

# BLUE BIRD VISION®



## Technical Specification Highlights

<b>CAPACITY</b>	Multiple floor plans available with passenger seating up to 77	<b>TRANSMISSION</b>	Allison® 2500 PTS
<b>EXTERIOR WIDTH</b>	96"	<b>ENGINE</b>	Cummins® ISB-10, 200-260hp
<b>INTERIOR WIDTH</b>	90 3/4"	<b>TIRE SIZE</b>	11R22.5 (G)
<b>AISLE WIDTH</b>	Varies by floor plan	<b>ALTERNATOR</b>	240-amp
<b>SKIRT LENGTH</b>	16 1/4"	<b>BRAKES</b>	Hydraulic disc brakes with 4-wheel anti-lock brakes
<b>INTERIOR HEADROOM</b>	74" standard; 77" optional	<b>SUSPENSION</b>	Front - 8,000 lb. parabolic springs Rear - 17,000 - 21,000 lb. 2-stage leaf springs (rating varies by wheelbase)
<b>OVERALL HEIGHT</b>	120" - 123"	<b>STEERING</b>	Tilting/telescoping steering
<b>WHEELBASE</b>	189" / 217" / 238" / 252" / 273"	<b>FRONT AXLE</b>	12,000 lb.
<b>FUEL TANK</b>	60-gallon between the frame rails in rear overhang	<b>REAR AXLE</b>	21,000 lb.
<b>ENTRANCE DOOR</b>	27" wide x 78" high / double "full view" outward opening	<b>WHEEL CUT</b>	50°
<b>REAR DOOR</b>	37.7" wide x 52.5" high	<b>GVWR</b>	Up to 31,000 lb.

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# BLUE BIRD VISION® SPECIFICATIONS



## Chassis

- 50,000 psi steel frame rails 10 1/8" high x 3" flanges x 5/16" thick
- Cummins® ISB-10; 200 - 260 horsepower
- Allison® automatic transmission, 2500 PTS
- Synthetic transmission fluid
- 60-gal. fuel tank between frame rails in rear overhang
- 240-amp alternator
- 11R22.5 (G) tires
- Large, easy to read gauges
- 12,000 lb. front axle with 8,000 lb. parabolic spring suspension
- 21,000 lb. rear axle with a two-stage rear suspension system (rating varies by wheelbase)
- Rubber coolant hoses
- Hydraulic brake system
- Anti-lock brakes
- 15" steel front bumper
- Tilting/telescoping steering column
- Group-31 batteries
- "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
- Heater hose
- Rubber cooling hoses
- Synthetic transmission fluid
- 11R22.5 (G) tires
- Long life driveline
- Rubber molded wheelhouse
- 12,000 lb. front axle with 8,000 lb. parabolic spring suspension
- 21,000 lb. rear axle with a two-stage rear suspension system (rating varies by wheelbase)
- Side exhaust before rear wheels
- "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
- A massive 16-gauge continuous belt of interior steel armor above and below floor line
- 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
- 50,000 psi steel chassis frame, 5/16" thick with permanent fixtures and attached with "Huck Spin" fasteners



Safety View Vision Panel



Ergonomic Driver's Area

## 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
- "Safety View" vision panel with a wide angle Fresnel lens for view of loading/unloading zone
- Best driver's line of sight in the school bus industry for a Type C product
- 50-degree wheel cut reduces need for backing
- 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
- Side exhaust before rear wheels
- 8.25 x 22.5 Disc, hub-piloted steel wheels
- 11R22.5 (G) tires

## 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
- Tempered glass, split-sash windows
- 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
- Side exit exhaust

## Comfort & Convenience

- 74" headroom at aisle, front to rear
- 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)

## Driver Ergonomics

- "Best-in-class" driver visibility
- 50-degree wheel cut reduces need for backing
- 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
- Manual "glide-type" outward opening door
- 3-point seat belt with 7 1/2" vertical adjustment
- Fully adjustable driver's seat
- Cruise control
- Improved vision in loading zone with "Safety View" window and large glass paneled door
- Wraparound dash

## Optional Features

- Cummins® ISB-10 diesel engine 200-260 hp
- Allison® 3000 PTS Transmission
- Front and rear air ride suspension
- Electric, remote control and heated mirrors
- Laminated glass
- 77" headroom/12" split sash windows
- Dedicated door and wheelchair lifts, along with recessed wheelchair securements for special-needs passengers
- Underfloor luggage compartments with locking doors
- Tinted glass
- Mud flaps
- Vandal locks
- AM/FM/CD Radio with deluxe speakers
- 100-gallon fuel tank
- Air brake system
- Electric door
- 10,000 lb. front springs

## Dimensions

Headroom	74"
Width Exterior	96"
Width Interior	90 3/4"
Skirt Length	16 1/4"
Overall Length	289" - 499"
Overall Height	120" - 123" excluding options
Wheelbase/Passenger Capacity	189" = 48 217" = 54 238" = 60 252" = 66 273" = 72/77 280" = 77

Specifications shown were in effect on the date they were approved for printing. In keeping with its policy of continual product improvement, Blue Bird reserves the right to change specifications without notice and without incurring obligations. Some equipment and features shown may be optional- your Blue Bird Dealer will explain. SB-VIS-CU-0710 © 2010 Blue Bird Corporation

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