

Bid Specifications 2026 Type C 18 Passenger +3 Wheelchair Lift Diesel School Buses

Chassis to be new Type C model as described in these specifications. Minimum specifications are listed below, and each bidder must state the compliance details that pertain to the unit indicating size, quality, range and information as necessary to determine unit quality. Bidder's specifications must meet or exceed the minimum specifications listed and must detail any variance or deviations from specification. Any spaces that ask for a specific detail, type of component, or other pertinent information regarding the specification must be filled in to be considered a responsive bid. **All chassis and body specifications shall meet or exceed those specifications as set forth by the Federal Department of Transportation, Federal Motor Vehicle Safety Standards, and the Kansas Minimum Standards for School Buses (or as may be in effect) at time of manufacture.**

These specifications must be filled out and returned with bid to be considered. Marking YES means you meet Specifications exactly. Marking NO means you must fill out an Variance From Specification comment to the right of the YES/NO checkboxes. Failure to do so will result in bid being disqualified.

**NEW 2026 42-PASSENGER WHEELCHAIR
CONVENTIONAL SCHOOL BUS CHASSIS AND BODY
SPECIFICATIONS**

| | | |
|------------|-----------|------------------------------------|
| YES | NO | VARIANCE FROM SPECIFICATION |
|------------|-----------|------------------------------------|

Chassis: New 2026 Model chassis for 18 passenger capacity +3 wheel chair school bus body

Wheel base: 193" minimum required axle to axle centers for type of bus bid.

Frame Rails: high strength, low alloy steel, 50,000 PSI

Bumper, Front: Front bumper shall be full width and must extend to outer edge of fenders; must be 1/4" thickness.

Bumper, Rear: To Be Die Formed 3/16" Steel, Minimum 12" Face With 12" Wrap Around

Frame Members, Attachment, & Supports: all frame members, attachments and supports shall be attached using minimum Grade 8 bolts and/or fasteners. Use of huck style fasteners are not acceptable.

Chassis Frame Rails and some Attachments: Powder-coated black finish for maximum rust and corrosion protection

Axle, Front: 8,000 lb. capacity with oil-lubricated wheel seals/hubs, with front shock absorbers

Suspension, Front: 8,000 lb. taper leaf design with rubber bushings, and shock absorbers.

Axle, Rear: Single Reduction, 17,500 lb. capacity. Shall include a magnetic drain plug.

Rear suspension: 18,500 lb. Capacity, with heavy-duty shock absorbers and vari-rate spring suspension

Steering: Power assist type steering gear

Steering Shaft: U-Joints shall be serviceable with grease fittings.

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | YES | NO | VARIANCE FROM SPECIFICATION |
|---|-------|-------|-----------------------------|
| Electronic Diagnostics System: the bus shall be equipped with an on board dash LCD diagnostic display which can display fault codes for engine and chassis that can be read without the use of a computer device attached. | _____ | _____ | _____ |
| Air Cleaner: Bus shall be equipped with screen integrated with the hood air intake to remove moisture and large debris. | _____ | _____ | _____ |
| Air Cleaner Filter: the filter shall be removable and shall include an air restriction indicator | _____ | _____ | _____ |
| Engine coolant: Shall be extended life coolant and pre-set to minimum of - 34°F. | _____ | _____ | _____ |
| Throttle and Cruise Control: Engine electronics to include electronic throttle and cruise control. | _____ | _____ | _____ |
| Engine Alarm System: Bus shall be equipped with both visual and audible alarms notifying the driver in the event of low oil pressure or high water temperature. | _____ | _____ | _____ |
| Fast idle switch: electric | _____ | _____ | _____ |
| Low Voltage Protection Indicator: Bus shall be equipped with both visual and audible alarms notifying the driver of a low voltage occurrence. | _____ | _____ | _____ |
| Headlights: Replaceable halogen bulb without the use of tools for increased light output with Lexan cover for durability and safety. | _____ | _____ | _____ |
| Daytime Running Lights: Headlight operation controlled by ignition switch. System to be capable of being deactivated by applying the parking brake except when the red warning lights are active. | _____ | _____ | _____ |
| Full Instrumentation: Voltmeter, Oil and Temperature Gauges, Speedometer, Trip Odometer, Tachometer, Fuel Gauge, DEF Gauge. Additionally, the instrument panel shall be illuminated and include text light indicators monitoring both the amber and red warning light activations, emergency exit door opening, low coolant level and cruise control activation. | _____ | _____ | _____ |
| Horns: Dual electric horns. | _____ | _____ | _____ |
| BRAKE SYSTEM | | | |
| Brake System: Chassis shall be equipped with Meritor/Wabco Hydro-Max Hydraulic Brake System with 4 channel Anti-lock Brakes | _____ | _____ | _____ |
| Parking Brake: chassis shall be equipped with Driver Foot Operated Parking Brake with Push to Apply/Release operability. | _____ | _____ | _____ |

| YES | NO | VARIANCE FROM SPECIFICATION |
|-----|----|-----------------------------|
|-----|----|-----------------------------|

Parking Brake Location: The Bosch parking brake unit shall be located on the front of the rear differential, which provides for a stronger mounting point than transmission tail-shaft units and also provides for park brake function even if the drive-line is removed for service issues

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

Safety Release: Ignition Key Must Be in the "ON" position to Release Parking Brake to Prevent Bus Rollaway. Service brake pedal must be "depressed" to release parking brake to prevent bus rollaway. **Safety Item**

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

Park Brake Warning: Parking brake must be "SET" before turning ignition "OFF", visual and audible warning alarm shall sound if the driver forgets to set the parking brake before turning vehicle "off" **Safety Item**

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

FUEL

Fuel Tank: 65 gallon steel diesel tank mounted between-the-rails, with protective skid plate

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

Low Fuel Level Indicator: Bus shall be equipped with a visual alarm light notifying the driver in the event of low fuel level.

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

Heat Shields: heat shields shall be located between any part of the fuel system that is 12" or closer to any part of the exhaust system

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

Fuel filler door: to be equipped with a non-locking latch (not just spring loaded to hold it closed)

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

WHEELS AND TIRES

Wheels: 8.25" x 22.5" steel disc, hub piloted, 10 Stud, painted high gloss black

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

Tires: 245/70/R19.5 14-ply tires. Mud and Snow Drive rear, steer front

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

MISCELLANEOUS

Hood: Hood fiberglass 3 piece design for low cost repairs.

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

Hood Wire Harness Assembly: headlight and turn signal wiring harness shall have a quick disconnect connector at, or near, the bumper.

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

Road speed governor: Electronic with **70mph maximum**. Bus shall be able to obtain maximum speed stated.

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

Windshield wipers: 5-speed intermittent electric

| | | |
|-------|-------|-------|
| _____ | _____ | _____ |
|-------|-------|-------|

| YES | NO | VARIANCE FROM SPECIFICATION |
|-----|----|-----------------------------|
|-----|----|-----------------------------|

WARRANTIES

(Bidders must provide a copy of warranty certificates for covered components with the bid detailing all warranty coverages)

Transmission: 7 yrs/Unlimited miles

Engine: 5 yrs/100,000 miles minimum

Include warranty provided with bid

Body and Chassis: 3 Year 50,000 Miles Body/Chassis
Warranty

Include warranty provided with bid

| YES | NO | VARIANCE FROM SPECIFICATION |
|-----|----|-----------------------------|
|-----|----|-----------------------------|

BUS BODY SPECIFICATIONS

Capacity: 18 passengers + 3 Wheel Chair or 24 Passengers + 3 Wheelchairs or 30 Passengers + 1 wheel chairs. Bus Shall have maximum capacity rating tag as if all wheelchair positions are covered in seats.

Body / Chassis Integration: The bus body and chassis shall be assembled in one complete process . To eliminate exposure to exterior elements the chassis shall be built at the same time as the body and the body immediately mounted onto the chassis. Chassis shipped from a separate assembly plant to the body plant are not acceptable. **No Exceptions!**

Headroom: Minimum 78" measured at the center of the aisle with 12" window sashes.

Stepwell: Three-step design with a minimum 31" clear opening. For increased passenger access, the stepwell shall remain its full width with no taper from the bottom step to the top step. Step front entrance door 27 1/4 depth; 14-gauge steel, formed treads, coated stepwell, or similar polyurea coating applied for superior corrosion resistance. Must include white safety edge (nosing) for each entrance step.

Exterior Paint: Baked-on polyurethane National School Bus Chrome yellow paint on exterior, with black guard rails, bumpers, and state required warning light backgrounds. Window pilasters may be yellow or black. **Roof to be painted white.**

Undercoating: Two - stage process to include complete undercoating of the bus body prior to mounting the body on the chassis for complete body coverage. After body mounting a second undercoat shall be applied for maximum corrosion and rust protection.

Floor Covering: One-piece black, seamless with ribbed center aisle having no aisle trim.

Flat Floor: Floor shall be flat and level front to back with no protrusions for wheel covers. **No Exceptions!**

Body Side Panels: the side panels shall be constructed of a minimum 16 - gauge steel with a smooth panel appearance. **No Exceptions!**

Upholstery: Grey, fire-block on all passenger seats, barriers, and header bumpers

| YES | NO | VARIANCE FROM SPECIFICATION |
|-----|----|-----------------------------|
|-----|----|-----------------------------|

Insulation, thermal & noise: Minimum of 1.5" fiberglass insulation located in roof, sides, and end caps. Driver area floor and firewall noise insulation package.

Headliner: Ceiling panels are to be perforated with sound insulation, full length of bus and secured using rivets.

Stairwell Assist Rail: Both forward (RH) and aft (LH) of the entrance door. Dual height handrails in entrance stepwell, including lower handrail at 24" height in 1" diameter and upper handrail at 34" height and 1-1/4" diameter.

Rear Door Hinges: Rear Emergency Door to have Internal Hinges With Greasable Fittings – **Exterior Piano Style Hinges Will Not Be Accepted**

Rub Rails: (4) including snow rail: All rub rails shall be painted high-gloss black, and shall be finished on all ends with a metal end cap. Top Of Each Rub Rail To Be Sealed With Caulk And Bottom To Have Drain Holes

Cowl Steps: Two, fold down.

Sub-floor: 5/8" marine grade plywood sealed on edges

Front and rear doors: to have 4" padded header over the doors

Driver Seat: Driver Seat To Be A National 2000 Seat With Gray Cloth Inserts and Arm Resst on Left and Right Side

Driver seat belt: Orange, 3-point DOT shoulder belt with extended length

Driver storage area: Water resistant driver compartment, large enough to fit a 3 ring binder, including USB A and USB C charging ports.

Driver overhead storage area: 39x10x10 Storage Compartment Located Above Driver Window area with Non-locking Latches and Padding Hinge Spring Lock Type 49MZU - LED Dome Light

Passenger seats: to be 36" high back. First 2 rows of seats to be floor mounted with (2)- 3 point lap/shoulder seatbelts and (2)- Integrated Child Restraint Systems. Remaining seats on Q-Straint flanged L-Track recessed into floor, including seats with (2)- 3 point lap/shoulder seatbelts and (2)- Integrated Child Restraint Systems to be mounted over wheelchair spaces. Q-Straint L-Track shoulder belt securement tracks to match all installed floor tracks. Seats to be mounted on standard centers.

Passenger Barriers: DOT approved fully padded "Fire Block" upholstered to match seats

Seat covers: to have a minimum 2-year warranty from manufacturers defects.

Modesty panels: to be installed between floor and the bottom of both left and right side barriers.

| Lighting | YES | NO | VARIANCE FROM SPECIFICATION |
|--|-------|-------|-----------------------------|
| <i>(all exterior lighting to be LED unless otherwise noted)</i> | | | |
| Tail lights: to meet state specifications | _____ | _____ | _____ |
| Stop/tail lights: (2) 7" LED | _____ | _____ | _____ |
| Turn signals, front mounted: (2) incandescent in headlight assemblies | _____ | _____ | _____ |
| Turn signals, side mounted: shall be LED, armor protected, and mounted per state specifications | _____ | _____ | _____ |
| Master cut-off: Ignition operated master cut-off switch, all body circuits. | _____ | _____ | _____ |
| 8-way lights: Stobing LED, with weather hoods, switch shall be operated without driver removing hands from the steering wheel. Steering wheel switches must be backlit for superior driver experience and ease of identification. | _____ | _____ | _____ |
| Stop arm: electrically-operated stop arm with strobing LED lights wired for automatic operation with entrance door. | _____ | _____ | _____ |
| Back-up lights: (2) 7" Clear, LED | _____ | _____ | _____ |
| Step well light: LED operated by door opener | _____ | _____ | _____ |
| License plate light - White LED | _____ | _____ | _____ |
| Dome lights: Two rows of recessed dome lights - LED | _____ | _____ | _____ |
| Driver's dome light: on separate switch. LED | _____ | _____ | _____ |
| Rear Activity Dome light: Single, on separate switch | _____ | _____ | _____ |
| Strobe light: Roof mounted, Low Profile White, LED dual-flash strobe light. Switch located in switch panel. | _____ | _____ | _____ |
| Back-up alarm: 112db | _____ | _____ | _____ |
| Fire extinguisher: 5-lb, with hose, mounted near entrance door | _____ | _____ | _____ |
| Body fluid clean up kit: mounted on front header. | _____ | _____ | _____ |
| First aid kit: mounted near entrance door | _____ | _____ | _____ |
| Emergency triangular warning kit: mounted on drivers barrier level with top of modesty panel | _____ | _____ | _____ |
| 3M "Flourescent" Diamond Grade Reflective Tape: extending down both sides, on rear both vertically and horizontally and "SCHOOL BUS" lettering on front and rear. | _____ | _____ | _____ |
| Reflectors: All Amber and Red Reflectors On The Front, Side and Rear to be 3M "Fluorescent" Highly Reflective Tape – Screw On Reflectors – "NOT ACCEPTABLE" | _____ | _____ | _____ |
| Seat Belt Cutters: Minimum of 2 seat belt cutters required. | _____ | _____ | _____ |
| Lettering: 6" belt line lettering per Kansas state minimum specifications. District numbering shall be in four locations, to be determined. | _____ | _____ | _____ |
| Inspection: Provide Mechanic Inspection on KSDE Applicable Forms. Must provide Mechanic's Qualification letter to accompany all paperwork. | _____ | _____ | _____ |

| Additional Equipment: | YES | NO | VARIANCE FROM SPECIFICATION |
|--|-------|-------|-----------------------------|
| Certificate holder: (2) 9 3/8" X 6" with transparent covers | _____ | _____ | _____ |
| Engine Ignition: All Ignitions shall be keyed alike | _____ | _____ | _____ |
| Radio/PA: AM/FM/-MPLX Stereo with antenna and cables with interior PA and 8 speakers | _____ | _____ | _____ |
| Emergency Evacuation Device: 1 Emergency Evacuation Device that can be used as a Stretcher, Drag Blanket and As An Emergency Evacuation Slide at Rear Door Shall be provided. It shall be Constructed of Heavy Fire Resistant Material with at least a 300lb load rating. | _____ | _____ | _____ |
| Wheelchair lift: BRAUN NL919FIB Wheelchair Lift, ADA Compliant. Mounted Aft of the Rear Axle. Shall have minimum rating of 800-lb capacity. | _____ | _____ | _____ |
| Wheelchair Securement Straps: Three (3) sets of Q-Straint QRT MAX automatic self-locking, self-tensioning retractable wheelchair securements for 4-point floor and shoulder belt applications. Securement belt sets shall have appropriate hardware to fit to L-Tracks on floor and above windows. Storage bag for restraints to be mounted in rear of bus near each wheelchair position. | _____ | _____ | _____ |
| Lift Interlock: FMVSS Wheel Chair interlock Requirement; With Key In "ON Position, Park Brake Must Be Applied, Transmission in Park, Lift Door Must Be Opened Before Lift Can be Activated. <u>Transmission Must Have Park Pawl.</u> <u>No Exceptions!</u> | _____ | _____ | _____ |
| Air Conditioning: Original factory installed 60,000 BTU Driver Dash area and Rear bulkhead mounted Air Conditioning system. | _____ | _____ | _____ |
| Post Trip Child Check System: The bus to be equipped with a Child-Chek system, or equivalent, that is activated by the driver activating the red warning lights and opening the entrance door while on route. The system shall be designed so as to require the driver to walk to the back of the passenger compartment upon completion of their route to disarm. If not disarmed, the headlights will flash and the horn will sound alerting personnel the bus was not checked to ensure all students have exited the bus. | _____ | _____ | _____ |