BOAT LIFT

HANDLING AND LIFTING SYSTEMS

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Electric Range

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Strongly oriented toward the search for cutting-edge solutions in favour of sustainability, Boat Lift has designed a range of electric powered machines. So far the company has gained a pioneering role in designing zero impact solutions for the marine industry, where a considerable attention to ecosystem protection is growing. In response to customers, Boat Lift offers the **electro-hydraulic** and the **full electric** version of its products, presenting considerable advantages for safe and green operations.

Electro-hydraulic

MAIN FEATURES

- A **high-performance, automotive-derived electric motor** replaces the endothermic engine, delivering instant torque and superior reliability.
- **Hydraulic drives** are used for all motion and lifting, ensuring smooth, precise, and powerful operations.
- The liquid-cooled motor and inverter maximise power output while maintaining a **minimal footprint**, guaranteeing elevated and continuous performance.
- Electro-hydraulic solutions deliver zero CO_2 emissions and use **biodegradable hydraulic oil**, significantly reducing the overall environmental impact.

Full-Electric

MAIN FEATURES

- Hydraulic components are fully replaced with **electric drive units** managed by dedicated power **inverters**.
- Electric parts feature a **high IP protection** rating and are equipped with an integrated air-conditioning system to ensure **optimal operating temperatures** within the **control compartment**.
- Maintenance requirements and associated costs are substantially reduced by **eliminating hydraulic elements** such as pumps, filters, and hydraulic oil.
- **Environmentally sustainable solution** offering zero CO_2 emissions and silent operation.
- With the same battery capacity, the full electric system offers **higher efficiency**, resulting in an increased number of work cycles.

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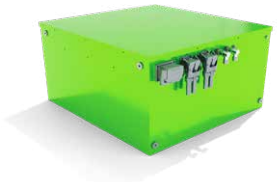
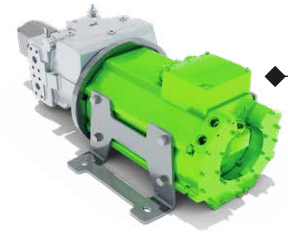
Travel lift

MAIN COMPONENTS



The **lithium battery** offers long-lasting performance and extended operating autonomy according to the expected work cycles. Its advanced temperature management system ensures reliable operation in extreme conditions, from −20°C to +50°C.



The **liquid-cooled electric motor**, driven by a **high-performance inverter**, delivers maximum power in a compact footprint, allowing flexible integration into various machine configurations.

The **onboard charging device** provides fast and efficient charging, significantly reducing downtime during operations. It also allows partial recharging without affecting battery lifetime, ensuring continuous availability of the machine.

	25-60 t	75-110 t	140-220 t	250-430 t	450-670 t	820-1200 t
Electric motor power (KW)	50	75	120	160	2x150	2x180
Battery voltage (VDC)	512	512	665	665	665	665
Standard battery capacity (KW)	50	100	150	200	2x150	2x200
Standard battery charger (KWh)	11	22	22	33	2x22	2x33
Charging time (h) (0-100%)	4,5	4,5	7	6	7	6
Runtime (h) *	10	10	7	4	4	2

* The cycle is calculated assuming average operating conditions, with lifts involving different loads and an average weight corresponding to 70% of the nominal capacity. A travel distance of 200 m per movement has been considered (50% loaded and 50% unloaded), on a level surface.

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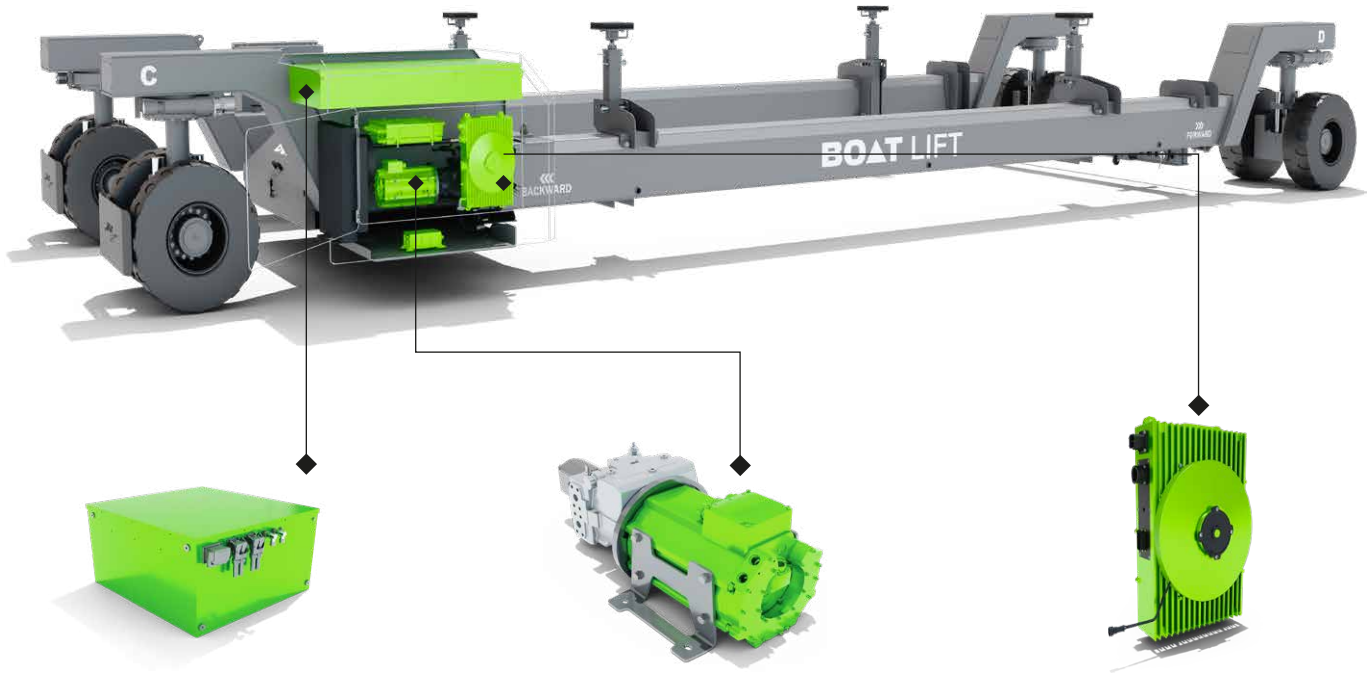
Trailer

MAIN COMPONENTS



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	15-70 t	90-140 t	160-200 t	240-300 t
Electric motor power (KW)	25	60	120	2x100
Battery voltage (VDC)	80	512	512	512
Standard battery capacity (KW)	25	50	100	150
Standard battery charger (KWh)	2,5	11	11	22
Charging time (h) (0-100%)	8	4,5	9	7
Runtime (h) *	10	10	7	4

*The cycle is calculated assuming average operating conditions, with lifts involving different loads and an average weight corresponding to 70% of the nominal capacity. A travel distance of 200 m per movement has been considered (50% loaded and 50% unloaded), on a level surface.