

BLUE BIRD VISION®



Technical Specification Highlights

CAPACITY	Multiple floor plans available with passenger seating up to 77	TRANSMISSION	Allison® PTS 2500
EXTERIOR WIDTH	96"	ENGINE	Caterpillar® C7 210-230hp
INTERIOR WIDTH	90 3/4"	TIRE SIZE	11R22.5(G)
AISLE WIDTH	Varies by floor plan	ALTERNATOR	200 amp
SKIRT LENGTH	16 1/4"	BRAKES	Hydraulic disc brakes with 4-wheel anti-lock brakes
INTERIOR HEADROOM	74" standard; 77" optional	SUSPENSION	Front - 8,000 lb. parabolic springs Rear - 17,000 - 21,000 lb. 2-stage leaf springs (rating varies by wheelbase)
OVERALL HEIGHT	124" - 127"	STEERING	TAS 55
WHEELBASE	189" / 217" / 238" / 252" / 273"	FRONT AXLE	12,000 lb.
FUEL TANK	60-gallon between the frame rails in rear overhang	REAR AXLE	21,000 lb.
ENTRANCE DOOR	27" wide x 78" high / double "full view" outward opening	WHEEL CUT	50°
REAR DOOR	37.7" wide x 52.5" high	GVWR	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
- Caterpillar® C7; 210-230 horsepower
- Allison® automatic transmission, PTS 2500
- Synthetic transmission fluid
- 60 gal. fuel tank between frame rails in rear overhang
- 200 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)
- Blue Stripe rubber coolant hoses with constant torque clamps
- Hydraulic brake system
- Anti-lock brakes
- 15" steel front bumper
- Tilt/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
- Goodyear Hi-Miler heater hose with constant torque clamps
- Blue Stripe rubber cooling hoses with constant torque clamps
- Synthetic transmission fluid
- 11R22.5(G) tires
- Spicer "lubed for 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
- "Full view" 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
- Oval shape crossover 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 requires less than 15 lb. opening effort
- Body wiring terminal is easily accessible through exterior electrical compartment
- Wiring is color coded and continuously numbered for easy identification
- Automatic resetting circuit breakers for body wiring
- 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
- Power accessory socket for cellular phones, CB radios, etc.
- Full "panoramic" cockpit view
- Full body insulation
- Acoustic headlining (Driver's and 1st Sections)

Driver Ergonomics

- "Best in class" driver visibility
- 50-degree wheel cut reduces need for backing
- Power steering with tilt/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

- Caterpillar® C7 ACERT diesel engine 210-230 hp
- Allison® PTS 2200 & PTS 3000 Transmission
- Hendrickson® 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
- Bode® electric door
- 10,000 lb. front springs
- Plywood subfloor

Dimensions

Headroom	74"
Width Exterior	96"
Width Interior	90 3/4"
Skirt Length	16 1/4"
Overall Length	289" - 471"
Overall Height	124" - 127"
Wheelbase/Passenger Capacity	189" = 48 217" = 54 238" = 60 252" = 66 273" = 72/77

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-CT-0508 © 2008 Blue Bird Corporation

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