

**TRA 25-01 - Supply and Delivery of School Buses - Quote Form - Bus Unit Price: Type C Electric**

	BYD Canada Company Ltd	Dynamic Specialty Vehicles Ltd.	Velocity Truck Centres	Western Canada IC Bus Inc.
	Submission 1	Submission 1	Submission 1	Submission 1
Line Item	Bus Description	Unit Price	Unit Price	Unit Price
1	76 passenger Type C Electric. All units and components must meet Federal and Provincial regulations and requirements and current D250.	\$516,000.00	\$499,907.00	\$558,815.00
2	70 passenger Type C Electric. All units and components must meet Federal and Provincial regulations and requirements and current D250.	\$514,000.00	\$499,242.00	\$553,188.00

**TRA 25-01 - Supply and Delivery of School Buses - Quote Form - Option Pricing: Type C Electric**

Line Item	Optional Pricing	BYD Canada Company Ltd			Dynamic Specialty Vehicles Ltd.			Velocity Truck Centres			Western Canada IC Bus Inc.		
		Charge Type	Unit Price	Additional Information	Charge Type	Unit Price	Additional Information	Charge Type	Unit Price	Additional Information	Charge Type	Unit Price	Additional Information
1	One (1) additional spare tire mounted	Additional		Spare tire is available at additional cost. Price may vary based on brand and model.	Additional	\$1,076.00	shipped loose	Additional	\$1,750.00	Shipped Loose	Additional	\$980.00	
2	Air horn roof mounted	Additional		Air Horn is available at additional cost.	Additional	\$256.00		Additional	\$200.00	Can be mounted on chassis as well			Not Available
3	Pre-wiring for 2-way radio and antenna power and ground thru noise suppression switch.	Additional	\$1,000.00	Pre-Wire only	Additional	\$56.00	additional	Additional	\$252.00	Additional	Additional	\$225.00	*
4	Driver's storage compartment overhead left side	No Charge		Included with Standard configuration	Additional	\$398.00		No Charge		Included			Additional \$300.00
5	Driver's clipboard storage accessible from drivers seat	No Charge		Included with Standard configuration	Additional	\$28.00		Not Available					No Charge
6	Traction control through ABS	No Charge		Included with Standard configuration	No Charge			Not Available		Equipped with Wabco 4S/4M ABS Hill Start Aid			No Charge
7	Limited Slip Rear Axle	Not Available			Not Available			Not Available					Not Available
8	Driver controlled differential lock	Not Available			Not Available			Additional	\$900.00				Not Available
9	Automatic Greasers Minimum 12 grease points	Not Available			Additional	\$3,965.00		Additional		Custom configurations will be coordinated and priced with customer upon finalizing purchases			Not Available
10	Recommended Level 2 charging system for your bus	No Charge		All AC Level 2 charging system that complied with AC-J1772 standard are compatible	Additional	\$5,000.00	many viable systems including InCharge Nuvve and Polara all with different options and price points starting at 5000	Additional		25kW charger recommended			Not Available
11	Recommended Level 3 charging system for your bus	No Charge		All DC fast chargers Level 3 with SAE Combo CCS 1 (Combo Charging System) are compatible	Additional	\$35,000.00	many viable systems including InCharge Nuvve and Polara all with different options and price points starting at 35000	Additional		Various chargers available upon purchase TBB Infrastructure team can do an assessment to confirm what charging options would be best for the districts	Additional	\$10,900.00	Limited Quantities Available - ABB24KW Wallbox In Stock
12	Acoustic ceiling panels throughout	No Charge		Included with Standard configuration	Additional	\$1,297.00		Additional	\$860.00				No Charge
13	10R22.5 Tires instead of base 11R22.5	Not Available			No Charge			No Charge					Not Available
14	Interior mirror - 10" x 30" Mirror adjustable no windshield obstruction	No Charge		Included with Standard configuration	Additional	\$35.00		Not Available					Additional \$60.00
15	Interior-Exterior intercom	Not Available			Additional	\$65.00		Additional	\$150.00				Additional \$125.00
16	Emergency roof hatch vent with exhaust fan	Not Available			Additional	\$1,187.00		Additional	\$275.00	Price per vent			Additional \$225.00
17	Tinted Windows throughout	No Charge		Included with Standard configuration	No Charge			No Charge		Included			No Charge
18	Laptop and connectors with applicable programming and software including training for each style of bus purchased. ABS software.	Not Available			Additional	\$3,000.00		Additional	\$6,000.00	Includes the following: 1 - laptop 1 - Wireless connector kit 1 year subscription to Diagnostic Link 1 year subscription to Cummins Insite Lite 1 year subscription to Wabco Tool Box Plus (ABS)			Additional \$2,500.00
19	Wheelchair lift specify OEM in attached documentation. Supply and install wheelchair lift with one chair position across from lift inclusive of tie down system includes Ricon lift Qstraint tie down system and floor pockets for one chair	Additional	\$27,600.00	We offer Braunability lift. Seating Capacity will be reduced to 66 pax	Additional	\$14,000.00	Braun Lift and Q'Straint tie down kit	Additional	\$8,000.00	Braun Lift - Puck mounted hardware	Additional	\$10,200.00	
20	Track seating per wheelchair space	Additional	\$1,100.00	Add one set of Wheechair restraint and L-Track; AMF	Additional	\$1,982.00		Additional	\$1,000.00	Puck mounted seating	Additional	\$1,350.00	
21	Air operated disc brakes	No Charge		Included with Standard configuration	Additional	\$3,198.00		Additional	\$2,300.00				No Charge
22	Integrated Child Seats/Per Seat - Attach information details	Additional	\$1,500.00	HSM 3PT seat	Additional	\$1,168.00	IMMI seat with two ICS per	Additional	\$500.00				Additional \$725.00
23	Adjustable Foot Pedals	Not Available			Additional	\$1,690.00		Additional	\$1,600.00				Not Available
24	Telescopic Steering	No Charge		Included with Standard configuration	No Charge			No Charge					Additional \$425.00
25	Hydraulic brake school bus with air seat and air suspension	Additional		Hydraulic brake school bus with air seat and air suspension is available at additional cost	No Charge			Not Available					Not Available
26	Hydraulic brake school bus (no air components)	Additional		Hydraulic brake school bus is available at additional cost	Additional	-\$500.00		Not Available					Not Available
27	In-service training for chassis and body maintenance procedures at Purchaser's	No Charge		8 Hours training course	Additional	\$1,000.00		Additional	\$2,000.00				Additional \$800.00
28	Interior mirror 8 X 30 inches adjustable no windshield blockage	No Charge		Included with Standard configuration	Not Available			Additional	\$35.00				Not Available
29	Door handle on exterior of entry door	Additional		Door handle on exterior of entry door is available at additional cost	No Charge			No Charge		Included			No Charge
30	Move to one body size larger with same seat count for increased knee room	Additional		Available at additional cost	Additional	\$995.00		Additional	\$5,100.00				Not Available
31	Pedestrian Detection System	Additional		Available at additional cost	Additional	\$1,848.00	Mobileye System	Not Available					Not Available
32	Collision Mitigation System	Additional		Available at additional cost	Not Available			Additional	\$1,600.00	MobileEye Collision Avoidance System			Not Available
33	Stop Arm Camera	Additional		Available at additional cost	Additional	\$550.00	Seon camera only Gatekeeper Stop Arm Camera & License Reader 1250	Additional		Custom configurations will be coordinated and priced with customer upon finalizing purchases	Additional	\$1.00	We will quote supply and install stop arm cameras of the customer's choice.
34	Power and Range upgrade / downgrade - Price for each range option available	Additional	\$50,800.00	Power upgrade to 282 kWh for 280 km is available at additional cost. 70 pax only.	Not Available			Not Available					Not Available
35	Sears Atlas seat	Additional		Available at additional cost	Not Available			Not Available					Not Available
36	Onspot automatic chains	Additional		Available at additional cost	Additional	\$5,562.00	On Spot	Additional		Custom configurations will be coordinated and priced with customer upon finalizing purchases	Additional	\$6,300.00	
37	3-point seatbelts (priced per seat)	No Charge		Included with Standard configuration	No Charge			Additional	\$480.00	Price Per seat must order all or non	Additional	\$1,000.00	
38	Rear airfoil wind deflector	Additional		Available at additional cost	Additional	\$1,945.00		Additional	\$1,500.00				Additional \$1,100.00
39	At the request of the customer dealers and manufacturers are required to supply install and invoice 3rd party options from but not limited to the following providers: CalAmp Espar First Light Safety Products Gatekeeper Geotab Proheat Safefleet Safety Vision Tyler Drive Webasto Zonar.	No Charge		Included with Standard configuration	Additional		quoted upon request	Additional		Custom configurations will be coordinated and priced with customer upon finalizing purchases	Additional	\$1.00	We will quote supply and install specified equipment of the customer's choice upon request.

**TRA 25-01 - Supply and Delivery of School Buses - Specification - Base Bus Specifications: Body - Type C Electric**

Line Item	Body Specifications	BYD Canada Company Ltd Submission 1		Dynamic Specialty Vehicles Ltd. Submission 1		Velocity Truck Centres Submission 1		Western Canada IC Bus Inc. Submission 1	
		Yes/No	Additional Information	Yes/No	Additional Information	Yes/No	Additional Information	Yes/No	Additional Information
1	Four (4) additional power supply feeds at body power source.	Yes		Yes		Yes		Yes	
2	Crossing arm deactivation switch	Yes		Yes		Yes		Yes	
3	Full power steering - minimum 18" diameter steering wheel Tilt steering column telescopic	Yes		Yes		Yes		Yes	
4	HORNS Dual electric	Yes		Yes		Yes		Yes	
5	Instruments: Dash mounted hr meter Battery Monitor speedometer in kmh c/w odometer in km Range (2) air pressure gauges if air equipped	Yes		Yes		Yes	We do not have Range in the dash EV dash is similar to existing diesel with addition of SOC gauge	Yes	
6	Low air warning - light and buzzer	Yes		Yes		Yes		Yes	
7	School buses must be equipped with heating units and be able to sustain 15.5 degrees C (plus or minus 2 degrees) inside the vehicle when the outside temperature is 0 degrees C ambient. Heaters should not decrease vehicle range by more than one percent. Please describe achievable in vehicle temperature when outside temperature is -30C and provide the expected impact of heating the interior cabin temperate on vehicle range especially when outside temperature conditions are very cold.	Yes	Our standard PTC heaters can meet the requirements. A diesel powered heater working in conjunction with our electric heat pump may be required in extreme cold weather conditions in order to maintain a long range. The diesel powered heater can heat the cabin at more than 10C in a hour and more than 16C in 2 hour according to the simulation conducted at -30C.	Yes	Reaching and sustaining 15.5 degrees C (+/- 2 degrees) inside the vehicle when the temperature is 0 is not a problem. Further testing is required to provide the achievable in-vehicle temperature when the outside temp is -30C. The battery thermal management system typically uses less than 10% of usable power to maintain operating conditions. This does not account for cabin heat loads. When cabin heat is activated cabin heat will consume 6% - 20% of usable power.	Yes	"Yes standard heaters can meet the desired temp but not without more than -1% effect on range. We have 2 electric coolant heaters. 10kW heater for the batteries and 20kW heater for the cabin area"	Yes	"Dual heating system included: electric and fuel fired. Both systems will operate on a closed loop. The electric heater (21kW) sustains heat between 18c to 23c (defined as comfort) down to -10C (14F) ambient temperature. In temperatures below -10C the fuel-fired heater will maintain comfort. Operation of heating systems has been taken into consideration in our range statement. The fuel fired heating system is used below -10C and to maintain maximum range."
8	Vendors should describe their proposed heating systems including fuel source and flexibility to accommodate different fuel types as requested by local school district. "The use of electric heaters to pre-heat the vehicle cabin is not preferred; however using electric heat to keep the batteries warm is acceptable. Vendors should also describe their proposed system for pre-heating vehicle cabins.	Yes	BYD     RIDE School buses have an electric PTC (Positive temperature coefficient ) heater and an HVAC system to preheat the bus. A diesel heater can be installed upon request.The Thermal Management System consists of three electric heaters: one is dedicated to heating the propulsion batteries and two are dedicated to cabin heat. As a supplement to the electric heaters there is an optional Webasto diesel-fired heater that can provide additional heat for the cabin. The electric heaters and/or the diesel heater are capable of pre-heating the cabin while the bus is charging. While the bus is charging the driver can turn on the cabin heaters which will use power from the charger to run the electric heaters and not affect the battery charge. With a heater the timer can be set on the EV no different than a diesel engine to pre-heat the cabin. The diesel heater is included in the base price of the bus.	Yes	The Thermal Management System consists of three electric heaters of which one is dedicated to heating the propulsion batteries and two are dedicated to cabin heat. As a supplement to the electric heaters there is an optional Valeo diesel-fired heater that can provide additional heat for the cabin. The electric heaters and/or the fuel-fired heater are capable of preheating the cabin while the bus is charging. While the bus is charging the driver can turn on the cabin heaters while performing pre-check which will use power from the charger to run the electric heaters and not affect the battery charge. With a valeo heater the timer can be set on the EV no different than a diesel engine to pre-heat the cabin.  The Valeo diesel-fired heater is included in the base price of the bus	Yes	Jouley is designed as a true ZERO emissions vehicle. 2 electric heaters are used to provide heat for the battery system and cabin area. Standard under-seat heaters are used to heat cabin - we do not offer an auxiliary diesel heater for our electric bus. For pre-heat conditioning of bus we utilize the BMS and charger to heat to desired temp before unplugged for route.	Yes	"When vehicle is not in use during cold temperatures it is recommended to keep battery temp above 0C by keeping the vehicle plugged in. When vehicle is in use the vehicle BMS will control temperature. There are no additional maintenance or operational requirements."
9	LIGHTS: Front headlights: HD All exterior lights to be LED Cluster lights: front and rear - six (6) in total LED 8 light system non-sequential with master switch	Yes		Yes	Headlights LED	Yes		Yes	
10	Body insulation including walls ceiling and roof bows - to be fiberglass or equivalent Dust intrusion package on underside of bus up to floor joint	Yes		Yes		Yes		Yes	
11	WINDSHIELD Laminated safety glass tinted Please state what is offered.	Yes	The Front Windshield is 7.76 mm with laminated clear glass	Yes	Tinted safety glass	Yes	Tinted safety glass 1- piece curved & bonded windshield provided for best in class visibility clear of any seams. with the largest visibility footprint on the market our windshield eliminates any potential blind spots that may be found with a 3 or 4 piece windshield. Ensuring children are always seen and safe	Yes	3-Piece Flat
12	WINDOWS Passenger windows split sash type tinted throughout. Thermal where required Driver's window sliding type thermal pane lockable Emergency windows evenly spaced.	Yes		Yes		Yes		Yes	
13	Exterior Lettering Six Inch - (Purchaser name) both sides at belt line	Yes		Yes		Yes	As required by district	Yes	
14	Four Inch - Bus Number two front corners and opposite rear license plate	Yes		Yes		Yes	As required by district	Yes	
15	Two Inch - Capacity GWV (Purchaser name) on side panel back of entrance door and side panel below driver.	Yes		Yes		Yes		Yes	
16	Floor 5/8 plywood subfloor or equivalent secured with screws only (no nails) water proofed and sealed at joints with silicone sealer including floor to wall seams; floor covering and entry steps	Yes		Yes		Yes	we use screws only	Yes	
17	Vandal lock for Emergency and Entrance Doors	Yes		Yes		Yes		Yes	
18	Heavy duty entrance door control - air or electric operated Entrance Door must be outward opening	Yes		Yes		Yes	Air and Electrical entrance door controls available	Yes	
19	Two (2) auxiliary 6" electric defroster fans Separate switches on panel	Yes	Defroster fans are included with optional designs.	Yes		Yes	One windshield mounted and one above driver's window	Yes	
20	Driver's dome light on separate switch.	Yes		Yes		Yes	LED Driver's Dome	Yes	
21	Rear dome lights on separate switches ( with dimmers if available )	Yes	Rear dome lights are included but with no dimmers.	Yes		Yes	Front & rear half of dome lights on separate switches (no dimmers available with LED dome lights)	Yes	
22	AM/FM CD RADIO W/PA Flush mounted speakers to match bus	Yes		Yes		Yes		Yes	
23	Driver's seat to be deluxe high back air seat fully adjustable - 6-way with lumbar support and fold down arm rests. Air foam rubber filled with heavy duty covering cloth fabric	Yes		Yes		Yes		Yes	
24	EMERGENCY EQUIPMENT COMPARTMENT Above windshield; all emergency equipment to meet standards	Yes		Yes		Yes	FAK & fire extinguisher in overhead compartment. Triangles on vestibule floor	Yes	
25	Mud flaps front Mud flaps rear with rubber fender skirts	Yes		Yes		Yes		Yes	
26	MIRRORS (EXTERIOR) Right and left side primary and convex mirrors; remote adjustable Exterior convex crossovers self-defrosting mounted on right and left sides of hood	Yes		Yes		Yes		Yes	
27	Two (2) LED stop arms with strobe lights (red) air operated one (1) front mounted (1) rear mounted. Both with wind guards	Yes	These features can be included as an option.	Yes		Yes	FISA x 2	Yes	
28	Wet arm windshield wipers intermittent / delay preferred	Yes		Yes		Yes		Yes	
29	Light coloured rubber floor covering and entrance steps. Specify colour.	Yes	The rubber floor covering and entrance steps are gray.	Yes	Grey	Yes	Grey colour flooring	Yes	Grey
30	Seat spacing minimum 24" knee clearance Frame seat belt ready	Yes		Yes		Yes		Yes	
31	Aluminized side panelling	Yes		Yes		Yes	Galvalume interior side walls	Yes	
32	77" minimum interior headroom at highest point. Please state Headroom	Yes		Yes	77"	Yes	78 inch headroom standard	Yes	78"
33	Interior mirror - minimum 6" up to 10" x 30" Sun visor - Plexiglas 6" x 30"	Yes		Yes		Yes	6 x 30 inch mirror provided	Yes	
34	Two (2) roof emergency hatches / vents	Yes		Yes		Yes		Yes	
35	Right side luggage compartment 84" preferred Specify largest size available based on body size	No		No	Not available on Electric Bus	No	Not available	No	
36	Body fully undercoated for noise and enhanced rust protection	Yes	All areas excepted batteries are covered. DINITROL_4942 Anti-corrosive coating is applied for rust protection.	Yes	Asphalt emulsion undercoating included.  Option: Premium Undercoat Sulfonate Enhanced DTM Modified Wax coating. Replaces the standard asphalt emulsion. Provides approximately twice the performance in highly corrosive environments where de-icing chemicals are prevalent	Yes	Asphalt emulsion undercoating for maximum corrosion resistance. Corashield high performance undercoating is available at an additional cost. This durable wax based self-heating formula guards against moisture and abrasions from road debris	Yes	"Water Based Asphalt Emulsion installed post body-drop is included. Chemguard metal treatment is available optionally."
37	Each unit shall be equipped with a Sound Generator that complies with FMVSS and CMVSS 141	Yes		Yes		Yes		Yes	

**TRA 25-01 - Supply and Delivery of School Buses - Specification - Base Bus Specifications: Chassis - Type C Electric**

Line Item	BYD Canada Company Ltd Submission 1		Dynamic Specialty Vehicles Ltd. Submission 1		Velocity Truck Centres Submission 1		Western Canada IC Bus Inc. Submission 1	
	Yes/No	Additional Information	Yes/No	Additional Information	Yes/No	Additional Information	Yes/No	Additional Information
1 Chassis and Body Year	Yes	The model is BYD   RIDE Creator Type C 2026	Yes	2026 Blue Bird	Yes	Freightliner Customer Chassis - 2026 model year	Yes	2025-2026 International
2 Propulsion system- vehicle performance include: A sustained speed of 70 kph on a 2.5% grade; and 20 kph on a 20% grade. An ability to accelerate to 20 kilometers per hour (kph) in four seconds; to 40 kph in 10 seconds; 50 kph in 20 seconds and 70 kph in 35 seconds. Expectations are that the school bus shall be cable of a minimum of 200 kilometer range on a single battery charge on route measured with 50% city miles and 50% highway miles. Vehicles should be capable of operating at minus 30 degrees Celsius (-30C) to 35C with limited loss of range (no more than 10% reduction of documented range) in these variable conditions. This range rating must be tested with all normal accessories running in the conditions described including terrain encountered in BC.	Yes	BYD Performance Under GVWR: A sustained speed of 70 kph on a 2.5% grade: YES A sustained speed of 20 kph on a 20% grade: Yes An ability to accelerate to 20 kilometers per hour (kph) in four seconds: YES An ability to accelerate to 40 kph in 10 seconds: YES An ability to accelerate to 50 kph in 20 seconds: YES An ability to accelerate to 70 kph in 35 seconds: YES The bus is able to achieve a minimum range of 200 km at GVWR with all accessories on under a driving condition of 50% city miles and 50% highway miles.	Yes	A sustained speed of 70 kph on a 2.5% grade Exceed; and 20 kph on a 20% grade Capable of starting on a 20% grade but have not tested at the listed sustained low speed operation. An ability to accelerate to 20 kilometers per hour (kph) in four seconds; to 40 kph in 10 seconds; 50 kph in 20 seconds and 70 kph in 35 seconds. We are capable of 0 to 96.5 kph in 45 seconds. While we have not tested to the scale in the spec with logic applied we would meet this spec. Expectations are that the school bus shall be cable of a minimum of 200 kilometer range on a single battery charge on route measured with 50% city miles and 50% highway miles. We are capable of meeting or exceeding Vehicles should be capable of operating at minus 30 degrees Celsius (-30C) to 35C with limited loss of range (no more than 10% reduction of documented range) in these variable conditions. This range rating must be tested with all normal accessories running in the conditions described including terrain encountered in BC. This condition has the best opportunity to be accommodated through advanced preconditioning and in some cases accomplished with a fuel fired heater optioned. While we would take exception to this specification we have continually improved the product to mitigate range reduction found in high and low ambient temperature operation.	Yes	Freightliner Customer Chassis - 2026 model year Stability/Gradability = 28% / 6% @ 30mph	Yes	
3 Describe vehicle performance while fully loaded in terms of maximum operating speed grade-ability and acceleration. Please provide documentation of for verifying submitted vehicle performance claims to meet above performance specifications.	Yes	The max speed is 100km/h and has up to a 21 degree gradeability.	Yes	available based on vehicle configuration	Yes	RSL is up to 70mph. Driver Behavior and Terrain will determine a lot of this information	Yes	"Range: 200km in bid stated conditions. Acceleration: All acceleration times will comply with bid stated conditions. Max Speed: 100km/h 20% grade 0-100km/h in <40 sec Peak Power: 250kW (335 hp) Continuous Power 160 kW (215 hp) Peak Torque: 15700Nm (11570 ft-lbs) Continuous Torque: 2100Nm (1549 ft-lbs) See Attachment."
4 Vehicles should have the ability to change the powertrain differential ratio to maximize range performance in mountain routes city routes highway routes or a combination of mountain city and highway routes. Please describe your process for achieving this?	Yes	BYD   RIDE school buses can change the powertrain differential ratio to maximize range performance in mountain routes city routes highway routes or a combination automatically. The buses have a 2 gear ratio.	No	We offer an axle ratio that is optimized for the full range of operation of a typical route bus all climates terrain and 0 to 100kph. We are certainly open to exploring additional options if the operating condition would benefit from it.	No	6.14 Rear axle ratio required	Yes	"Differential axle ratios are determined by the axle on the vehicle which are semipermanent components. Changing the ratio would require a different axle. The axle differential ratio is designed to achieve an overall performance that is suitable for most environments."
5 Wheelbase up to 280" - Specify for Each body size	Yes	The wheelbase is 260in/280in.	Yes	273" Wheelbase with 3303 body size (71 Passenger bus) 273" Wheelbase with 3310 body size (76 Passenger bus)	Yes	Available in 219 wheelbase 251TS body size (up to 59 passengers) 259 wheelbase 311TS body size (up to 71 passengers) and 279 wheelbase 341TS body size (up to 77 passengers)	Yes	276"
6 Remote air tank drains	Yes		Yes	Heated automatic drains for all reservoirs included. If remote manual drains are required then they must be on the left.	Yes		Yes	
7 Rear tow hooks	Yes		Yes		Yes		Yes	
8 Wheels - Disc hub piloted	Yes		Yes		Yes		Yes	
9 Tires - Six (6) -11R22.5 Michelin XZE 2 (preferred)	Yes	The buses use Goodyear S2000+ tires	Yes		Yes	Michelin XZE2 steer tires and Michelin X Multi D Plus drive tires.	Yes	
10 Rear Axle - Capacity; 19 500 lb Maximum speed required: 110 kmh Cruise control set at 100 kmh 21 000 lb air ride suspension.	Yes	The rear axle has a 28660 lb capacity and its air suspension is in the rear.	Yes	Max rear axle capacity is 23000 lb. Maximum speed is 104.6 kmh. Cruise control is not available. If air ride suspension is used then it will have a rating of 23000 pounds	Yes	Maximum rear axle capacity is 23000 lb. Maximum speed is 105km/h. Cruise control is not available. Air ride suspension is 23000 lb.	Yes	
11 FRONT AXLE 10 000 lb minimum 10 000 lb spring suspension	Yes		Yes		Yes		Yes	
12 AIR BRAKES S cam W/ABS Min. 13.2 cfm compressor Spring brakes for emergency and parking Auto slack adjustors long stroke Air dryer 16-1/2 x 5 Front 16-1/2 x 7 Rear backing plates	Yes		Yes		Yes		Yes	
13 Regenerative braking to charge batteries must meet all Canadian Motor Vehicle Safety Standards in regards to braking systems	Yes	The regenerative braking system to charge batteries meets all of the Canadian Motor Vehicle Safety Standards in regards to braking system.	Yes	Bluebirds regenerative braking system to charge batteries meets all Canadian Motor Vehicle Safety Standards in regards to braking system	Yes		Yes	
14 BATTERY - *200 kwh minimum* - Vendors should describe their proposed energy storage/battery system including the number of battery packs and battery chemistry. *Battery efficiency (kilometers per kWh) *Time (in minutes) to charge batteries from 20% to 100% state of charge on a level 2 charger. *Time (in minutes) to charge batteries from 20% to 80% state of charge on a level 2 charger. *Battery capacity (amps per hour per cell) *Battery storage capacity (kWh) *Total usable battery energy storage capacity (kWh) *Total battery pack C-rate. *Total battery pack E-rate *Battery Cycle Life in number of charge-discharge cycles at a specific depth of discharge (DOD) *Battery thermal management type (describe battery maintenance and operational requirements when vehicle is in use and not in use	Yes	BYD   RIDE Type C has 2 configurations (193 kWh and 282 kWh) . The 3-pack configuration has 281 kWh capacity with charger and software platforms tested and proven for V2G capability. The battery chemistry is lithium iron phosphate (LFP).	Yes	*200 kwh minimum* Exception currently at 194 kWh but 88% useable (170kWh) - Vendors should describe their proposed energy storage/battery system including the number of battery packs Two(2) and battery chemistry. Li-ion NMC *Battery efficiency (kilometers per kWh) *Time (in minutes) to charge batteries from 20% to 100% state of charge on a level 2 charger. 420 to 840 minutes *Time (in minutes) to charge batteries from 20% to 80% state of charge on a level 2 charger. 319 to 612 minutes Battery capacity (amps per hour per cell) Battery storage capacity (kWh) 194kWh Total usable battery energy storage capacity (kWh) 170kWh Total battery pack C-rate. Exception but Available Upon Request from the battery supplier Total battery pack E-rate Exception but Available Upon Request from the battery supplier. Battery Cycle Life in number of charge-discharge cycles at a specific depth of discharge (DOD) Exception 8 year or 390 Megawatt/Hour gross discharge warranty maintaining 70% of the useable capacity Battery thermal management type Circulating DexCool and distilled water mix with resistance heat and R134A compressor with chiller block (describe battery maintenance and operational requirements when vehicle is in use and not in use) While the battery is in use coolant level should be inspected before each use and coolant should flush and refilled every 5 years. If the vehicle is going to be stored for an extended period it is recommended to be at the 50% state of charge (The low voltage battery can be deactivated during storage) Contact your distributor for more than 90 days	Yes	2 battery packs - 123kW=246kW Battery Capacity 1.474 vehicle efficiency total usable battery capacity = 219kW 20% to 80% charge =132 minutes with 60kW charger - 330 minutes with 24kW charger ~1c/E peak charge rate ~1.8C/E peak discharge rate ~0.5C/E peak continuous charge rate ~0.7C/E continuous discharge rate	Yes	"The battery system consists of 2 strings of 3 battery packs each achieving a total capacity of 210kWh and a nominal voltage of 608V. Each pack has a 1P63S cell configuration. The cells are prismatic and use LFP chemistry. Lithium-Ion Batteries (6) 210kWh total 608V 345Ah total. Vehicle efficiency 0.84 kwh/km Level 2 Charge time: 20kW x T = 60% x 210kWh T = 378 Mins Useable capacity = 70% x 210kWh = 147 kWh Pack C Rate = 1 (continuous discharge) Pack C Rate = 0.7 (continuous charge) Attachment"
15 Back-up alarm 97 dB minimum	Yes		Yes		Yes		Yes	
16 High capacity dry type air cleaner c/w air restriction gauge to be mounted on dash or air intake	Yes		Yes	This vehicle uses an electric motor for its propulsion system and therefore an air cleaner is not required	No	not applicable	Yes	
17 Battery Management System	Yes	The battery uses an intelligent liquid cooling system to effectively control the battery temperature through the circulation of coolant so that the temperature difference of the battery cell is controlled within a very small range thereby improving the battery life and performance. The battery management system (BMS) can monitor the battery temperature in real time and automatically adjust the cooling or heating strategy according to the operating conditions to ensure that the battery is always in the optimal operating temperature range. In high temperature environments the system will actively start the liquid cooling cycle to prevent the battery from overheating and avoid the risk of thermal runaway. The liquid cooling system can maintain a high power charging rate and shorten the fast charging time. In low temperature environments the system will use heating functions (such as PTC heating or heat pump systems) to ensure that the battery can still maintain efficient charging and discharging performance in cold weather. The heating system can improve battery activity shorten charging time and reduce winter endurance attenuation.	Yes	Blue Birds Battery Management System (BMS) facilitates smart charging by monitoring battery State of Charge (SOC) and other parameters associated with State of Health (SOH) and communicates to the system controller (SCM). The SCM will then determine how much charge should be provided to the battery based on the current state of the battery and control the on-board chargers appropriately	Yes	Battery thermal management includes battery coolant heater and chiller to manage battery temperature when charging and driving	Yes	"Each battery pack is equipped with a battery management system to monitor battery life state of charge and other proprietary variables."
18 On-Board Charging Systems Vendors should describe their preferred charging/discharging systems including EVSE noting that the expectation is that vehicles will be fitted with on board AC (19.2 kW) bidirectional charging/discharging systems that conform to the most recent SAE J1772 standards and/or other relevant standards for V2B bi-directional power flow. The vehicles should also be fitted with DC charge/discharge coupler capable of a sustained maximum of 90kW of power transfer at a maximum of 200 AMPs. The coupler should conform to all current SAE standards. All charging system components shall have CSA certification or provide acceptable documentation. Charging systems shall be capable of operating from -30C to 40C with no more than 10% degradation in performance	Yes	BYD   RIDE features a standard CCS1 connector supporting both Level 2 AC charging and Level 3 DC fast charging. The level 2 AC charges at 240V AC and the maximum charging power reaches 19.2 kW. Without limitations from the charging station a full 0-100% charge takes approximately 10 hours. The level 3 DC Fast Charging charges with a maximum power of 115 kW and can achieve a 0-100% charge in 1.5 hours provided there are no output restrictions from the charging station. It is compatible with major charging station brands. The maximum discharge power is equal to the charging power. However Vehicle-to-Grid functionality is only compatible with V2G charging stations. Charging systems shall be capable of operating from -30C to 40C with no more than 10% degradation in performance with the battery functioning.	Yes	Vendors should describe their preferred charging/discharging systems including EVSE noting that the expectation is that vehicles will be fitted with on board AC (19.2 kW) bidirectional Exception currently - Open to discussion charging/discharging systems that conform to the most recent SAE J1772 standards and/or other relevant standards for V2B bi-directional power flow. We are certified to ISO 15118-20 The vehicles should also be fitted with DC charge/discharge coupler capable of a sustained maximum of 90kW Up to 120kWh input and 60kWh output of power transfer at a maximum of 200 AMPs. Meets the coupler should conform to all current SAE standards. SAE J1772 CCS1 All charging system components shall have CSA certification or provide acceptable documentation. Charging systems shall be capable of operating from -30C to 40C with no more than 10% degradation in performance Meets or Exceeds	No	On-Board Charger not available. We are DC only. We will have the ability for AC/DC Charging in 2026. All Jouley's that are built are V2G Capable. The chargers we would recommend for V2G would have the inverter to convert DC to AC.	Yes	See Attachment
19 Heavy Duty hoses to meet current coolant standards.	Yes		Yes		Yes	Hi-Miler Hose are standard on all Jouley's	Yes	
20 Data collection for performance and analytical comparisons must be available on a regular basis for both ASTSBC and the purchaser. Training must be provided. *Sample report with minimum requirements can be found in the Documents section.	Yes	A telematics box (Vendor: Teclium a Canadian company) is equipped as a standard configuration which allows customers to monitor the bus for performance preventive maintenance. It also allows for location tracking (Cloud web service is an option for quote); Training will be provided.	Yes		Yes	Customers are provided (free for the first two years) Valence Software from Protera. Subscription based after two years. We would also recommend Charge Management Software as well. Training can be provided for both.	Yes	Customized Regular Data Reporting will continue to be offered as required by the ASTSBC.
21 Oil lubed from wheel bearings or sealed bearings	Yes		Yes		Yes		Yes	
22 SERVICE MANUAL AND DIAGNOSTIC SOFTWARE Service manual for engine and chassis Engine and body diagnostics software or licensing if web based. Diagnostic Training must be provided to each purchaser	Yes	Engine and body diagnostics software is an option. Diagnostic Training will be provided to each purchaser	Yes	Body diagnostics software service manual and training are included. Cummins Corporation currently is not offering any technical manuals on their powertrain and battery management system. Due to the high voltage electrical systems integrated into Blue Birds Bus platform Cummins is responsible for all repairs made to these systems.  Please call Dynamic for service and warranty to facilitate and expedite services required	Yes	Parts & service info on-line	Yes	
23 Supply Driver Training and Orientation to ASTSBC Trainers to supply training for drivers upon bus delivery.	Yes		Yes		Yes		Yes	
24 Supply line setting ticket	Yes		Yes		No		Yes	
25 Heater cut off valve at source	Yes		Yes		Yes		Yes	
26 Battery location and weight - please describe	Yes	The location is between the chassis mainframe. Each pack is 615kg. Type C has a 3 pack configuration (288 kWh) or 2-pack (193 kWh).	Yes	The batteries are enclosed in aluminum alloy structure and steel container and attached to the chassis via frame mounts and rubber isolators and are located under the chassis frame rails between the front and rear axle. Approximate weight is 1120 kg	Yes		Yes	Batteries are mounted in between the frame rails and rigidly attached using welded and bolt on brackets. Each battery pack weighs 491 lbs. Batteries are protected from the elements. Batteries are backed by international standards rating of IP68 and are deemed fit enough to withstand dust dirt and sand and are resistant to submersion up to a maximum depth of 1.5m underwater for up to 30 minutes and encased in an aluminum box.
27 FULLY ILLUMINATED Stop Arm (pneumatic operated) Stop Sign - red octagon with white lettering	No	An illuminated school bus sign can be provided as an optional design. Available for quote	Yes		No		Yes	
28 FULLY ILLUMINATED Stop Arm (electric drive) Stop Sign - red octagon with white lettering	Yes	The illuminated school bus sign can be included as an optional design. Available for quote	No		Yes	FISA x 2	No	
29 ILLUMINATED SCHOOL BUS SIGN (front and rear) approved by BC Ministry of Transportation	Yes	An illuminated school bus sign can be provided as an optional design. Available for quote	Yes		Yes		Yes	