



Stripped chassis suitable for upfit to walk-in van, RV, utility, etc.

Wheel base options of:
158", 178", 190", 208"

Gross Vehicle Weight Rating:
Class 4 Chassis: 16,000 lbs
Class 5 Chassis: 19,500 lbs
Class 6 Chassis: 26,000 lbs

Class 5 Chassis Estimated Range*:
70 KWh battery pack: 85 miles
105 KWh battery pack: 125 miles
140 KWh battery pack: 165 miles
175 KWh battery pack: 205 miles

Trailer tow capable
*Range varies by GVWR, body style, payload, drive cycle, and other factors



FORWARD THINKING TECHNOLOGY

A first-of-its-kind vertically-integrated EV platform introducing improvements in safety, driver experience, and vehicle operation tuned to the needs of commercial fleet operators and other medium-duty vehicle customers.

All for zero price acquisition premium over today's equivalent gas- and diesel-powered vehicles.

THE DRIVER EXPERIENCE

In order to revolutionize a technology that has been a burden on its drivers for decades, Harbinger has created a driver-focused chassis architecture designed to improve safety, driver experience, and productivity. The vehicles will feature autonomous-ready drive-by-wire steering and enhancements to vehicle ergonomics, including a best-in-class floor height below 28 inches, and a novel front suspension that reduces vehicle overhang.

Distributed By:

GATR EV
ELECTRIC VEHICLES
Electrifying the Future™

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Production Available Now!

harbingermotors.com

Harbinger is a commercial electric vehicle (EV) company on a mission to transform an industry starving for innovation. Harbinger's best-in-class team of EV, battery, and drivetrain experts have pooled their deep experience to support the growing demand for medium-duty EVs. Leveraging a foundation of proprietary, in-house developed vehicle technologies designed specifically for commercial vehicles, Harbinger is bringing a first-of-its-kind EV platform to market, priced for zero acquisition premium. Harbinger: familiar form, revolutionary foundation.

TECHNOLOGY

FRONT CORNER MODULE

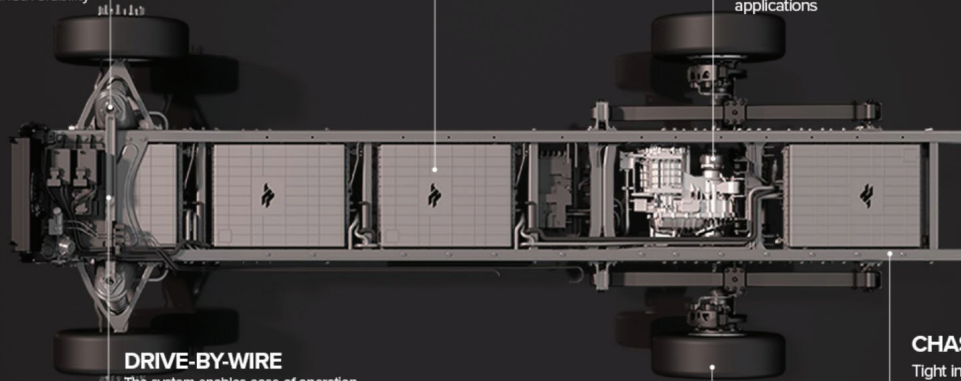
The novel fully-independent double-wishbone front suspension module reduces vehicle overhang, improving ride comfort and handling while enhancing driver visibility and vehicle maneuverability

BATTERY PACK

Scalable in 35 kWh increments to support the diverse needs of medium-duty vehicle customers, up to 140 kWh between frame rails with 1 hour DC fast charge

e-Axle

A proprietary drivetrain at the heart of the vehicle which combines the motor, inverter, and gearbox into an integrated unit with enough torque to support class 6 applications



DRIVE-BY-WIRE

The system enables ease of operation for the driver by reducing steering work load and facilitates integration of wide variety of safety features for the future

REAR AXLE ARCHITECTURE

Revolutionary drive axle architecture reduces mass and frees up critical packaging space for battery packs

CHASSIS FRAME

Tight integration of battery powertrain between 80 ksi steel frame rails allows for best in class floor height below 28 inches and durability to support a 20-year, 450,000-mile standard operating life

INNOVATIVE CHASSIS ARCHITECTURE

Harbinger's scalable stripped chassis has been built to support all of the popular medium-duty body types available today, including commercial walk-in vans, recreational vehicles, box trucks, and others. The front overhang is reduced by Harbinger's innovative independent front suspension, and the tight integration of battery, powertrain, and frame allows a best-in-class floor height. Steer-by-wire and brake-by-wire systems offer greater flexibility for driver positioning and prepares fleets for future innovations in autonomy and advanced safety.

- Forged steel independent double-wishbone front suspension
- Heavy-duty steer-by-wire actuator with 50-degree wheel angle
- Forged rear semi-live axle with full-floating wheel ends
- Front GAWR options: 6,000/9,000 lbs
- Rear GAWR options: 12,000/17,500 lbs
- High strength steel frame with forged motor cross member

e-AXLE

A unique 14-pole permanent magnet motor, power electronics, and gearbox package together with our first-of-its-kind rear axle to create a compact and durable drive unit, bringing improvements in energy efficiency, lower cost, and enhanced vehicle safety. This approach improves energy efficiency, lowers cost, and brings critical safety improvements by enabling the battery systems to be positioned entirely inside the frame. The drive unit is direct oil cooled and is designed to last 450,000 miles in commercial truck applications.

- Unique 14-pole motor combined with power electronics and gearbox
- Direct oil cooled
- 450,000 miles operating life
- Power: 350kW/470hp
- Output Torque: 18,500 Nm/13,700 ft-lb

BATTERY PACK

Harbinger's battery system operates at 800VDC and is liquid cooled and precisely managed for superior performance and durability, lower cost, and enhanced safety. The battery packs are fully protected by the vehicle frame and scalable in 35 kWh increments to economically support customer needs. Built with cutting edge casting technology, the battery system is the first of its kind engineered to meet the demanding commercial vehicle lifetime requirements.

- Usable energy capacity: 35 kWh
- Maximum System Voltage: 800 VDC
- Liquid cooled
- 21700 form factor lithium ion cells
- Monolithic die-cast aluminum alloy construction

