

# ALL AMERICAN® REAR ENGINE



## Technical Specification Highlights

<b>CAPACITY</b>	Multiple floor plans available with passenger seating up to 84	<b>TRANSMISSION</b>	Allison® 2500 PTS
<b>EXTERIOR WIDTH</b>	96"	<b>ENGINE</b>	Cummins® ISB-10, 200-300hp
<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>	19 3/4"	<b>BRAKES</b>	Air brakes 6" Front and 7" Rear
<b>INTERIOR HEADROOM</b>	78"	<b>SUSPENSION</b>	Front - 13,200 lb. 2-leaf parabolic springs; Rear - 19,000 - 21,000 lb. 2-stage leaf springs (rating varies by wheelbase)
<b>OVERALL HEIGHT</b>	124"	<b>STEERING</b>	Tilting/telescoping steering with 18.2 to 1 ratio
<b>WHEELBASE</b>	189" / 217" / 245" / 259"/273"	<b>FRONT AXLE</b>	13,200 lb.
<b>STEP HEIGHT (F/R)</b>	Varies	<b>REAR AXLE</b>	19,000 - 21,000 lb.
<b>OVERHANG</b>	Front: 94.48" Rear: 121.75"	<b>WHEEL CUT</b>	50°
<b>FUEL TANK</b>	60-gallon between the frame rails	<b>GVWR</b>	Up to 36,200 lb.
<b>ENTRANCE DOOR</b>	32" wide x 81" high / double outward opening, air controlled		
<b>REAR WINDOW</b>	55" wide x 22" high		

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# ALL AMERICAN® REAR ENGINE SPECIFICATIONS



## Chassis

- 50,000 psi steel frame rails 9 5/8" high x 3" flanges x 1/4" thick
- Cummins® ISB-10, 200-300 horsepower
- Allison® automatic transmission, 2500 PTS
- Spicer SPL70 with 3 1/2" diameter driveline
- Synthetic transmission fluid
- 60-gal. fuel tank between frame rails
- 240-amp alternator
- 11R22.5 (G) tires
- Large, easy to read gauges
- 13,200 lb. front axle with 2-leaf parabolic spring suspension
- 19,000 lb. rear axle with 2-stage variable rate leaf-spring suspension
- Air brake system
- Anti-lock brakes
- 12" steel front bumper
- Tilting/telescoping steering wheel
- 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
- Black rubber cooling hoses
- Synthetic transmission fluid
- 11R22.5 (G) tires
- Long life driveline
- Rubber molded wheelhouse
- 13,200 lb front axle with 2-leaf parabolic spring suspension
- 19,000 lb. rear axle with a two-stage, rear suspension system (rating varies by wheelbase)
- Rear exit exhaust
- "Huck-Spin" frame fasteners

## Safety

- Improved visibility through 33% larger windshield
- 4-wheel anti-lock brakes
- 14-gauge steel floor panels
- Larger and Lowered Driver's side window
- Larger "Full View" outward-opening electric entrance door
- Suspended brake and accelerator pedals with optimized spacing
- 12" steel front and rear bumper
- Single halogen headlights
- High-back passenger seats
- New steering system allows up to 50° wheel cut
- New exterior mirrors to compliment design

## Strength

- 14-gauge steel, hat shaped posts and roof bows
- 16-gauge channeled interior steel window headers
- Riveted and welded construction
- Four full-length, 16-gauge exterior side rub rails
- 20-gauge exterior side panels
- 22-gauge interior galvalume side panels
- 14-gauge steel floor panels
- 50,000 psi steel chassis frame with permanent fixtures and attached with "Huck Spin" fasteners

## Serviceability

- Wiper motors mounted behind hinged panel for easy access
- Easy access to front headlights
- Dome lights and speakers integrated into wire molding
- Easy access to fluids - hydraulic brake reservoir
- 12" split sash tempered windows
- All lights equipped with plug in connectors
- Body wiring terminal is easily accessible through exterior electrical compartment
- Wiring is color coded and continuously numbered for easy identification
- Fused circuit protection
- Outward opening electric entrance door; features long-lasting, oil-impregnated, bronze pivotal bearings
- Body wiring is encased in "easy to access" PVC molding above passenger windows
- Rear exit exhaust

## Comfort & Convenience

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

## Driver Ergonomics

- Wrap around instrumentation with optimized controls layout
- Tilting/telescoping steering column with multiple settings
- Ignition switch relocated to steering column
- Spacious driver's cockpit
- Pedals with optimized brake and accelerator spacing
- 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

## Optional Features

- Cummins® ISC-10, 260-300 horsepower
- Cummins® ISL-G CNG engine 250 & 280 horsepower
- Allison® 3000 PTS Transmission
- Front and rear air ride suspension
- Electric, remote control and heated mirrors
- Laminated glass
- 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

## Dimensions

Headroom	78"
Width Exterior	96"
Width Interior	90 3/4"
Skirt Length	19 3/4"
Overall Length	406" - 490"
Overall Height	124"
	excluding options
Wheelbase/Passenger Capacity	189" = 66
	217" = 72
	245" = 78
	259" = 84
	273" = 84

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-AARE-0710 © 2010 Blue Bird Corporation

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