

# CESAB B300/B400 1.5 - 2.0 tonne

Electric Powered Forklifts 3 - 4 wheels



**Compact and powerful**







## Class leading manoeuvrability enhances productivity

- *Load capacities from 1.5 up to 2.0 tonnes*
- *3 or 4 wheel compact chassis configurations*
- *Powerful 48 volt motors deliver high productivity*

With the 3 wheel CESAB B300 and 4 wheel CESAB B400 forklifts you no longer have to make the choice between manoeuvrability or performance. You can have them both. Boasting powerful 48 volt AC motors the CESAB B300 and CESAB B400 deliver exceptional performance that helps you enhance productivity.

High performance is complemented by a compact design which, thanks to a shorter chassis and smaller steering tyres, means the CESAB B300 and CESAB B400 offer exceptional manoeuvrability even in narrow spaces.

Of course, productivity also depends on the operator and the CESAB B300 and CESAB B400 offer excellent comfort and visibility thanks to a new cab and overhead guard design, along with a choice of industry leading new generation masts.

## Choice of 3 or 4 wheel configurations

With a choice of 3 or 4 wheel configurations there is a CESAB B300 and CESAB B400 48 volt forklift to suit the demands of every business.



## Ergonomic controls

Standard equipment 3 or 4 lever controls are complemented by mini-lever or joystick options for higher intensity operations.



## Keep on working, shift after shift

Shift changeovers needn't be delayed by time consuming battery changes. The standard fit side-extraction battery moves out with minimal effort so you can optimise productivity.



# A truck tailored to your business

Whether your business involves narrow aisle racking, high intensity loading bay operations or a combination of both, there is a 3 wheel CESAB B300 or 4 wheel CESAB B400 compact 48 volt forklift that will help you achieve excellent productivity.

The 3 wheel CESAB B300 offers excellent manoeuvrability, making it the ideal choice for indoor or outdoor applications such as retail units, warehousing or storage yards where a tight turning radius is a necessity. The CESAB B400 offers higher travel speeds and a four wheel chassis that ensures excellent stability for high level loading, or operation on uneven surfaces.

Both the CESAB B300 and CESAB B400 are available with a comprehensive range of options that let you further tailor the performance of the truck to the specific demands of your business. Options include mini-lever controls, joystick, double foot pedal controls or a balanced pedal system, along with a choice of textile and heated seats.

Multi-shift operations benefit from the standard fit side-extraction battery change for quick and effortless turnaround at the end of each working shift, helping reduce maintenance time.

- *Class leading manoeuvrability*
- *Standard side-extraction battery change allows excellent uptime*
- *Comprehensive range of options to tailor performance to the specific demands of your business*





## Industry leading visibility enhances productivity

- *Lift heights of up to 7470 mm*
- *New generation duplex or triplex mast designs offers improved forward visibility*
- *All new cab and overhead guard design provide superior all round visibility*

The CESAB B300 and CESAB B400 are available with a choice of excellent visibility and smooth operating duplex masts or a new generation of triplex masts with double free lift cylinders, which, complemented by the lower dashboard, ensure superior forward visibility. Such innovative features help the CESAB B300 and CESAB B400 carry out quicker, more accurate stacking operations and ensure fewer damaged loads.

The overhead guard, too, has been engineered to offer the operator excellent visibility when handling loads at height without compromising on operator protection. Together these improvements

provide for quick and accurate pallet handling at both ground level and with the forks raised, helping to reduce cycle times.

The new generation masts and a completely new cabin design help reduce vibration, allowing CESAB's designers to engineer a truck that delivers greater operator comfort. This helps reduce operator fatigue, allowing you to sustain excellent productivity throughout a working shift without compromising safety.



### A better view of the forktips

A combination of a new, lower dashboard, excellent driving position and new generation masts combine to offer a class leading view of the forktips.



### Excellent visibility

A new overhead guard delivers optimum visibility without compromising operator protection.



### Light and tough, the ideal combination

Strategic use of metal panels means extra durability where you need it and less weight where you don't need it.



### Energy saving components mean slower battery discharge

LED lights, no electric fan and a regenerative braking system all help reduce energy consumption and help you get more from each battery charge.

## Fewer components means increased reliability

The high performance of the CESAB B300 and CESAB B400 range is matched by excellent reliability. By paying attention to the smallest details CESAB's engineers have created a range of trucks that not only deliver these high levels of reliability, but also require less maintenance.

Brushless AC motors require less servicing and deliver smoother, faster travel and lifting speeds that help you reduce cycle times. By eliminating the need for an electric cooling fan CESAB's designers have enhanced reliability, helped to reduce noise and increased comfort, helping to reduce operator fatigue and so improve productivity.

No electric cooling fan also means reduced energy consumption, allowing longer battery life and hence greater productivity. Battery life is further enhanced by the optional LED lights and a regenerative braking system that automatically recycles kinetic energy back into the battery.

New software controlling the CESAB B300 and CESAB B400 delivers smoother operation all round, from acceleration to changes of direction. The new software also tailors the performance of the truck to suit the weight of the load and battery charge, helping to ensure you benefit from excellent performance time after time.

- *Excellent uptime, less maintenance*
- *No electric cooling fan helps reduce noise and energy consumption*
- *Brushless AC motor requires less maintenance*





## Built to the highest standard

- *Manufactured using the renowned Toyota Production System*
- *On board diagnostics help reduce maintenance time*
- *Metal panels for greater durability*
- *Designed for easy servicing*

The CESAB B300 and CESAB B400 are manufactured using the world renowned Toyota Production System (TPS). This not only ensures the highest 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 B300 and CESAB B400 embody a philosophy of uncompromising quality. Strategic use of metal panels means the CESAB B300 and CESAB B400 offer 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 up-time.



## All the information you need – at a glance

Operation of the multi-function display is quick and simple to learn, while the easy to read display provides the operator with key information including:

- *Battery discharge level*
- *Selected power mode*
- *Digital speedometer*
- *Turtle (low speed) setting*
- *Steering wheel indicator*
- *Parking brake indicator*



## More control means greater performance

With the CESAB B300 and CESAB B400 all of the truck's functions are managed through a new multifunction display, including keyless ignition that helps eliminate down-time due to lost or broken keys. Up to 40 PIN codes are available for each of 15 driver profiles so performance can be tailored to the skill and experience of each individual operator.

- *Multifunction display allows PIN code access and performance tailored to an individual operator's skill level*
- *Keyless operation from multi-function display achieves excellent security*





## More comfort all round

- *CESAB mast technology provides smoother lifting and lowering with less vibration*
- *Choice of seats to provide increased comfort*
- *Reduced vibration helps reduce operator fatigue*

With a completely new spacious cabin design the CESAB B300 and CESAB B400 offer increased operator comfort. Increased comfort for the operator helps to reduce fatigue, improving productivity.

Noise and vibration have been reduced, while a new improved driving position places the controls within intuitive reach of the operator as well as achieving excellent all round visibility both while manoeuvring and loading and unloading. An optional new powerful heating system is available, for further operator comfort.

The CESAB B300 and CESAB B400 come with a hard wearing vinyl semi-suspension seat as standard. A cloth covering is available on the Privilege and heated Elite seat options, as well as the option of an adjustable back rest and folding arm rests.





## Ergonomic design for effortless operation

The comfort of the CESAB B300 and CESAB B400's new cabin design is complemented by excellent ergonomics. A low and wide step make entry and exit effortless and once inside all the controls that the operator needs fall readily to hand.

The CESAB B300 and CESAB B400 are equipped with a choice of 3 or 4 lever controls as standard or the option of fingertip or mini-joystick controls. A small diameter steering wheel improves cabin space and allows effortless manoeuvring in even the tightest spaces.

Pedals in the CESAB B300 and CESAB B400 are all mounted at equal height from the floor pan for easier operation, achieving excellent comfort and safety. The standard single pedal configuration is complemented by the option of double pedal controls or the balanced pedal system. When the operator lifts their foot off the accelerator the truck automatically brakes smoothly to a halt effortlessly.

- *Easy access design*
- *Choice of 3 or 4 standard lever, fingertip or mini-joystick controls*



### 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 B300 and CESAB B400 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 B300 and CESAB B400 are shorter in length and utilise a lighter counterweight for reduced truck weight.

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





CESAB B315 - B320



CESAB B415 - B420

## Truck Specifications - 3 wheel

Model	CESAB B315	CESAB B316	CESAB B316L	CESAB B318	CESAB B318L	CESAB B320
Power unit	Electric	Electric	Electric	Electric	Electric	Electric
Load capacity Q [t]	1,5	1,6	1,6	1,8	1,8	2,0
Load centre c [mm]	500	500	500	500	500	500
Lift height $h_3$ [mm]	3170	3170	3170	3170	3170	3170
Travel speed, with/ without load [km/h]	16/16	16/16	16/16	16/16	16/16	16/16
Lifting speed, with/ without load [m/s]	0,4/0,6	0,4/0,6	0,4/0,6	0,4/0,6	0,4/0,6	0,4/0,6
Turning radius $W_a$ [mm]	1451,5	1534,5	1642,5	1559,5	1642,5	1667,5

## Truck Specifications - 4 wheel

Model	CESAB B415	CESAB B416	CESAB B416L	CESAB B418	CESAB B418L	CESAB B420
Power unit	Electric	Electric	Electric	Electric	Electric	Electric
Load capacity Q [t]	1,5	1,6	1,6	1,8	1,8	2,0
Load centre c [mm]	500	500	500	500	500	500
Lift height $h_3$ [mm]	3170	3170	3170	3170	3170	3170
Travel speed, with/ without load [km/h]	19/19	19/19	19/19	19/19	19/19	19/19
Lifting speed, with/ without load [m/s]	0,4/0,6	0,4/0,6	0,4/0,6	0,4/0,6	0,4/0,6	0,38/0,6
Turning radius $W_a$ [mm]	1616	1719	1823	1719	1823	1823

## Experience the benefits for yourself

So why choose a CESAB B300 or CESAB B400? Quite simply because you're in the business of getting excellent productivity at all times.

To test drive a CESAB B300 or CESAB B400 for yourself, simply contact your local CESAB dealership and discover for yourself how you no longer need to choose between compact or powerful. You can have them both.



The data in this specification sheet was determined based on our standard testing conditions. Operating performance may vary due to changes in the operating environment, load capacity, or other factors. CESAB forklifts are designed to meet the requirements of the specifications and are subject to change without notice. Please consult your authorized CESAB dealer for further details B300/400\_EN\_2013 / P&B B300/400 V7 - Copyright CESAB Material Handling Europe.

