



## eCASCADIA

### Leading the Charge in eMobility

The Freightliner® eCascadia® delivers the outstanding performance and capability our customers expect in an emissions-free package they have been asking for. It's the result of our commitment to develop world-class, all-electric commercial vehicles that will reduce emissions and improve our customers' total cost of ownership (TCO).

As part of Daimler Trucks North America, Freightliner utilizes the global engineering expertise of Daimler to bring this practical, game-changing technology to market. Following a highly collaborative process with our customers, production of the eCascadia is set to begin late 2022. It will bring a clean commercial transportation solution to reality that will have a positive impact on our customers and the industry as a whole.

While its electric drive is revolutionary, its foundation is legendary. The eCascadia is built on North America's best-selling class 8 on-highway platform with millions of miles of proven performance. It has earned a reputation for efficiency and capability, making it the choice of drivers and owners who demand more for their money. The eCascadia does not disappoint.

|                 |                       |
|-----------------|-----------------------|
| Horsepower      | up to 470 hp (350 kW) |
| Typical Range   | 230 MILES*            |
| Usable Capacity | 291 kWh or 438 kWh    |
| Recharge        | 80% in ~90 min.       |

- Short-haul, last-mile logistics
- 82,000-lb. maximum gross combined weight
- Heavy-duty highway tractor designed for local and regional distribution and drayage
- Warehouse to warehouse
- Start of production is scheduled for late 2022 at our Portland Truck Manufacturing Plant which is a zero-waste-to-landfill facility and will be powered by 100% clean energy



# Freightliner eCascadia

| CLASSIFICATION                                | VEHICLE PLATFORM              | eCascadia   |   |  |
|---|-------------------------------|---|---|--|
|   | CLASS                         | C18   |   |  |
|   | WHEEL CONFIGURATION           | 4x2   |   | 6x4  |
| POWERTRAIN                                    | AVAILABLE POWER RATINGS       | Low: 320 HP<br>High: 395 HP   |   | Low: 425 HP<br>High: 470 HP  |
|   | USABLE BATTERY CAPACITY       | 291 kWh   | 438 kWh   | 438 kWh  |
|   | ELECTRICAL SYSTEM             | Nominal 400V H2B system   |   |  |
|   | PROPULSION SYSTEM             | Detroit eAxle single drive  |   | Detroit eAxle tandem drive   |
|   | CHARGING POWER                | Up to 180 kW  | Up to 270 kW  | Up to 270 kW   |
|   | CHARGING: CCS1 @ 200A (0-80%) | ~200 min  | ~300 min  | ~300 min   |
|   | CHARGING: CCS1 @ 400A (0-80%) | ~90 min   | ~150 min  | ~150 min   |
|   | CHARGING: CCS1 @ 600A (0-80%) | N/A   | ~90 min   | ~90 min  |
|   | GENERAL DIMENSION & WEIGHT    | LENGTH  | 273"  |  |
| WIDTH   |                               | 100.7"  |   |  |
| HEIGHT  |                               | With Roof Deflector: 157.4"<br>With Aero Roof Device: 116.2"  |   |  |
| WEIGHT  |                               | 16,350 lbs  | 18,750 lbs  | 21,800 lbs   |
| BBC   |                               | 116"  |   |  |
| WHEEL BASE                                    |                               | 166"  |   | 190"   |
| WHEEL CUT                                     |                               | 50 degrees  |   |  |
| TURNING RADIUS                                |                               | 265"  |   | 299"   |
| MAX GCW                                       |                               | 65,000 lbs  |   | 82,000 lbs   |
| CHASSIS                                       |                               | WHEEL RIM   | 22.5"   |  |
|   | TIRES                         | Size: 275/80 R22.5 Radial or Similar<br>Supported Brands: Michelin, Bridgestone, Continental, Goodyear, Hankook                 |   |  |
|   | HUBS                          | Conmet Preset Plus Premium Aluminum Hubs  |   |  |
|   | SUSPENSION                    | 12,500 lbs Front Air Suspension<br>21,000 lbs Rear Suspension   |   | 13,300 / 12,500 lbs<br>Front Air Suspension<br>40,000 lbs Rear<br>Suspension |
|   | BRAKES                        | Meritor Air Disk Brakes   |   |  |
|   | CHARGE PORT LOCATION          | Left Hand Side, Under Cab   |   |  |
|   | DISTANCE: NOSE TO CHARGE PORT | 10 ft 10 in   |   |  |
|   | PERFORMANCE                   | USE CASE  | Regional Haul, Drayage/Intermodal, Pick-up & Delivery, Last Mile, Food & Beverage, Hub to Hub |  |
| TOP SPEED                                     |                               | 65 mph; option for 70 mph   |   |  |
| TYPICAL RANGE                                 |                               | 155 miles<br>(291 kWh pack)   | 230 miles<br>(438 kWh pack)   | 220 miles<br>(438 kWh pack)  |
| GROUND CLEARANCE (APPROACH / DEPARTURE ANGLE) |                               | 9"  |   |  |
| OTHER   | SOP                           | Late 2022   |   |  |
|   | INTERIOR                      | Same as Cascadia, Full Digital Dual-Screen HMI, eTruck Trim / Details   |   |  |
|   | WARRANTY                      | Base (vehicle): 3 yr / 150k miles<br>Powertrain (291 kWh pack): 5yr / 150k miles<br>Powertrain (438 kWh pack): 5yr / 300k miles |   |  |



## Beyond Electric

eCascadia means business, but never at the expense of driver safety or comfort. Thorough and thoughtful features include a sloped hood for better visibility, an ergonomic wraparound dash, steering wheel and column with integrated controls and power adjustable seat. When you factor in industry-leading aerodynamics, a suspension that lowers at speed to reduce drag and the mere presence of the Freightliner badge, you get a truck that's the envy of the road.

## A Proven Manufacturer

At Freightliner, cutting-edge design, engineering and manufacturing is nothing new. We apply the same processes, skill and efficiencies in building our electric trucks as we do in producing our industry-leading heavy- and medium-duty commercial trucks in volume. With the largest dealer and service network in North America, we offer unparalleled access to parts, support and factory-trained technicians.