



Built in Athens, Ohio
An Atlanta, Georgia Company



Horizon HM7 BEVGT Class 7 Battery-Electric 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 ~53 minutes
 - Rear hydraulic dump arm for effortless bin dumping
 - Double compression system increases payload density
 - Self-cleaning hopper for easy maintenance

- Main Specs -

- Range: 218-326 miles
- Battery capacity: 302 kWh



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HM7 BEVGT

Class 7 - Garbage Truck

GENERAL SPECIFICATIONS

| | |
|---------------------------------|--------------|
| GVWR | 33000.00 lbs |
| Curb Weight | 26180.00 lbs |
| Max Payload | 6820.00 lbs |
| Overall Length | 29.92 ft |
| Width | 10.08 ft |
| Height | 10.50 ft |
| Cab-to-Axle (CA) | - in |
| Cab-to-End-of-Frame (CE) | - in |
| Bumper-to-back of Cab | 71.06 in |
| Turn radius | - ft |
| Ground Clearance | - in |
| Approach Angle | - degree |
| Departure Angle | - degree |



ELECTRIC DRIVE MOTOR

| | |
|----------------------|------------------------------|
| Motor Type | synchronous permanent magnet |
| Rated Power | 147.51 hp |
| Peak Power | 281.62 hp |
| Rated Speed | 2100.00 rpm |
| Peak Speed | 4500.00 rpm |
| Rated Torque | 368.79 lb-ft |
| Peak Torque | 811.33 lb-ft |
| Rated Voltage | 600.00 V |
| Voltage Range | - |
| Cooling | Liquid cooling |
| Efficiency | 0.93 |

SUSPENSION & AXLES

| | |
|-------------------------|-------|
| Front Spring | 10.00 |
| Rear Spring | 10.00 |
| Auxiliary Spring | 8.00 |

HV BATTERY & CHARGING

| | |
|-----------------------------|------------------------|
| Chemistry | Lithium Iron Phosphate |
| Capacity | 301.6 kWh |
| Cell Rating | 245.5 ah |
| Mounting Location | middle |
| DC Fast Charge Power | 120.0 kW |
| Warranty Years | 8.0 yrs |
| Warranty Miles | 248548.48 miles |

WHEELS & TIRES

| | |
|-----------------------|----------------|
| Wheel Material | Aluminum alloy |
| Tire Size | 295/80R22.5 18 |
| Rim Width | 9.00 in |

| | |
|-------------------------|-------------|
| Front Suspension | Leaf spring |
| Rear Suspension | Leaf spring |

| | |
|------------------------------|------------|
| Tire Pressure | 130.53 psi |
| Max Allowable (front) | 15653 lbs |
| Front Single or Dual | single |
| Max Allowable (rear) | 28660 lbs |
| Rear Single or Dual | dual |

ELECTRICAL/MECHANICAL POWER TAKEOFF

| | |
|--|-----|
| Electric Power Extraction Quality | 2.0 |
|--|-----|

HVAC / COOLING

| | |
|-----------------------------|----------|
| Heating Type | PTC |
| Refrigerant | R1234yf |
| Refrigerant Capacity | 600 ± 20 |

BRAKES

| | |
|-------------------------|--------------------|
| Service Brakes | Pneumatic |
| Parking Brakes | Central drum brake |
| Auxiliary Brakes | Motor Regenerative |

PERFORMANCE

| | |
|----------------------------|----------------|
| Range (preliminary) | 218.2–326.2 mi |
| Top Speed | - mph |
| Gradeability | 20 % |

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

Pre-Order This Vehicle