



Built in Athens, Ohio
An Atlanta, Georgia Company



Horizon HM3 BEVBX Class 3 Battery-Electric Box Truck

- Features -

- 100% All-Electric
- Up to 60% Fuel Savings
- 30–50% Lower Maintenance Costs
- Fast Charging: 0 to 100 percent in ~46 minutes

- Main Specs -

- Range: 161~193 miles
- Battery capacity: 151 kWh



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HM3 BEVBX

Class 3 - Dry Base Box Truck

GENERAL SPECIFICATIONS

GVWR	13500.00 lbs
Curb Weight	9800.00 lbs
Max Payload	3700.00 lbs
Overall Length	20.25 ft
Width	7.17 ft
Height	10.08 ft
Cab-to-Axle (CA)	CA in
Cab-to-End-of-Frame (CE)	179.53 in
Bumper-to-back of Cab	67.44 in
Turn radius	22.64 ft
Ground Clearance	8.27 in
Approach Angle	20.00 degree
Departure Angle	27.00 degree



ELECTRIC DRIVE MOTOR

Motor Type	3P AC Synchronous Permanent Magnet
Rated Power	87.17 hp
Peak Power	187.74 hp
Rated Speed	4244.0 rpm
Peak Speed	1200.0 rpm
Rated Torque	125.45 lb-ft
Peak Torque	280.34 lb-ft
Rated Voltage	540.0 V
Voltage Range	350.00–700.00
Cooling	Water Cooling
Efficiency	0.95

HV BATTERY & CHARGING

Chemistry	Lithium Iron Phosphate
Capacity	150.8 kWh
Cell Rating	245.5 ah
Mounting Location	Center
DC Fast Charge Power	245.5 kW
Warranty Years	8.0 yrs
Warranty Miles	248548.0 miles

SUSPENSION & AXLES

Front Spring	48.43 × 2.95 × 0.39 in - 3 leaves
Rear Spring	51.18 × 2.95 × 0.39 in - 5 leaves
Auxiliary Spring	35.43 × 2.36 × 0.63 in - 2 leaves
Front Suspension	Non-independent leaf spring suspension
Rear Suspension	Non-independent leaf spring suspension

ELECTRICAL/MECHANICAL POWER TAKEOFF

Electric Power Extraction Quality	1.0
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HVAC / COOLING

Heating Type	Resistive Heat Strips
Refrigerant	R1234yf
Refrigerant Capacity	650

WHEELS & TIRES

Wheel Material	Aluminum
Tire Size	7.50R16LT 16
Rim Width	6.00 in
Tire Pressure	126.15 psi
Max Allowable (front)	7275.25 lbs
Front Single or Dual	single
Max Allowable (rear)	12786.8 lbs
Rear Single or Dual	dual

BRAKES

Service Brakes	Air
Parking Brakes	Electronic Parking Brake
Auxiliary Brakes	Motor Regenerative

PERFORMANCE

Range (preliminary)	160.7–192.8 mi
Top Speed	68.4 mph
Gradeability	25.0 %

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