



Built in Athens, Ohio
An Atlanta, Georgia Company



Horizon HM4 BEVRF Class 4 Battery-Electric Refrig Truck

- Features -

- 100% All-Electric
- Up to 60% Fuel Savings
- 30–50% Lower Maintenance Costs
- Fast Charging: 0 to 100 percent in ~46 minutes
- Airtight, High-Efficiency Insulated Box
- Consistent Temperature Control

- Main Specs -

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



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HM4 BEVRF

Class 4 - Refrig Box Truck

GENERAL SPECIFICATIONS

GVWR	15750.00 lbs
Curb Weight	10200.00 lbs
Max Payload	5550.00 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

SUSPENSION & AXLES

Front Spring	48.43 × 2.95 × 0.39 in - 3 leaves
Rear Spring	51.18 × 2.95 × 0.39 in - 5 leaves

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

WHEELS & TIRES

Wheel Material	Aluminum
Tire Size	7.50R16LT 16
Rim Width	6.00 in
Tire Pressure	126.15 psi

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

Max Allowable (front)	7275.25 lbs
Front Single or Dual	single
Max Allowable (rear)	12786.8 lbs
Rear Single or Dual	dual

ELECTRICAL/MECHANICAL POWER TAKEOFF

Electric Power Extraction Quality	1.0
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BRAKES

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

HVAC / COOLING

Heating Type	Resistive Heat Strips
Refrigerant	R1234yf
Refrigerant Capacity	650

PERFORMANCE

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

REFRIGERATED BODY

Box Length	14 ft
Inner Height	86 in
Volume	553.5 ft ³
Side Wall Insulation	3.15 in
Floor Insulation	3.94 in
Min Temperature	-20 °C
Max Temperature	20 °C
Temperature Accuracy	2 °C
Rear Door Type	Double Swing
Side Door Type	Single Side Door
Liftgate Capacity	3306.93 lb

REFRIGERATION UNIT

Min Temperature	-25 °C
Max Temperature	20 °C
Applicable Volume Min	12 m ³
Applicable Volume Max	18 m ³
Cooling Capacity @ 0°C	4.9 kW
Cooling Capacity @ -20°C	2.7 kW
Compressor Displacement	34 cc/rev
Condenser Type	Parallel flow
Condenser Fan Count	2
Evaporator Type	Internal thread copper pipe aluminum fin
Evaporator Fan Count	2
Refrigerant	R404a
Refrigerant Charge	1.5 kg
Power Input	3.1 kW
Condenser Dimensions	1400×1224×482 mm

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

Pre-Order This Vehicle