

# CESAB B800 6.0 - 8.5 tonne

Electric Powered Forklift



Heavy duty productivity



**CESAB**  
another way



## Cleaner, quieter and even harder working

- *Load capacities from 6.0 up to 8.5 tonnes*
- *High capacity dual battery design*
- *Powerful 80 volt motors deliver high productivity*
- *Industry leading CESAB mast technology delivers unrivalled visibility*

The CESAB B800 brings class leading manoeuvrability to high capacity materials handling applications - both indoors and out.

With a lift capacity of up to 8.5 tonnes the CESAB B800 range is ideal for heavy duty applications such as the manufacturing sector, building merchants and general construction, whilst its clean and quiet operation also makes it suitable for paper handling and the drinks industries.

A dual battery design of up to 1250 A/h reduces the truck dimensions without compromising performance or battery cycle times. The dual battery design also allows a larger operator area, allowing

easy entry and exit as well a more comfortable working environment.

CESAB's unique IMD mast technology provides industry leading levels of visibility and performance. This not only facilitates faster stacking and manoeuvring in tight spaces, it also helps to enhance safety and fewer damaged loads. Together these allow the CESAB B800 to deliver higher productivity levels in spaces usually restricted to a much smaller forklift.

The all round superior performance of the CESAB B800 range is complemented by its superior build quality and reliability. So not only will you enjoy a productive materials handling operation, you'll also enjoy a profitable business.



### Lateral battery extraction

For multi-shift operations, lateral battery extraction allows quick and easy battery change, optimising the truck's productivity and the profitability of your business.



### Ergonomic controls

The proportional electronic controls allow the operator to intuitively manage all the hydraulic functions by simply moving the fingertip levers or optional mini-joystick.



### Greater comfort and accessibility

The dual battery design allows for a spacious operator cabin that can be easily accessed from either side of the truck.



### Operator Smart Control

Operator Smart Control allows the performance of the truck to be tailored to an individual operator's ability or to a particular task.

## Designed for your business

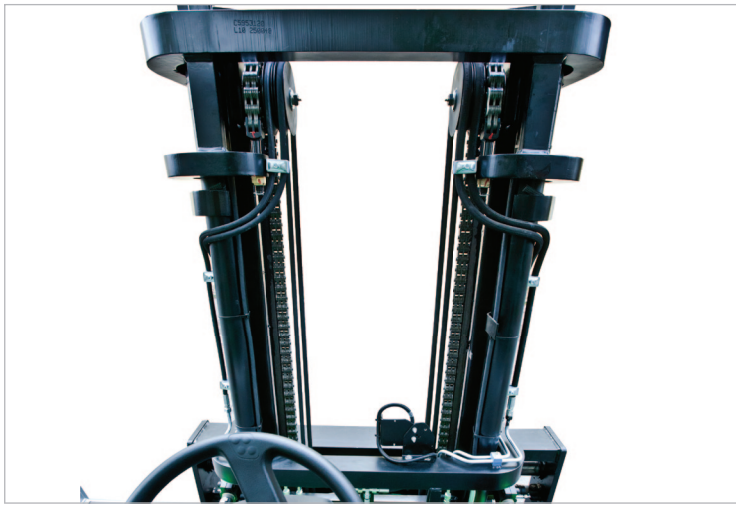
At the heart of the CESAB B800 are powerful 80-volt motors and a high capacity battery. CESAB's Operator Smart Control (OSC) allows you to tailor the power output to the job at hand, ensuring high productivity for longer by optimising battery charge cycles. A regenerative braking system feeds power back into the battery when the operator takes their foot off the accelerator pedal, further reducing energy consumption to make effective use of working time. And when it does come time to exchange batteries, the lateral battery extraction system ensures minimum disruption to your materials handling.

Oil bath multi-disc brakes provide powerful and progressive stopping power even

when fully loaded. CESAB's anti-roll back function helps enhance ramp performance, allowing the operator to concentrate on loading and unloading.

The high driving position of the CESAB B800 range provides an excellent all round view. This is complemented by the industry leading levels of visibility provided by CESAB's unique mast technology, ensuring that class leading performance is delivered safely as well as efficiently.

- *80-volt AC power system for higher performance*
- *Anti-roll back function for improved safety on ramps*
- *Operator Smart Control allows performance to be tailored to the operator or specific application*
- *High driving position for superior visibility*



### Superior visibility

Two full free lift (FFL) cylinders provide excellent operator visibility, allowing fast and accurate stacking operations as well as loading and unloading. The 3<sup>rd</sup> and 4<sup>th</sup> ways are integrated into the mast to further optimise visibility as well as providing protection to the hoses.



### High strength, higher performance

The 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).



### Reduced noise and vibration, more comfort

A hydraulic brake effect at lifting and lowering end stroke makes for smoother operation. This contributes to stability and a more comfortable working environment. Two FFL cylinders reduce vibration compared to single cylinder designs.

## Industry leading mast technology

- *Industry leading visibility*
- *Strength and performance combined*
- *Reduced noise and vibration*
- *Lower maintenance*

Mast development is an integral part of the CESAB design process and we work in close partnership with specialist mast designers at our mast factory. The CESAB B800 equipped with Intelligent Mast Design (IMD) offers industry leading levels of visibility providing enhanced productivity and durability in the process.

But IMD is not just about better visibility, a patented 'Double C' mast profile is exclusive to the CESAB range and delivers strength and stiffness. The direct benefits to your business are better productivity through reduced cycle times and great durability thanks to the mast strength.

Machined mast profiles have less play, meaning less wasted energy and less wear and tear, and also allow for the use of 'maintenance free' bearings contributing to the lower lifetime costs.

By creating short mast profiles the CESAB B800 is shorter in length and utilises a lighter counterweight for reduced truck weight.

Adjustable rollers pads allow for quick and easy maintenance, improving uptime and reducing maintenance costs.



## Built to the highest standard

- *Manufactured using the renowned TPS\**
- *On board diagnostics help reduce maintenance time*
- *Robust metal panels for durability*
- *Designed for easy servicing*

The CESAB B800 range is manufactured using the world renowned TPS. This not only ensures the quality standards, it helps reduce environmental impact through the use of waste free production techniques.

From the manufacture of individual components to final assembly, the CESAB B800 range embodies a philosophy of uncompromising quality. Strategic use of metal panels means the CESAB B800 range offers high levels of durability where you need it without being excessively heavy and compromising performance.

Serviceability is an important consideration and in the unlikely event of a fault the onboard diagnostics system provides

service engineers with fault codes, helping to reduce service times.

Access to all major components is quick and easy, helping to reduce service times and ensure that your business benefits from excellent uptime.



CESAB B860



CESAB B870



CESAB B885

## Truck Specifications

Model	CESAB B860	CESAB B870	CESAB B885
Power unit	Electric	Electric	Electric
Load capacity Q [t]	6.0	7.0	8.5
Load centre c [mm]	600	600	600
Lift height $h_3$ [mm]	3150	3150	3150
Travel speed, with/without load [km/h]	14/16	14/16	13.5/16
Lifting speed, with/without load [m/s]	0.32/0.42	0.27/0.40	0.24/0.32
Turning radius $W_a$ [mm]	3194	3194	3255

### Experience the benefits for yourself

So why choose a CESAB B800? If you're looking for a manoeuvrable high capacity truck that gets the job done, the CESAB B800 is the right forklift for your business.

To arrange a demonstration of a CESAB B800, simply contact your local CESAB dealership and discover for yourself how you no longer need to choose between manoeuvrable or productive. You can have them both.





The data in this brochure was determined based on our standard test conditions. 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 subject to change without notice. Please consult your authorised CESAB dealership for further details. BR\_B800\_EN\_2012 / BR\_E\_B800\_V14. Copyright © CESAB, Marostica (VI) Italy.

