

Universal

by Glaval Bus

UP TO 25 PASSENGER SEATING

The UNIVERSAL has become synonymous with reliability, performance and comfort. If dependability is your top priority, the UNIVERSAL is offered on the proven Ford E-Series chassis, available with either the 5.4L or 6.8L gas engine. Up to 25 passengers can travel in solid, quiet comfort with an interior styled to meet your specific application requirements. With many standard features and available options, you can have the rugged durability with Glaval's industry leading 'Steel-Safe' construction at an affordable price!



Unit shown with optional features

MODEL SPECIFICATIONS

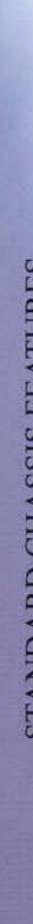
* All Measurements Approximate

| Chassis | Ford E350 | Ford E450 |
|--|--|--|
| Wheelbase | 138" / 158" / 176" | 138" / 158" / 176" 186" / 190" / 208" |
| Overall Length (Bumper to Bumper) | 21' - 24' | 21' - 27' |
| Overall Width | 96" | 96" |
| Overall Height (Excludes Escape Hatch or Roof A/C) | 114" (Add 8" for Raised Floor Option) | 114" (Add 8" for Raised Floor Option) |
| Front Overhang | 34 5/8" | 34 5/8" |
| Interior Height | 78" | 78" |
| Interior Width | 92" | 92" |
| Aisle Width | 18" | 18" |
| Clear Door Opening | 30" | 30" |
| Floor Height from Ground | 28 1/2" (Add 8" for Raised Floor Option) | 28 1/2" (Add 8" for Raised Floor Option) |
| Ground to First Step | 11 1/2" | 11 1/2" |
| Step Riser | 8 1/2" | 8 1/2" |
| Step Tread | 12" | 12" |
| Step Width | 34" | 34" |

STANDARD CHASSIS FEATURES

| | Gas E350 5.4L | Gas E350 6.8L | Gas E450 5.4L | Gas E450 6.8L |
|----------------------------|---|---|---|---|
| Engine | 5.4L V-8 Flex Fuel, Azure Hybrid & VTM Hybrid Capable | 6.8L V-10 CNG Fuel & VTM Hybrid Capable | 5.4L V-8 Flex Fuel, Azure Hybrid & VTM Hybrid Capable | 6.8L V-10 CNG Fuel & VTM Hybrid Capable |
| Power | 255hp; 350lb-ft | 305hp; 420lb-ft | 255hp; 350lb-ft | 305hp; 420lb-ft |
| GVWR | 11,500 | 12,500 | 14,050 | 14,500 |
| Alternator | 225 Amp | 225 Amp | 225 Amp | 225 Amp |
| Fuel System | 40 Gallons | 40 Gallons | 55 Gallons | 55 Gallons |
| Driver's Air Bag | Standard | Standard | Standard | Standard |
| Transmission | 5 Speed Automatic OD w/ Tow/Haul | 5 Speed Automatic OD w/ Tow/Haul | 5 Speed Automatic OD w/ Tow/Haul | 5 Speed Automatic OD w/ Tow/Haul |
| Parking Brake | Foot-Operated, Hand Release | Foot-Operated, Hand Release | Foot-Operated, Hand Release | Foot-Operated, Hand Release |
| Wipers | Intermittent | Intermittent | Intermittent | Intermittent |
| Battery | 1300 CCA Total | 1300 CCA Total | 1300 CCA Total | 1300 CCA Total |
| Cruise Control | Standard | Standard | Standard | Standard |
| Fast Idle | Standard | Standard | Standard | Standard |
| Power Steering | Standard | Standard | Standard | Standard |
| Tilt Steering | Standard | Standard | Standard | Standard |
| Wheels | Six, 8-hole Disc, 16" x 6.0 K Steel | Six, 8-hole Disc, 16" x 6.0 K Steel | Six, 8-hole Disc, 16" x 6.0 K Steel | Six, 8-hole Disc, 16" x 6.0 K Steel |
| Tires | Six, Steel-belted Radial, All Season LT225/75x16E | Six, Steel-belted Radial, All Season LT225/75x16E | Six, Steel-belted Radial, All Season LT225/75x16E | Six, Steel-belted Radial, All Season LT225/75x16E |
| Head lamps | Halogen Aero | Halogen Aero | Halogen Aero | Halogen Aero |
| Horn | Dual Electric | Dual Electric | Dual Electric | Dual Electric |
| Brakes | Front & Rear Disc | Front & Rear Disc | Front & Rear Disc | Front & Rear Disc |
| Anti-Lock | 4-Wheel | 4-Wheel | 4-Wheel | 4-Wheel |
| Stereo | AM/FM/CD w/ 5 Speakers | AM/FM/CD w/ 5 Speakers | AM/FM/CD w/ 5 Speakers | AM/FM/CD w/ 5 Speakers |
| Front Bumper/Grill | Chrome | Chrome | Chrome | Chrome |
| Air | Automotive | Automotive | Automotive | Automotive |
| Rear Stabilizer Bar | Standard | Standard | Standard | Standard |
| Driver's Seat | OEM | OEM | OEM | OEM |
| Exhaust | Rear Routed: Aluminized Steel | Rear Routed: Aluminized Steel | Rear Routed: Aluminized Steel | Rear Routed: Aluminized Steel |

24' - 14 Passengers w/ Rear Lounge + Driver
24' - 21 Passengers + Driver
25' - Rear Lift, 16 Passengers + Driver
25' - 22 Passengers + Driver + Co-Pilot
25' - 25 Passengers + Driver
27' - 25 Passengers + Driver



STANDARD CONVERSION FEATURES

"Steel-Safe" Constructed Floor, Roof and Sidewalls
Galvanized Steel Floor Frame
Galvanized Steel Stepwell
Galvanized, All Structure
5/8" Treated Marine Grade Plywood Flooring
Gray Koroseal Commercial Flooring w/ Ribbed Aisle Cove Molding
Vacuum Laminated Construction, Side and Rear Fiberglass Front Cap & 5-Piece ABS Rear Cap
Fiberglass Composite Roof
T-Slide Windows
Full View Curb Window
Electric Panel w/ Diagnostic Fuses
LED Stepwell Lights
Vinyl Clad Luan Ceiling & Interior Sidewalls
Track Seating
Curb side Entrance-Modesty Panel & Stanchion
Rear Center Brake Light (Incandescent)
Rear Mud Flaps
Steel Rear Bumper (Powder Coated)
Window Drip Rails
Exterior Rub Rails
White Exterior
Foamed In-Place Roof Insulation
Front End Alignment (Toe-In, Toe Out)
Under-Coating with Warranty
Manual Door 30" (except on Dual Door Chassis)
Side Mounted Rear View Mirrors (Manual)

Paratransit Options

- Includes a single door, lift, park interlock, ADA Sign, Door Activated Lift and Entrance Lighting, Rear Exhaust (Rear or Roadside Exhaust required for Rear Lift)
- Chassis Options
 - Stainless steel snap on wheel covers
 - Teima Retarder
 - VTM Hybrid Assist System
 - Granning Rear Air Ride Suspension
 - Kelderman Rear Air Ride Suspension
 - Azure Hybrid System
 - CNG option
 - MorRyde Suspension



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ISO 9001:2008 certified



Dual Door Cab with Co-Pilot Seat



5 YEAR/100,000 MILE LIMITED WARRANTY
SPECIFICATIONS AND OPTIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE