

Spirit of EQUESS

ARBOC Specialty Vehicles®
A NEW FLYER OF AMERICA COMPANY



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 superior wheelchair accessibility. Backed by a Cummins engine and an Allison transmission, the Spirit of Equess offers exceptional serviceability and reliability!

EQUAL ACCESS for
Everyone

For more information contact us at:
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Spirit of EQUESTRESS by ARBOC

CHASSIS SPECIFICATIONS

- Chassis - ARBOC Specialty Vehicles, LLC with GVWR 28,530 lbs
- 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 - 4.50:1
- Transmission - Allison B220 Heavy Duty 6-Speed Automatic
- Transmission Shifter - Electronic 6-Speed
- Transmission Cooler - Rocore 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' - 156" 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

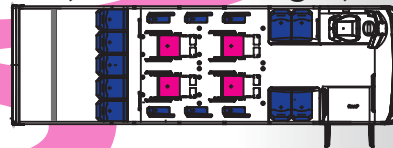
INTERIOR

- 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

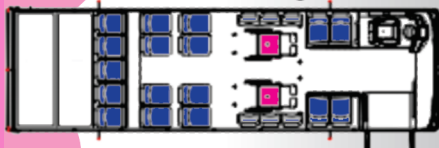
WINDOWS & DOORS

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

27', 9+12 Passenger, 4 w/c



29', 17+6 Passenger, 2 w/c



34', 9+24 Passenger, 6 w/c

