



**Built in Athens, Ohio
An Atlanta, Georgia Company**



Horizon HM8 BEVG3 Class 8 Battery-Electric 3-Axle Rear Load Garbage Truck

- Features -

- 100% All-Electric
- Up to 60% Fuel Savings
- 30–50% Lower Maintenance Costs
- Quiet Operation: Operates with minimal noise, ideal for residential routes
 - Fast Charging: 0 to 100 percent in ~144 minutes
 - Rear hydraulic dump arm for effortless bin dumping
- Double compression system increases payload density
 - Self-cleaning hopper for easy maintenance

- Main Specs -

- Range: 219.5–263.4 mi
- Battery capacity: 513 kWh



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HM8 BEVG3

Class 8 - Garbage Truck 3 Axle

GENERAL SPECIFICATIONS

GVWR	65000.00 lbs
Curb Weight	39280.00 lbs
Max Payload	25720.00 lbs
Overall Length	34.00 ft
Width	8.33 ft
Height	10.83 ft
Cab-to-Axle (CA)	144.00 in
Cab-to-End-of-Frame (CE)	228.74 in
Bumper-to-back of Cab	80.71 in
Turn radius	27.89 ft
Ground Clearance	15.75 in
Approach Angle	18.00 degree
Departure Angle	35.00 degree



ELECTRIC DRIVE MOTOR

Motor Type	Permanent Magnet Synchronous
Rated Power	201.15 hp
Peak Power	337.90 hp
Rated Speed	5510 rpm
Peak Speed	10500 rpm
Rated Torque	191.77 lb-ft
Peak Torque	405.66 lb-ft
Rated Voltage	630.00 V
Voltage Range	-
Cooling	Liquid cooling
Efficiency	0.93

SUSPENSION & AXLES

Front Spring	68.1 × 3.54 × 0.87 in (3 leaves)
Rear Spring	62.2 × 3.54 × 1.34 in (4 leaves)
Auxiliary Spring	-

HV BATTERY & CHARGING

Chemistry	Lithium Iron Phosphate
Capacity	512.59 kWh
Cell Rating	268.00 ah
Mounting Location	Center frame
DC Fast Charge Power	400.00 kW
Warranty Years	8.00 yrs
Warranty Miles	248549.00 miles

WHEELS & TIRES

Wheel Material	-
Tire Size	295/80R22.5 18
Rim Width	9.00 in
Tire Pressure	130.53 psi

Front Suspension	Steel Leaf Spring
Rear Suspension	Steel Leaf Spring

Max Allowable (front)	15652.82 lbs
Front Single or Dual	single
Max Allowable (rear)	57320.16 lbs
Rear Single or Dual	dual

ELECTRICAL/MECHANICAL POWER TAKEOFF

Electric Power Extraction Quality	-
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HVAC / COOLING

Heating Type	Liquid heat
Refrigerant	R1234yf
Refrigerant Capacity	1300

BRAKES

Service Brakes	Pneumatic
Parking Brakes	Spring energy storage brake
Auxiliary Brakes	Motor Regenerative

PERFORMANCE

Range (preliminary)	219.5–263.4 mi
Top Speed	74.4 mph
Gradeability	20.00 %

Specifications are subject to change without notice. The latest data is always reflected in this specification sheet.

Pre-Order This Vehicle