A low floor transit bus built on an ARBOC Specialty Vehicles, LLC chassis, the Spirit of Equess easily accommodates up to 33 passengers and six wheelchair passengers. This bus displays true Equal Access for Everyone® with no steps throughout! ARBOC’s advanced technology exceeds ADA guidelines with a 1:8 ramp slope and a 39” entrance door opening for passengers in need of extra assistance and wheelchair accessibility. Backed by a Cummins engine and an Allison transmission, the Spirit of Equess offers superior serviceability and reliability!
Spirit of EQUOSS by ARBOC

**Chassis Specifications**

- Chassis - ARBOC Specialty Vehicles, LLC with GVWR 28,530
- GVWR Front Axle - 9,880
- GVWR Rear Axle - 18,650
- Engine - Cummins ISB 6.7L Diesel/6.7G CNG
- Engine Horse Power - 220 @ 2400 RPM
- Top Vehicle Speed - 70 MPH
- Torque - 520 ft. lbs. @ 1600 RPM
- Estimated Curb Weight - 19,250
- Axle Ratio - 5.78:1
- Transmission - Allison B220 Heavy Duty 6-Speed Automatic
- Transmission Shifter - Electronic 6-Speed
- Transmission Cooler - Rcore 5-7053D
- ZF Front Axle with Air Ride Independent Front Suspension
- ZF Rear Portal Axle with 4 Air Springs
- Air Park Brake - Axle Mounted Spring Setting
- Front Kneeling Air Spring Suspension w/ Mechanical Height Control
- WABCO Engine Driven Twin Piston Air Compressor
- VGT Turbo Braking (Diesel Model Only)
- Bendix AD-IS Air Dryer
- Wheels 19.5” x 6.5”, 8 Lug
- Tires - 245/70R 19.5
- Front Air Brakes/Disc - Knorr-Bremse/Bendix Type 14
- Rear Air Brakes/Disc - Knorr-Bremse/Bendix 16/24
- Fuel Tank - 70 Gal (265 Liters) Diesel or 77 DGE Natural Gas
- Curbside & Roadside Fuel Fills STD
- Radiator Fan Speed Control Type - Electric PWM
- Overheat Alarm Temp Setting - 225 Degrees
- In-Line Circulation Pumps
- Oil Filter - Full Flow/Disposable Type
- Air Cleaner - Heavy Duty Cartridge Type
- Front and Rear Mud Flaps
- Steel Front & Rear Bumper Painted Black
- Exhaust Location - Streetside Roof
- Daytime Running Lights
- Horn/Dual Note Tone
- Cruise Control
- Rear Tow Hooks

**Base Models**

- SOE 27” - 161” WB
- SOE 29” - 191” WB
- SOE 34” - 254” WB

**Exterior Body & Lights**

- Black Rubber Rear Wheel Well Flares
- One Piece Exterior FRP Wall/Skirt
- Exterior Lights-LED (Incl. Std. Rear Center Mount Brake Light

**Construction**

- All Tubular Steel Cage Construction
- Bolt & Bonded Construction
- Full Laminated Body
- 5/8” Wood Floor
- Body Width: 100” w/o Mirrors or 121.5” w/ Mirrors
- Body Height: 102” (does not include roof hatch or AC)
- Interior Width - 97”/2.46 M
- Interior Height (Front to Rear) - 84”/2.13 M
- Entrance Step Height @ Ride Height - 13”/330MM
- Entrance Step Height When Kneeling - 10”/254MM
- Seating Capacity: Up to 33 Passengers
- Wheel Chair Capacity: up to 6
- Altoona Tested - 10 years/350,000 Miles
- Meets All Applicable FMVSS Regulations

**Electrical**

- 12-Volt Multiplex Electrical System
- Alternator - Leece Neville 320 amp
- Kneel Switch
- Interior Passenger Lights “ON” w/ Door
- Master Battery Disconnect Switch
- Battery Box w/ Slideout Tray (Roadside Rear)
- Power Port 12-Volt

**Interior**

- Driver’s Seat - USSC G2E (RH Armrest)
- Driver’s HVAC
- Left Hand & Right Hand Stanchions - Stainless Steel
- Entry Assist Handles - Stainless Steel
- Door Header Access Panel

**Windows & Doors**

- Solid Framed Windows
- Electric Outward 35” Wide Clear Opening Entrance w/ Handles

**Specifications**

- 27’, 9+12 Passenger, 4 w/c
- 29’, 17+6 Passenger, 2 w/c
- 34’, 9+24 Passenger, 6 w/c