



CESAB B800 Series

Heavy Duty Electric Forklift trucks 80V



Clean, quiet, and hard working

The new CESAB B800 brings class leading manoeuvrability and productivity to high-capacity material handling operations, inside and out.

Peaceful power

With a lift capacity of up to 8.0 tonnes at 900 mm load centre, the CESAB B800 series is suited to heavy duty applications such as manufacturing, builders' merchants and general construction. Clean and quiet operation also makes the CESAB B800 the ideal truck for industries such as food, beverage and paper.

The all-round superior performance of the B800 range is complemented by its superior build quality and reliability. This delivers productive materials handling and profitability.

Meeting all your needs

- Heavy duty design with 6.0 to 8.0 tonnes at LC 900 load capacity
- Floating cockpit for minimum vibrations and noise - and maximum driver comfort
- High drive and lift speeds for superior throughput
- ISD (Intelligent Safety Design) active safety system
- Regenerative braking system for extended working shifts
- Lead-acid and in-house manufactured Li-ion power packs to suit any application
- Superior, 360° all-round visibility
- Open chassis design for fast and effortless battery changes
- Sealed drive train with wet, virtually maintenance free, disk brakes allows operations in the toughest of applications
- Automatic parking brake for perfect control on ramps and slopes



ISD – Active Security System



IMD – Leading Mast Technology





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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 low and deep open steps to a fully adjustable driver compartment.



Every aspect of the cockpit has been designed for optimum driver comfort and productivity.

The operator compartment is totally separated from the chassis. Mounted on four full-suspension dampers, the shocks and vibrations of the chassis are absorbed to make sure the driver experiences maximum comfort and minimal fatigue.

As well as reducing vibrations, this system also lowers sound levels significantly. With a noise level at drivers' ears of below 66 dB(A) (EN12053), the CESAB B800 is one of the quietest in its class.

A comfortable and fully adjustable seat makes work easier and less tiring. An optional MSG 75 seat is available with pneumatic suspension. Both seats can be ordered with vinyl or fabric clothing.

Multiple choice

The driver can choose between three different hydraulic commands, perfectly positioned for easy and fast material handling. The standard easy to use mini levers are ergonomically positioned on a fully adjustable armrest. Options include two, double function joysticks or a single multifunction joystick with all functions concentrated on one handle.



Grow your potential

Performance, safety, and ease of use

The CESAB B800 was designed and developed to deliver high performance, driver comfort and ease of use in the most demanding applications



- **Optimised corner control**

Optimised corner control automatically reduces the drive speed by constantly measuring the steering angle. The higher the steering angle, the more the drive speed is reduced. Coming out of the corner, the speed automatically increases.

This feature allows the driver to safely use the full potential of the CESAB B800.

- **Automatic speed reduction with load**

Optimised corner control can be enhanced with the speed reduction with load option. Depending on load and lift height, the CESAB B800 automatically reduces its drive speed and acceleration so that the driver and truck can deliver maximum performance safely.

- **Automatic parking brake**

The parking brake applies automatically as soon as the truck stops, and it disengages immediately when the driver chooses a drive direction and hits the accelerator pedal. This means that when the truck is on a ramp or slope it will not roll back unless the accelerator is applied.

Drivers can use a button on the display to apply this brake manually.



- **Operator Presence Sensing (OPS)**

The OPS system monitors the operator's presence. When the driver is seated and the seat switch is closed, OPS releases the truck for the driver to operate as usual. Once the operator leaves their seat, all hydraulic and drive functions are locked.

The OPS system keeps the truck and its environment safe when the driver is not present by blocking all functions and applying the automatic parking brake. This prevents unintended movements of the truck or its load.





**100% productive -
All day, every day.**

The safety-first CESAB B800

Making security our biggest priority

In the design and development of the CESAB B800 range, we introduced active and passive safety measures to help prevent and minimise accidents.

Active safety – 360° Visibility

Visibility is key to effective operation. From wide positioned front roof pillars, a low dashboard and a neutral dark grey colour that does not distract the eyes, to clear view masts and a rounded counterweight, everything has been designed for optimal all-round visibility.



Active safety – Speed limitation

In restricted areas, the truck administrator can set a drive speed limit or an overspeed alarm. The speed limitation reduces maximum drive speed, while the overspeed alarm doesn't limit the drive speed but uses a buzzer to warn the drivers if they exceed a pre-set limit.

Active safety – Intelligent Stability Design



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



Front tilt angle control

Depending on the weight of the load and the lift height, restricts the forward tilt as needed



Key-lift interlock

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



Automatic 0° tilt

A button on the tilt lever allows the driver to easily position the mast in a perfect vertical position



Steering wheel synchronisation

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



Rear tilt speed control

This restricts the rear tilt speed depending on the lift height



Hydraulic rear axle lock

If the truck becomes unstable during a turn, the patented swing lock cylinder automatically locks the rear axle to increase the truck's stability. This reduces the risk of a sideways tip-over

Non-stop availability

Zero emissions around the clock



With the CESAB B800, zero emissions no longer mean compromised performance. Even 24/7 material handling operations can enjoy significantly lower energy costs with our all-electric CESAB B800 forklifts.

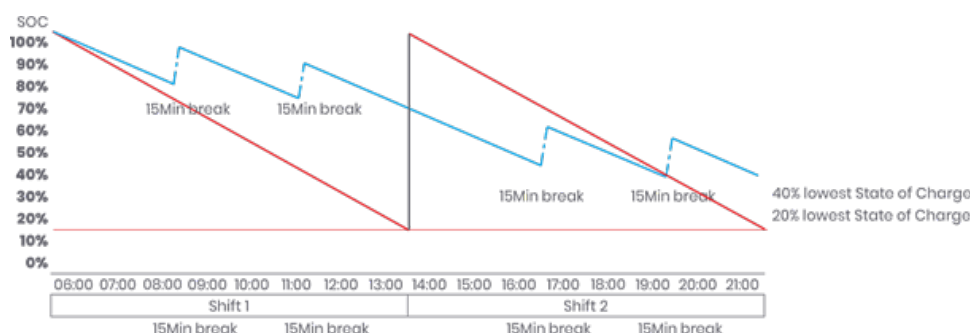


- **Li-ION opportunity charging**

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

The charging port is mounted on the side panel, making connection effortless.

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



- **Quick and easy battery changes**

For applications where lead-acid batteries are in use, batteries can be swapped in minutes thanks to the open chassis design of the CESAB B800. The battery can be easily pulled out with a special designed powered pallet truck (CESAB P334BE) or a second forklift.

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



CESAB B800 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 you 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 B800 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 B800 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 B800 forklift trucks

Build to last...

The CESAB B800 range offers maximum durability



Protected drive unit – The transaxle is installed in a protective, sealed casting bridge, which protects the axle from dirt, dust or humidity and allows the CESAB B800 to work in the toughest conditions.



Forced drive unit cooling – The well protected transaxle has ideal cooling provided by brushless fans. Depending on the temperature, these pull sufficient air through the axle to keep the motor temperature at a low level. The 190 μm air filter prevents particle entry. This high cooling capacity ensures outstanding performance and longevity even in the most challenging conditions.



Oil cooled disk brakes (OCB) – The highly durable braking system needs little or no maintenance. Even under harsh conditions or constant braking, the braking force does not decrease, with braking performance not influenced by environmental or weather conditions.

A complete range

CESAB B800 forklift truck range

isd

ISD – Active Security System



B860
6,0t @ LC 600



B870
7,0t @ LC 600



B880
8,0t @ LC 600



B880H
8,0t @ LC 900

MODEL		CESAB B860	CESAB B870	CESAB B880	CESAB B880H
Nominal Capacity	kg	6000	7000	8000	8000
Load Centre	mm	600	600	600	900
Available Mast Types	Duplex with standard free lift, Duplex with full free lift, Triplex with full free lift				
Max. Lift Height	mm	7000	7000	7000	7000
Travel Speed with/without load	km/h	18,0 / 20,0	18,0 / 20,0	17,0 / 19,0	16,0 / 18,0
Lifting Speed with/without load	m/s	0,38 / 0,48	0,36 / 0,48	0,32 / 0,42	0,32 / 0,42
Lowering Speed with/without load	m/s	0,55 / 0,45	0,55 / 0,45	0,55 / 0,45	0,55 / 0,45
Turning Radius	mm	3005	3005	3005	3111
Drive Motor	kW	2 x 21,2	2 x 21,2	2 x 21,2	2 x 21,2
Lift Motor	kW	32,0	32,0	32,0	32,0



CESAB Europe renewed its entire electric counterbalance range in 2022



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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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