



MAGELLAN



NEW

100% EMISSION FREE

ALL-ELECTRIC TYPE A SCHOOL BUS

FOR MORE THAN 50 YEARS, WE CONTINUE TO BRING THE BEST BUS DESIGNS

Introducing Magellan, a new model from Collins Bus that has been synonymous with the school bus industry for more than 50 years. After half a century of delivering Type A school buses with A+ marks for strength and safety, Magellan continues on that legacy, from the most trusted bus manufacturer across every segment – Collins Bus.

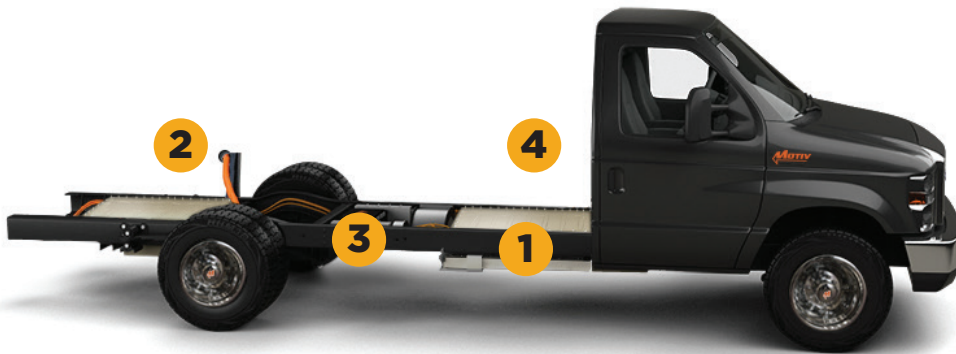
MAGELLAN FROM COLLINS BUS

Collins Bus developed the first Type A school bus in 1967, and the Magellan continues on that record of excellence ensuring we protect our most important passengers – mile after mile from home to school and back. Innovative engineering leads to a roof structure (roll over test) 5x's stronger than the national standard. With the Magellan design and lean manufacturing process, we will continue to ensure that our school buses are head of the class.



ELECTRIC BUS SPECIFICATIONS

- 1. Battery Packs** - BMW Lithium-ion i3 passenger car batteries. 127 kWh total capacity.
- 2. Charge Plug:** Level 2 19.2 kW AC Charging. Level 3 CCS1 DC Fast Charging optional.
- 3. Clear Frame Rail Space:** Battery packs between the frame rails make more space for cargo and vehicle body use.
- 4. Control Assembly:** Motiv's 5th generation AdaptEV software platform allows fleets a seamless pathway to electrification.



FEATURES & BENEFITS

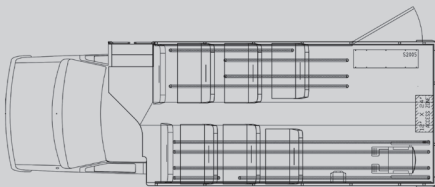
- Up to 85% operating and maintenance savings
- Ford eQVM-approved 5th generation technology
- Industry-proven BMW batteries validated through millions of real-world miles
- Independent battery control improves reliability and performance
- Over-the-air software updates for new features and functionality
- Industry's largest view-out window reduces blind spots and enhances visibility
- Innovative structural design provides unparalleled safety and features a one-piece tubular roof bow design

CHASSIS

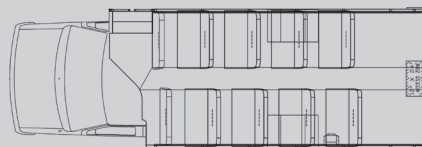
OEM Platform	Ford E-450
MaxGVWR	14,500 lbs
Battery Technology	BMW Lithium-ion
Battery Capacity	127 kWh
Range	105 miles
Gradeability	17%
Max Speed	65 mph
Regenerative Braking	Standard
Level 2 AC Charging	19.2 kW / J1772
Level 3 DC Fast Charging	60 kW / CCS



DE516 WRF
Passengers (16 + 1 wheelchairs)



DH516
Passengers (24)



Motiv is the only Ford eQVM approved provider of all-electric chassis for school buses and benefits from engineering insights and support from Ford to ensure safety and reliability. With hundreds of thousands of miles logged among several of the largest fleet operators in the United States, the EPIC family eliminates 100% of vehicle emissions, dramatically reduces operating and maintenance costs, and creates a healthier environment for riders and communities while also reducing driver fatigue.