

	Sumner County Schools 84 passenger Transit Bus Front Engine School Bus Specifications			
	Quantity: 12			
Notes to Bidder:	1. Bidder must have a fully licensed in-state sales and service facility. State Dealer License # is _____			
	2. Salesman's dealer license # is _____			
	4. You must return a copy of these specs with your bid response noting all exceptions and deviations.			
	5. Factory direct deliveries are not acceptable, product must have a pre-delivery inspection at in-state facility.			
	6. Please state earliest delivery date:			
<i>Equipment</i>	<i>Description</i>	<i>YES</i>	<i>NO</i>	<i>List Exception</i>
Bus Type	D			
TN Specifications	Must meet all state and federal school bus requirements			
Engine location	Front			
Year Model	New model 2022 or newer			
Seating Capacity	84			
Delivery	1500 Airport Rd, Gallatin, TN 37066			
Manuals	Include owners manual			
Service Training	Provide a minimum of 12 hours product service training at no charge for body and chassis components @ SCS			
Warranty-Body	Specify Warranty			
<u>CHASSIS</u>	<u>CHASSIS</u>			
Axle Ratio	5.29 or 65mph road speed			
Air Compressor	18.7 CFM, minimum			
Air dryer	Merator Wabco SS 1200 - parts # 5400850-7010 or equivalent			
Air tanks	4,500 cubic inch capacity, Bendix DV-2 with Heater			
Alternator	200 or more amp, Delco or Leece Neville			
Axle , front	13,200 lbs. minimum with oil bath with synthetic lube			
Axle, rear	23,000 minimum lbs. with synthetic lube			
Batteries	3 - 1950 CCA 31 series			
Battery Emgcy Disconnect	Factory Installed in Battery Department			

Block Heater	750 watt with bumper mounted recepticle		
Brakes	Outboard drum type w/ auto slack adjusters		
Brakes	ABS with diagnostic light in dash		
Brakes, front	16.5" x 6" minimum		
Brakes, rear	16.5" X 8- 5/8" minimum		
Bumper 3/16" steel, front	12" with crossing control arm and stowage bracket		
Bumper 3/16" steel, rear	Concave design		
Cooling system	Radiator to have 745 or greater square inches		
Driveline	Guards around each shaft		
Engine Rating	220 HP. Minimum		
Engine Type	Inline 6 cylinder diesel, Cummins ISB, no exceptions		
Exhaust	Below rear bumper with exhaust mitigator		
Frame	50,000 lbs. psi with rear mounted tow hooks		
Fuel filter	Fuel Water Separartor/ Cartridge type at the engine		
Fuel / Water separator	Davco 382-C with heater or compatible product		
Fuel Tank	60 gal. between frame rails, fuel door with thumb latch		
Fuel Tank	Include fuel fill door & sender access plate at interior floor		
High/low Idle Throttle	Electronic		
Instruments	Speedometer, Voltmeter, Oil pressure, Dual air gauges		
Instruments	Transmission temperature gauge, fast idle switch		
Instruments	Air filter restriction indicator, cruise control		
Shocks	Front and rear		
Springs, front	3 leaf parabolic front springs comenserate with GVWR		
Suspension	Comfort trac 52" or Hendrickson rear springs with 20,000 lbs. or greater rating		
Starting aid	Grid heater		
Steering wheel	Tilt and telescopic steering column		
Tires	Seven (7) 11R22.5 16 ply, Michelin, mounted spare		
Tow hooks	Front and rear mounted		
Transmission	Allison 2500 Series 5 speed, transynd fluid & fuel sense		
Wheel Base	231" or greater		
Wheels	Disc hub piloted, 22.5 X 8.25 powder coated black		
Wiring	Coded-full multiplex body and chassis or Integrated Multiplex		
Warranty-Engine/Trans	5 year or greater engine and transmission warranties		

BODY	BODY			
Access Panels	Located above windshield and driver, access without tools			
Child Reminder	Passenger advisory system (not in side panel) CRS brand			
Crossarm	Electric Operated polycarbonate crossarm			
Defroster fans	Dual 6" dash mounted fans			
Door, emergency	upper & lower tinted glass with vandaloack			
Door, entrance	Three position air outward opening with vandaloack			
Directional Front	LED Lights in Turn Signal			
Driver Arm Rests	Dual folding or right folding and left console			
Driver Cupholder	Driver cupholder mounted at factory			
Emergency exits	4 - push out windows w/ buzzers			
Emergency exits	2 - roof hatches, Specialty Pro Lo 9000 or Spheros equivalent			
Flooring	Black floor covering and Koroseal pebble entrance steps			
Flooring	1/2" or greater plywood with metal aisle trim			
Flooring	Rubber over wheelhousings			
Header Storage	Safety Compartment in front header or over windshield AND over driver window			
Headroom	77 inches, minimum			
Headlining	Acoustic headlining full length of bus			
Heaters	190,000 BTU front & rear combination w/ removable filter			
Heaters	Booster pump and stepwell heater 30,000 BTU's min. or integrated vents w/ front heater and defrost			
Heaters	Dash mounted water regulator valve			
Heaters	Driver heater mounted on floor behind driver seat			
Heaters	Dual heater cut off valves			
Horn	Air Horn, mounted above driver window, dual note and pull chain type preferred or momentary switch			
Identification	6" Black letters, both sides/ 6" numbers-four sides			
Identification	3/4" x 3" yellow right side rear bumper showing year model			
Insulation	Insulation in roof, front, rear, and side walls. R value = 6.0			
Insulation	1/2" sound absorbing foam installed under driver toeboard			
Lights	LED Dome lights to have dual rows with driver dome light			
Lights	LED headlights with daytime runing light feature			
Lights	Warning lights to be LED with sun visor			
Lights	Stepwell, marker, stop, tail directional, reverse, side lights to be LED			

Lights	Headlights (wig-wag) when red lights are activated		
Mirrors	Interior - 10" X 30" non-glare with visor, heated crossview		
Mirrors	Roscoe accustyle-remote & heated with 15 minute timer		
Mud Flaps	Front and Rear		
Paint	Yellow body with white roof, black rub rails and pilasters		
Parts Report	Copy of complete Bus Parts printout "on-line" no charge		
Reflective Tape	"SCHOOL BUS" front and rear caps to be reflective		
Reflective Tape	Side pushout windows and 2" rear of bus, 2" sides		
Reflectors	To be mechanically attached		
Roof Bows	One piece		
Rub rails	Provide four rubrails, painted black		
Radio	AM/FM/CD/Page/ 6 int. speakers, 1 exterior speaker		
Radio Speakers	8 Coaxial Speakers TBB-152991 or equivalent		
Safety	Fire Ext, Body Fluid kit, Flares, First Aid Kit, Seat Belt Cutter		
Safety Compartment	FE, FAK, BFK to be mounted in bulk head compartment		
Seat Frames	Frames to be powder coated, black		
Seat Space	25" minimum knee space, include seat plan drawing		
Seat Barriers	Blue fire block, kick panel-right side, storage pouch-left side		
Seats / Driver	Air ride, pedestal cover, 2 shocks, fabric insert, driver's seat pouch attached to seatback		
Seats / Driver	Lap/shoulder belt (orange) with warning indicator, adjustable back		
Seats / Passenger	39" DOT fire block blue upholstery		
Side Panels	Interior - Aluminized steel side walls		
Solenoid	Disconnect all body circuits, 100 amp minimum		
Strobe	Roof mounted Specialty 515-400 with guard or equal, "wired to key"		
Stop arm	Transpec 2000 Electric Operated , spells "stop"		
Storage	Clipboard Holder, metal or plastic type, see Director for specific mounting location		
Vents	2 - driver's fresh air & static roof vent		
Windows, Passenger	Black frames with 12" openings, tinted glass		
Windows Driver	Double sliding, aluminum sash, tempered		
Windshield	One piece or two piece tinted, bonded in place, tinted band across top		
Windshield	2 grip handles beside windshield and cowl steps		
Wipers	Intermittent feature on turn signal lever		
Wiring	Color & number coded		

Radio-Two way	Kenwood NX-5800-SCPKG-25 Phase I & Phase II, CommTech @ 615-889-4756		
Customer Fuse block	Allows electrical access without using multiplex wiring		
Backing Alarm	112 db required		
Document Holder	To meet State specs		
Switch	Noise suppression switch to be provided		
Lettering	"Sumner County Schools" #'s supplied to successful bidder		
Grille	Chrome or yellow grille, hood intake plenum, and headlight bezels		
Camera system	SafetyVision- contact rep. - Frank Bowden @ 713.929.1086- See attachment		
Camera system	Prior to installation, Transportation Director or designee will visit dealer to mark location of installation		
Camera GPS antenna	Please see attachment - Safety Vision		
Fenders	Rubber or metal fenders around rear wheel opening		
GPS UNITS	To be installed at Sumner County Bus Garage by Davis Electronics 615-666-2450		
GPS UNITS	The selling bus dealer will be responsible for all labor costs to install customer owned GPS units on new buses		
GPS UNITS	GPS to be supplied by Sumner County Schools		
Trash Can	Trash Can mounted - see Transportation Director for specifics		
Keys	All units to have common key		
Battery Box	Shall be frame mounted with battery cut off switch in box		
Under Carriage Storage	23.3 cubic ft. on driver's side and 27.2 cubic ft. on passenger side or equivalent		
Lights	All lights to be LED type		
Seat Numbers	Seats to be numbered, see Transportation Director for location of numbers		
Radio-two way model	Kenwood NX-5800K-SCPKG-25 Phase I and Phase II and all accessories Contact @ 615-889-4756 for installation and price		