY		
Line Setting Ticket	Legible copy of manufacturer's Line Setting Ticket will be delivered with each vendor's packet at the time of delivery of the bus.	Check if as specified <input checked="" type="checkbox"/>
Owner's/Operator's Handbook	One copy of the chassis manufacturer's owner's/operator's handbook or manual will be furnished with each bus at time of delivery.	Check if as specified <input checked="" type="checkbox"/>
Repair Manuals	A complete set of chassis, engine, transmission, and body repair manuals, including wiring diagram for all components, will be made available at time of delivery, with instructions available on accessing repair materials.	Check if as specified <input checked="" type="checkbox"/>
Service and Cleaning	Cleaning and service by vendor prior to delivery will include: <ul style="list-style-type: none"> • Chassis lubrication. • Check fluid levels: verify all are at recommended full levels. • Cooling system protected at -20°F. • Interior and exterior will be clean (including glass). • All systems (electric, air, hydraulic, mechanical and manual) be inspected to ensure proper operation at time of delivery. • All components and accessories will be installed and operational at time of delivery. 	Check if as specified <input checked="" type="checkbox"/>
Warranty	A complete copy of all warranty agreements will be furnished at time of delivery.	Check if as specified <input checked="" type="checkbox"/>



Washington Office of Superintendent of
PUBLIC INSTRUCTION
2022-2023

STUDENT TRANSPORTATION
Old Capitol Building
PO BOX 47200
Olympia, WA 98504-7200
(360) 725-6120 TTY (360) 664-3631

VEHICLE DATA SHEET AND OFFICIAL PRICE QUOTATION
TYPE D—84 PASSENGER—ELECTRIC

VENDOR'S COMPANY NAME The Lion Electric Co. USA Inc.		REPRESENTATIVE'S NAME Marc-Andre Page	TELEPHONE NUMBER 450-512-5065
ADDRESS 1620 Industry Dr. Southwest, Auburn, WA, 98001		Estimated delivery date to school district from time purchase order is received: <u>270 days</u> after purchase receipt of order _____	
		Firm where engine and chassis can be serviced or repaired and parts obtained: _____ <u>1620 Industry Dr. Southwest, Auburn, WA, 98001</u>	
		Firm where body can be serviced or repaired and parts obtained: _____ <u>1620 Industry Dr. Southwest, Auburn, WA, 98001</u>	

BODY

MAKE Lion	Warranty: Years <u>1</u> Miles <u>100,000</u>	Inside measurement from rear of stepwell to appropriate point at rear of passenger seating area: w/o lift <u>438.9</u> w/lift <u>354</u>	Equipped seating capacity: w/o lift <u>83</u> w/lift <u>72 + 1</u>
MODEL LionD	YEAR 2023	Seat color: <u>Grey</u> Floor color: <u>Grey</u>	Overall vehicle length (inches): w/o lift <u>471</u> w/lift <u>471</u>

CHASSIS

MOTOR

MAKE Lion	Warranty: Years <u>1</u> Miles <u>100,000</u>	MANUFACTURER Dana / TM4	Torque: <u>1,800</u> @ _____ RPM
MODEL LionD	YEAR 2023	Wheel base: <u>252</u>	MODEL Sumo MD
			YEAR 2023
			H.P.: <u>335</u> @ _____ RPM

BATTERIES

12 Volt		Propulsion	
Battery type/grp: <u>gr31</u>	Number batteries: <u>4</u>	Miles <u>100,000</u>	
Number batteries: <u>2</u>	Total kWh: <u>180</u>		
Total CCA: <u>950 x 2 = 1,900</u>			

QUOTED PRICE

Quoted price is based upon payment within 30 days after delivery to the school district (without sales tax).

Bid—w/o lift \$ 405,260.79

Bid—w/lift \$ 414,676.79

VENDOR REPRESENTATIVE'S SIGNATURE 	DATE <u>2022-08-18</u>
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State Price Quote Specification
DISTRICT-SUPPORTED OPTIONS

Vendor: The Lion Electric Co. USA Inc.

C77 D84 – ELECTRIC

Use this document to bid both non-lift and lift buses.

ITEM	Vendor must meet or exceed these specifications. Item bid shall be specified in column to right.	VENDOR SPECIFICALLY IDENTIFY ITEM BID Price of items bid will establish the district cost.	
Activity Securement Seating	2-passenger position seats with lap-shoulder belts in all passenger positions.	Passenger Capacity <u>39</u>	
		Cost \$ <u>5,382</u>	
Air Conditioning	To cool passenger compartment as required in the Washington State School Bus Specifications manual.	Mfr. <u>ACT</u>	
		Cost \$ <u>15,000</u>	
Anti-spray Device	Rubber fender extenders.	Type C: Cost \$ _____	
		Type D: Cost \$ <u>Not applicable, wheels + tires inside</u>	
Back-up Alarm	Must meet state specification.	Mfr. <u>ECCO or equivalent</u>	
		Cost \$ <u>0</u> , standard on the LionD	
Brakes	4-wheel hydraulic disk brake.	Cost \$ <u>Not applicable</u>	Deduct \$ <u>NA</u>
Brakes	Air, Drum or Disc. Refer to Washington State School Bus Specifications manual.	Disc Cost \$ <u>NA</u>	Disc Deduct \$ <u>NA</u>
		Drum Cost \$ <u>Standard</u>	Drum Deduct \$ <u>NA</u>
Color	Exterior white roof.	Cost \$ <u>Standard on the LionD</u>	
Door Locks	Vandal lock system on all exterior doors.	Cost \$ <u>Standard on the LionD</u>	
Driver's Seat	Suspension type, 6-way adjustable, with lumbar adjustment. Cloth panel covers.	Non-Air	Air
		Mfr. <u>National</u>	Mfr. <u>National</u>
		Cost \$ <u>0</u>	Cost \$ <u>495</u>
Fire Suppression System	Jomarr VT-6-E-NAF, or equal engine compartment fire suppression system of appropriate size to be installed according to manufacturer recommendation.	Mfr. <u>Not applicable</u>	
		Cost \$ _____	
Floor Color	Nonstandard color.	Cost \$ <u>654 (charcoal grey)</u>	
Headlights	Halogen.	Cost \$ <u>Not applicable</u>	
Headlights	L.E.D.	Cost \$ <u>Standard on the LionD</u>	

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Heater (Auxiliary water)	Auxiliary fuel-fired heating systems. Refer to Washington State School Bus Specifications Manual, page 27.	Brand: <u>Spheros</u> Model: <u>S320</u> Cost \$ <u>Standard on the LionD</u>
Noise Reduction	Exceeding minimum specifications.	Driver compartment Cost \$ <u>NA</u> Engine compartment Cost \$ <u>NA</u> Full acoustical headliner Cost \$ <u>NA</u>
Retarder	Manufacturer's standard.	Driveline <input type="checkbox"/> Cost \$ <u>NA</u> Exhaust <input type="checkbox"/> Cost \$ <u>NA</u> Transmission <input type="checkbox"/> Cost \$ <u>NA</u>
Seat Belt Ready Seat	3-passenger position seat with securement belts.	Cost \$ <u>138 per passenger</u>
Seating System	Identical, non-lift bus with lap-shoulder seat belt system installed in all positions.	2 by 2 Cost \$ <u>7,728</u> Capacity <u>56</u> 3 by 2 Cost \$ <u>9,660</u> Capacity <u>70</u> 3 by 3 Cost \$ <u>11,454</u> Capacity <u>83</u>
Storage Compartments	Largest available for unit bid.	Left-side <u>Not available</u> cubic feet. Cost \$ <u>NA</u> Right-side <u>Not available</u> cubic feet. Cost \$ <u>NA</u> Push-thru <u>Not available</u> cubic feet. Cost \$ <u>NA</u>
Strobe Light	Exterior roof mounted white strobe light.	Mfr. <u>Multiple supplier and brands available</u> Model No. _____ Cost \$ <u>255</u>

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Student Protection System—Installed	Electronic system to insure driver post-trip inspection of passenger compartment.	Mfr. <u>ChildCheckMate</u>	
		Model No. <u>Standard</u>	
		Cost \$ <u>150</u>	
Suspension	Air ride (Air brake system only).	Front	Rear
		Cost \$ <u>0, standard</u>	Cost \$ <u>0, standard</u>
Toolbox	Interior, manufacturer standard.	Cost \$ _____	Deduct \$ <u>1,500</u>
Traction Device	Automatic chains.	Mfr. <u>On-spot tire chains</u>	
		Cost \$ <u>5,460</u>	
Traction Device	Sanders.	Capacity <u>Not applicable</u>	
		Cost \$ <u>NA</u>	
Vehicle Securement System	Must meet state specification.	Mfr. <u>Standard</u>	Cost \$ <u>0</u>
Video Camera Systems—Installed	Digital audio/video system for monitoring the passenger compartment with more than two cameras.	Mfr. <u>Seon, Gatekeeper, 24/7, SafetyVision, REI, etc.</u>	
		Model No. <u>Will vary based on preferred video camera</u>	
		Cost \$ <u>4,500</u>	How many cameras <u>5</u>
Video Camera Systems—Stop Sign Camera—Installed	Must meet state specification.	Stand Alone System	Added to Interior System
		Mfr. <u>Seon, Gatekeeper, etc.</u>	Mfr. <u>Seon, Gatekeeper, etc.</u>
		Model No. _____	Model No. _____
		Cost \$ <u>3,500</u>	Cost \$ <u>550</u>
		How many cameras <u>1</u>	How many cameras <u>1</u>
Warning Light Monitor	16 light monitoring system.	Incandescent	LED Lights
		Cost \$ <u>Not applicable</u>	Cost \$ <u>450</u>

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Additional Wheelchair/Occupant Tie-down System—Installed	Must meet state specification.	Mfr. <u>Not available</u>
		Model No. _____
		Cost per station \$ _____
Windows	Laminated passenger-compartment side or rear glass.	Side Cost \$ <u>Standard</u>
		Rear Cost \$ <u>Standard</u>
		Both Cost \$ <u>Standard</u>
Windows	Tinted.	Cost \$ <u>Standard</u>
Windows	Thermal pane, left of driver and service door.	Cost \$ <u>Standard</u>