



## SEA-Drive® 120

*SEA ... the Future*

SEA-Drive® 120a is built on a cab/chassis platform with a GVM range from 6.5t lbs to 9t, and a 1,500 Nm electric motor. The 136 kWh battery pack option delivers class leading range of up to 350km\* and a typical break-even period of less than 4 years.

SEA-Drive® 120b is built on a cab/chassis platform with a GVM range from 9t to 14t, and a 2,500 Nm electric motor. The 136 kWh battery pack option delivers class leading range of up to 350km\* and a typical break-even period of less than 4 years.

# SPECIFICATIONS

## SEA-Drive® 120

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Powered by SEA-Drive® 120
Range: Up to 350km* (unladen)
Operating temperature range: -20°C to 50°C

### 100% Electric Power-System 120a

Type: AC Asynchronous Motor
Continuous power: 80 kW
Maximum power: 125 kW
Maximum torque: 1,500 Nm
Efficiency: 95% peak efficiency

### 100% Electric Power-System 120b

Type: Permanent Magnet AC Motor
Continuous power: 150 kW
Maximum power: 250 kW
Maximum torque: 2,500 Nm
Efficiency: 95% peak efficiency

### System Warranty

5 years for batteries <sup>#</sup>
Remaining system warranty same as OEM chassis <sup>#</sup>

### Charging

Standard charging using three-phase 32amp on board charger with 5 pin plug, up to 22kW
DC/DC converter is 3kW with 24V power supply
Charge Time: Approx. 6 hours to 80% charge
<i>Optional</i> Fast Charging System

### Batteries

136 kWh battery capacity
Life Cycle: Up to 10 Years
Cell Type: Lithium-Ion (LiNiMnCo <sub>2</sub> ) - Known as NMC
Energy Density: 127.7 Wh/Kg

### HVAC - Air Conditioning and Heating

Electric integrated HVAC System - 6.5 kW, HVDC powered
Electric PTC heater 6kW, HVDC powered

### Telematics SEA-Connect® *Optional*

Ability to provide vehicle and driver related data
Accessible via a secure telematics portal



Most Cost Effective Power-System in the World



Unique Mid Mounted Batteries for Safety & Dynamics



Adaptable to Most OEM Glider Platforms



Lower Maintenance & Operating Costs - No Fuel, Few Moving Parts



Zero Emissions - Reduce Your Carbon Footprint



Upgradable Plug and Play Architecture



Three-phase 32amp On Board Charger - the Biggest Charging Network In The World



Integration with Body Suppliers - 100% Electric Power to Operate Ancillaries



Powerful Handling with a Smooth Ride



Driver Comfort, Health & Safety - No Noise, No Fumes, No Heat

\*Range figures are intended for comparison purposes only and are based on unladen, cab chassis or van test drive conditions. Actual range achieved will depend upon a number of factors including load and body design, road conditions and topography, regenerative braking configuration and utilisation of electrical accessories.

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<sup>#</sup>Subject to conditions outlined in SEA Electric Warranty brochure. All SEA Electric warranties are subject to mandatory prescribed terms under the Consumer Guarantee Act (CGA) including customer guarantees. For more details visit the SEA Electric website which explains SEA Electric warranties in more detail.