



CESAB B600 Series

Electric Forklift trucks 80V



100% performance, 0% emissions

The new CESAB B600 heavy duty electric forklift truck pushes boundaries in performance, energy consumption, stability and security. With a performance to rival the most powerful of machines, optional Li-ion technology allows opportunity charging during brakes, extending productivity beyond a typical 8-hour shift.

All new design

An open chassis design makes battery exchange easy and creates a much lower centre of gravity, for excellent stability. Residual capacities of the new CESAB B600 are over 40% higher than previous models.

Meeting all your needs

- Heavy duty design with 2.0 to 3.5 tonne loading capacities
- Two performance versions to suit every application
- IP54 protected for the roughest of applications (high performance version)
- ISD (Intelligent Safety Design) - our active safety system
- IMD (Intelligent Mast Design) - for superior visibility and durability
- Superior 360° all-round visibility
- A colour display integrated in the armrest provides information at a glance
- Low noise and vibration levels thanks to the floating cockpit
- New ergonomic armrest with redesigned hydraulic commands



ISD – Active Security System



IMD – Leading Mast Technology





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Comfort equals productivity

A workspace built around the operator

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A new mast, for high residual capacities. Better stability for more safety

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Comfort equals productivity

Ease of operation, everywhere

Each part of the driver compartment has been developed with the operator in mind, from a low, deep open step to a fully adjustable, floating driver compartment.



The cockpit has been designed for optimum driver comfort.

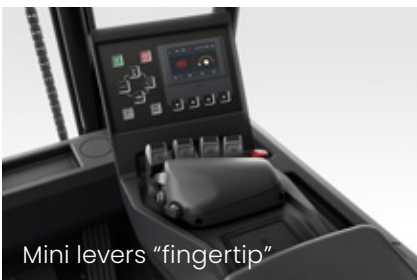
The driver compartment is totally separated from the chassis. Mounted on four full-suspension dampers, this separate chassis absorbs any vibrations or shocks, for maximum driver comfort and minimum fatigue.

Noise levels are also significantly reduced, thanks to a low noise hydraulic pump, standard on the high performance CESAB B600 version.

A noise level of only 64,9 dB(A) (EN12053), gives the CESAB B600 best in class noise levels.

Multiple choice

Operators can choose between three different hydraulic commands, perfectly integrated in a fully redesigned and adjustable armrest. Separated mini levers with a comfortable hand palm rest come as standard, with two double function joysticks or a single multi-function joystick available as options.



Mini levers "fingertip"



Two double function joysticks



Single, multi-function joystick

CESAB B600, higher grounds

Superior visibility and maximum safety

CESAB's specialist engineering and design team gave operators the key to safe and productive material handling when they invented **IMD (Intelligent Mast Design)** and **ISD (Intelligent Stability design)**.

Intelligent Mast design – mast masters

Two off-centre full free lift cylinders provide excellent operator visibility, allowing fast and accurate stacking operations and loading and unloading. The hoses for the third and fourth function are integrated into the mast to further optimise visibility as well as provide protection for the hoses.



The ISD mast is manufactured using an optimised welding process. This results in higher performance in terms of both longevity (less stress and wear on the mast), and durability (greater protection against damage due to overload). The hydraulic braking effect at lifting and lowering end stroke guarantees smoother operations and more comfort for the driver.

Intelligent Stability Design – Maximum safety as standard

Intelligent Stability Design monitors several truck parameters, allowing the driver to achieve optimum performance and productivity with maximum safety.



Front tilt angle control

By monitoring the weight of the load and lift height, this restricts the forward tilt when needed



Rear tilt speed control

This restricts the rear tilt speed depending on lift height



Automatic 0° tilt

A button on the tilt lever allows operators to easily position the mast in a perfectly vertical position



Key-Lift interlock

This locks all the hydraulic functions when the key is switched off



Rear axle stabiliser

For greater safety at speed or when steering around corners, the rear axle pivot can be locked for maximum lateral stability



Steering wheel synchronisation

Assures that the steering knob always is at the same spot, and shows the exact position of the steering wheels at start up

Man meets machine

A revolutionary interface



Optional touch screen

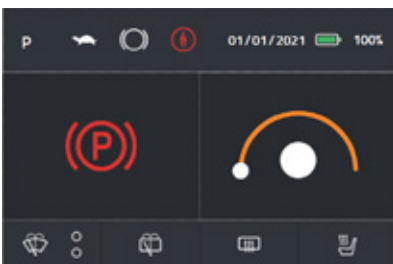


Standard display

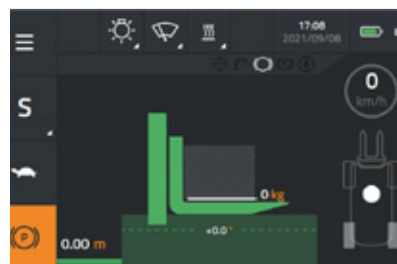
A standard screen is integrated in the armrest, giving drivers all important information at a glance.

An optional large, full colour touchscreen connects drivers to the CESAB B600 lift truck. Operators can personalise the truck to their driving needs and remain continuously aware of load handling thanks to constant updates from the display screen.

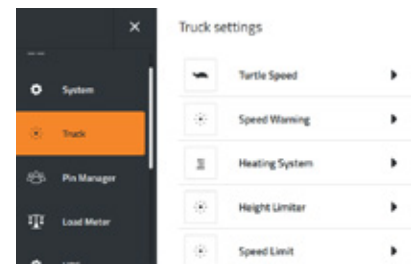
An intuitive and easy menu allows drivers to adjust the operation of the truck to their needs.



Standard information screen



Optional colour touchscreen



Truck setup menu

Non-stop availability

Zero emissions around the clock



With the CESAB B600 achieving zero emissions no longer requires compromising on performance. Even 24/7 material handling operations can now enjoy significantly lower energy costs with our all-electric CESAB B600 forklifts.

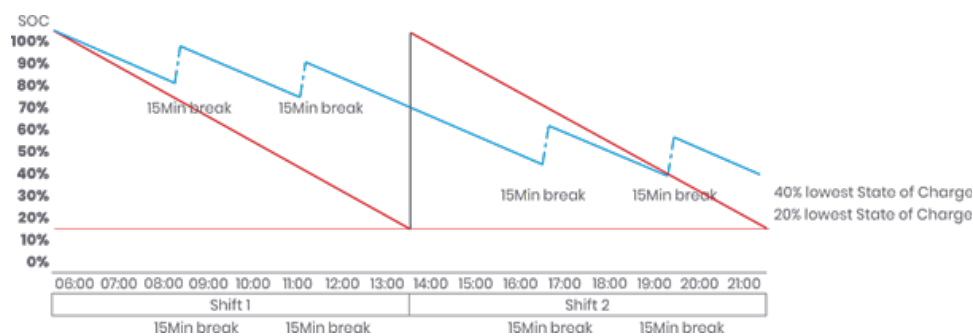


- **Li-ION opportunity charging**

With the option of the latest Li-ION technology from CESAB, trucks can be opportunity charged while operators enjoy their coffee or lunch break. Charging is as simple as plugging in an automotive-style charging connector.

The Li-ION charging port is mounted on the side panel, making connecting effortless.

Below diagram shows a lead-acid battery in red with a battery swap between shifts. The Li-ION battery is topped up at each break. A 15-minute break can add up to 25% capacity, enough power to go through the day. This illustration shows that opportunity charging can prevent the need of a second battery, and in many cases allows a smaller battery to be used.



- **Quick battery changes**

For applications where lead-acid batteries are used, batteries can be swapped in minutes thanks to the open chassis design of the CESAB B600.

The battery can be easily pulled out with an electric pallet truck or a second forklift.

Special, optional, battery stands are available for easy handling and placement of the battery near the charger when not in use.

Reach your potential

The new CESAB B600 was designed and developed to compete in the heaviest applications. This was not just about performance, but driver safety and ease of use too

The CESAB B600 offers several features that help operators to accomplish their tasks quickly, in maximum safety:



- **Optimised corner control**

Optimised corner control automatically adjusts drive speed by constantly measuring the steering angle. The higher the steering angle, the more the speed is lowered. Once out of a corner, the speed automatically increases in line with the reduction in steering angle.

This helps operators to approach corners quickly, while keeping themselves and their load safe.

- **Automatic speed reduction with load**

Optimised corner control can be enhanced with the speed reduction with load option. Depending on the load and the lift height, the CESAB B600 automatically reduces its drive speed and acceleration. This option allows the driver and truck to deliver maximum performance safely.

- **Automatic park brake**

The parking brake applies automatically as soon as the truck stops, and disengages immediately when the driver chooses a drive direction and uses the accelerator pedal. This prevents the truck from rolling back on ramps or slopes when the accelerator is not engaged.

By using a button integrated in the display drivers can apply the brake manually.



- **Enhanced 360° visibility**

The fastest truck cannot perform if the operator's view is obstructed. Several areas around the mast have been improved to give operators an optimal view of the load and working environment:

- IMD masts with two offset free lift cylinders offer a large viewing window
- The optimised position of the streamlined cross bars improves visibility, especially at lorry bed height
- A thin bar-type roof with angled front bar allows easy stacking at height
- The dark grey coloured roof and pillars are easier on the eyes and allow a better view of the work environment

Design your CESAB B600

We believe that the CESAB B600 is not only the best 80V electric forklift on the market, but also the most adaptable. Our multiple options are designed to meet the needs of most applications.



Rear-view camera

For even better security, the CESAB B600 can be equipped with a rear-view camera. In combination with the optional colour touch screen, the rear-view is shown on the screen as soon as the driver chooses the reverse drive direction.

Transparent overhead guard

Our transparent overhead guard further optimises visibility. A double layer of laminated tempered glass is thick and strong enough to assure driver safety.

E-Bar

The E-Bar is a universal rail (580mm) that can receive multiple accessories to adapt the CESAB B600 to your specific application. With the available ball-joints, you can attach a support for PC or TC, a scanner mount, a small item holder and many more. The driver will be perfectly organized to do his easily and with maximum performance.



Let there be lights

The CESAB B600 can be equipped with many different optional light kits to enhance visibility:

- LED front and rear combination lights
- LED head lights
- Single or double rear LED working lights
- Additional LED lights on the mast (at driver's eye height)
- Blue LED warning lights in front or on the back
- Orange flashing or rotating beacon

Weather protection

As the CESAB B600 is designed for heavy use inside and out, different weather protection options are available.

- Protection on top of the roof
- Front windshield and protection on roof
- Cabin without doors or with foldable canvas doors
- Complete steel cabin

There are several additional enhancements available like an integrated heater in the right driver compartment panel, a DAB radio (in combination with the touch screen option) or a Grammer MSG75 seat with pneumatic suspension, fabric or vinyl covered.



CESAB B600 forklift trucks

the complete package

CESAB's commitment to creating superior products is matched by its drive to deliver unrivalled service and support. Every CESAB customer benefits from a nationwide network of local dealerships.

Your local CESAB dealer provides a personalised, local service tailored to the specific requirements of your business.

They will advise on the best choice of equipment to meet your materials handling needs, and on the many options for tailoring your forklift to the unique demands of your working environment.

Buying a CESAB B600 forklift is only the beginning of the support from your nearest dealer, with experienced and fully qualified service engineers only a local call away.

The on-board diagnostics system and easy access design of the B600 range makes servicing quick and easy



Our service engineers carry all major service parts in their vans, ensuring minimal disruption to your business.

At CESAB we believe we offer our customers a complete package of the best equipment and the best support. To experience it for yourself call your local CESAB dealership today.

CESAB B600 forklift trucks



A complete range

CESAB B600 forklift truck range



ISD – Active Security System



IMD – Leading Mast Technology



B620
2,0t @ LC 500



B625
2,5t @ LC 500



B625L
2,5t @ LC 500



B625HL
2,5t @ LC 600



B630
3,0t @ LC 500



B630L
3,0t @ LC 500



B630HL
3,0t @ LC 600



B635
3,5t @ LC 500

MODEL		CESAB B620	CESAB B625	CESAB B625L	CESAB B625HL	CESAB B630	CESAB B630L	CESAB B630HL	CESAB B635
Nominal Capacity	kg	2000	2500	2500	2500	3000	3000	3000	3500
Load Centre	mm	500	500	500	600	500	500	600	500
Available Mast Types		Duplex with standard free lift, Duplex with full free lift, Triplex with full free lift – centred free lift cylinder Duplex with standard free lift, Duplex with full free lift (IMD), Triplex with full free lift (IMD) – wide view, offset free lift cylinders							
Max. Lift Height	mm	6500	6500	6500	6500	6500	6500	6500	6500
Travel Speed (Standard) with/without load	km/h	16,0/16,0	16,0/16,0	16,0/16,0	16,0/16,0	16,0/16,0	16,0/16,0	16,0/16,0	16,0/16,0
Travel Speed (High performance) with/without load	km/h	19,0/20,0	19,0/20,0	19,0/20,0	19,0/20,0	19,0/20,0	19,0/20,0	19,0/20,0	19,0/20,0
Lifting Speed (Standard) with/without load	m/s	0,43/0,60	0,38/0,60	0,38/0,60	---	0,34/0,52	0,34/0,52	---	---
Lifting Speed (High performance) with/without load	m/s	0,46/0,63	0,46/0,63	0,46/0,63	0,40/0,55	0,40/0,55	0,40/0,55	0,40/0,55	0,37/0,55
Lowering Speed with/without load	m/s	0,56/0,45	0,56/0,45	0,56/0,45	0,56/0,45	0,56/0,45	0,56/0,45	0,56/0,45	0,56/0,45
Turning Radius	mm	2025	2025	2175	2175	2038	2175	2200	2200
Drive Motor (standard)	kW	16,1	16,1	16,1	16,1	16,1	16,1	---	---
Drive Motor (high performance)		21,4	21,4	21,4	21,4	21,4	21,4	21,4	21,4
Lift Motor (standard)	kW	17,3	17,3	17,3	---	17,3	17,3	---	---
Lift Motor (high performance)		16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7

Your authorised CESAB dealer

complete
MATERIAL HANDLING

Tel: 0191 271 0899
www.completemh.co.uk

Pictures may show optional equipment or accessories not included in the standard execution of the truck

The data in this document was determined based on our standard testing condition.

Operating performance may vary depending on the actual specification and condition of the truck as well as the condition of the operating area.

Availability and specifications are determined regionally and are subject to change without notice. Please consult your authorised CESAB dealership for further details.
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