

# BLUE BIRD PROPANE-POWERED VISION®



## Technical Specification Highlights

<b>CAPACITY</b>	Multiple floor plans available with passenger seating up to 77	<b>TRANSMISSION</b>	Allison® PTS 2300 Series
<b>EXTERIOR WIDTH</b>	96"	<b>ENGINE</b>	GM® 8.1L with CleanFUEL USA's LPI™ (Liquid Propane Injection) System
<b>INTERIOR WIDTH</b>	90 3/4"	<b>HORSEPOWER</b>	325 hp @ 4000 RPM
<b>AISLE WIDTH</b>	Varies by floor plan	<b>TORQUE</b>	450 lb. ft @ 2800 RPM
<b>SKIRT LENGTH</b>	16 1/4"	<b>TIRE SIZE</b>	11R22.5(G)
<b>INTERIOR HEADROOM</b>	74" standard; 77" optional	<b>ALTERNATOR</b>	200 amp
<b>OVERALL HEIGHT</b>	124" - 127"	<b>BRAKES</b>	Hydraulic disc brakes with 4-wheel anti-lock brakes
<b>WHEELBASE</b>	189" / 217" / 238" / 252" / 273"	<b>SUSPENSION</b>	Front - 8,000 lb. parabolic springs Rear - 17,000 - 21,000 lb. 2-stage leaf springs (rating varies by wheelbase)
<b>FUEL TANK</b>	ASME certified steel fuel tank located between frame rails in rear overhang; range is comparable to a 60-gallon diesel tank	<b>STEERING</b>	TAS 55
<b>ENTRANCE DOOR</b>	27" wide x 78" high / double "full view" outward opening	<b>FRONT AXLE</b>	12,000 lb.
<b>REAR DOOR</b>	37.7" wide x 52.5" high	<b>REAR AXLE</b>	21,000 lb. with 5.29 ratio
		<b>WHEEL CUT</b>	50°
		<b>GVWR</b>	Up to 31,000 lb.

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# BLUE BIRD PROPANE-POWERED VISION® SPECIFICATIONS



## Chassis

- 50,000 psi steel frame rails 10 1/8" high x 3" flanges x 5/16" thick
- GM® 8.1L with LPI™ (Liquid Propane Injection) System; Horsepower: 325 hp @ 4000 RPM; Torque: 450 lb. ft @ 2800 RPM
- Allison® automatic transmission, PTS 2300 Series
- Synthetic transmission fluid
- ASME Certified steel fuel tank between frame rails in rear overhang; equivalent to 60 gallon diesel tank
- 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); 5.29 ratio
- 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); 5.29 ratio
- Rear exhaust under bumper
- "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
- Rear exhaust under bumper
- 8.25 x 22.5 Disc, hub-piloted steel wheels
- 11R22.5(G) tires
- System complies with NFPA 58 Liquefied Petroleum Gas Code
- Meets CMVSS 301.1 Fuel System Integrity for Liquefied Petroleum Gas

## 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
- Rear exhaust under bumper

## 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
- Improved vision in loading zone with "Safety View" window and large glass paneled door
- Wraparound dash

## Optional Features

- 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
- Air brake system
- 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

\* Rear air ride suspension requires midmount tail pipe routing  
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