

# BLUE BIRD VISION - ELECTRIC



## Technical Specification Highlights

CAPACITY	Multiple floor plans available with passenger seating up to 72	TIRE SIZE	11R22.5 (G)
EXTERIOR WIDTH	96"	BRAKES	Air brakes 5" front and 7" rear
INTERIOR WIDTH	90 3/4"	SUSPENSION	Front - 10,000 lb. parabolic springs Rear - 23,000 lb. leaf springs
AISLE WIDTH	Varies by floor plan	STEERING	Tilting/telescoping steering
SKIRT LENGTH	25 3/4"	FRONT AXLE	10,000 lb.
INTERIOR HEADROOM	77"	REAR AXLE	23,000 lb.
OVERALL HEIGHT	123"	WHEEL CUT	50°
WHEELBASE	252" / 273"	GVWR	Up to 33,000 lb.
BATTERIES	155 kWh Li-ION NMC/ G cell	MILES PER CHARGE	Up to 120 miles
ENTRANCE DOOR	27" wide x 78" high / double "full view" outward opening	RECHARGE TIME	Standard CCS1 connector with AC and DC Fast Charging capabilities: - Level 2 charging in approx. 8hrs - Level 3 (DCFC) charging in approx. 3hrs
PROPULSION SYSTEM	Cummins PowerDrive 7000		
MOTOR	TM4® SUMO™		



BLUE BIRD®

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# BLUE BIRD VISION ELECTRIC SPECIFICATIONS

## Chassis

- 100,000 psi steel frame rails 10 1/8" high x 3" flanges x 1/4" thick
- Cummins PowerDrive 7000 propulsion system, Utilizing an electric motor, 315 peak horsepower, 2,400ft-lbs peak torque
- 155 kWh Lithium ion NMC/G cell between frame rails
- 620 Nominal Voltage
- Up to 120 miles per charge dependent on drive cycle, driver behavior, accessories and HVAC usage
- 11R22.5 (G) tires
- Large, easy to read gauges
- 10,000 lb. front axle with 10,000 lb. parabolic spring suspension
- 23,000 lb. rear axle with leaf spring suspension
- Rubber coolant hoses
- Anti-lock brakes
- 15" steel front bumper
- Tilting/telescoping steering column
- Group-31 12v battery
- "Huck Spin" fasteners on all permanent frame fixtures



## Durability

- All parts are pre-primed or thoroughly rust-proofed after fabrication and before assembly
- Entire underbody (body skirt and floor) is undercoated before mounting on chassis
- Exterior surfaces are painted with heat-cured polyurethane
- Interior surfaces are painted with high-quality, hot-sprayed, baked-on enamel
- 1/8" Smooth black rubber flooring, 3/16" ribbed rubber aisle
- Rubber cooling hoses
- Rubber molded wheelhouse
- "Huck Spin" frame fasteners

## Strength

- 14-gauge steel, hat shaped posts and roof bows
- Rigid 16-gauge steel roof longitudinal internal structural members
- 16-gauge, channeled interior steel window headers
- Riveted and welded construction
- Four full-length, 16-gauge exterior side rub rails
- 20-gauge fluted exterior side panels
- 22-gauge interior galvalume side panels
- 14-gauge steel floor panels
- 100,000 psi steel chassis frame, 1/4" thick with permanent fixtures and attached with "Huck Spin" fasteners

## Safety

- 4-wheel anti-lock brakes
- Single halogen headlights
- Driver's three-point seat belt with adjustable 7 1/2" pillar loop
- Outward-opening entrance door with 1,350 square-inch tempered safety glass
- Best driver's line of sight in the school bus industry for a Type C product
- Flat and convex rearview mirrors
- Crossview mirrors
- Electric horn with high and low note
- Blue Bird's unitized construction of the passenger compartment
- 15" steel front bumper, 12" steel rear bumper
- 8.25 x 22.5 Disc, hub-piloted steel wheels
- Certified to Colorado Rack and Load and Kentucky Pole testing
- Sound generator enabled with speeds less than 20mph

## Serviceability

- Chassis multiplex wiring
- Large work space under hood
- Easy hood assist
- Body wiring terminal is easily accessible through exterior electrical compartment
- Wiring is color coded and continuously numbered for easy identification
- Fused circuit protection
- Grease fittings on emergency door hinges
- Easy-opening, outward opening entrance door; features long-lasting, oil-impregnated, bronze pivotal bearings
- Body wiring is encased in "easy to access" ABS molding above passenger windows

## Comfort & Convenience

- 77" headroom at aisle, front to rear
- 12" Split-sash, tempered windows
- Tinted windshield
- 90,000 btu front heater and defroster
- Full "panoramic" cockpit view
- Full body insulation
- Acoustic headlining (Driver's section)
- Efficiency meter

## Driver Ergonomics

- "Best-in-class" driver visibility
- Power steering with tilting/telescoping column
- Large, easy to read gauges
- Backlit, easy to reach switch panel with rocker switches
- Electric, intermittent, single switch windshield wipers
- 3-point seat belt with 7 1/2" vertical adjustment
- Fully adjustable driver's seat
- Wraparound dash

## Optional Features

- Front and rear air ride suspension available on 273" wheelbase only
- Roof or skirt mounted HV self contained A/C
- Wheelchair lift is available as right side rear mount only
- Driver side tool compartment
- Driver side mid-mount luggage compartment
- Stepwell area heater, front of bus heaters and rear bus heaters

## Dimensions

Headroom	77"
Width Exterior	96"
Width Interior	90 3/4"
Skirt Length	25 3/4"
Overall Length	393" - 477"
Overall Height	123" excluding options
Wheelbase/Passenger Capacity	252" = 66 273" = 72

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