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CESAB B600 2.0 – 3.5 tonne

80V Electric Powered Forklift

Raising productivity

CESAB
another way

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Easy battery replacement maximises uptime

The option of lateral battery replacement on all CESAB B600 models means outstanding multi-shift peformance even in the most intensive materials handling operations.

Durable metal panels built to last

The CESAB B600 range features durable metal panels that deliver strength where it's needed most without adding unnecessary weight, resulting in greater durability and reduced lifetime costs.

Industry leading mast visibility

The CESAB B600 range benefits from CESAB's Intelligent Mast Design that delivers industry leading levels of forward visibility along with an excellent view of the fork tips, allowing more precise and more productive operation.

Engineered to perform

- *Load capacities from 2.0 to 3.5 tonnes*
- *New high performance Intelligent Mast Design (IMD)*
- *Manufactured using the renowed TPS**

** Toyota Production System*

Introducing the new CESAB B600, a range of 80V electric forklifts engineered to deliver intensive performance across a wider range of materials handling applications. Building on over 70 years of experience and working in collaboration with CESAB customers throughout Europe, CESAB's engineers have created a range of forklifts that deliver more productivity and more flexibility in tailoring higher performance to the specific demands of your business.

The CESAB B600 range is available in a choice of three chassis configurations, with lifting capacities from 2.0 to 3.5 tonnes, ensuring that high performance is matched by excellent manoeuvrability in even the tightest spaces.

CESAB's Intelligent Mast Design (IMD) is standard across the CESAB B600 range, providing industry leading levels of forward visibility and an excellent view of the forktips.

The CESAB B600 range is manufactured in Europe using the renowned TPS*, ensuring consistently high quality standards and your complete peace of mind.

Less maintenance, high productivity

At the heart of the CESAB B600 range are two powerful 80 Volt AC motors that deliver high lifting and travel performance with reduced energy consumption. Their brushless design improves reliability and eliminates the need for routine maintenance, so reducing operating costs.

The CESAB B600 range has been designed to allow easy access to the key components and those that require routine maintenance. An onboard diagnostic system further reduces maintenance time by providing to the operators the information they need via the onboard multifunction display. This ensures that you benefit from maximum uptime and minimal disruption to the productivity and profitability of your business.

Reliability of the CESAB B600 range is further enhanced by the use of durable metal panels on the exterior of the truck. These ensure greater durability even in outdoor working environments. Easily removable side panels also mean that the minimum lift height is reduced during standard battery change - improving safety and turnaround time. The option of lateral battery extraction is also available, ensuring higher productivity even in multi-shift operations.

- *Brushless AC electric motors reduce maintenance costs*
- *Optional side battery extraction for maximum uptime*
- *Easy access to main components minimises downtime*
- *Durable metal panels built to last*

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Smarter design, safer operation

- *Automatic speed reduction when cornering enhances safety*
- *Excellent all round visibility*
- *Safety belt reminder sensor*

With vast experience across many industries, CESAB understands that the pressures of modern business sometimes mean best practice can be overlooked. That is why the CESAB B600 range has been designed with a host of features that not only deliver higher performance, they also deliver safer performance - even when the pressure is on.

The CESAB B600 range automatically limits speed when the truck is cornering. Not only does this reduce the chance of lost or damaged loads, it also helps to reduce the risk of lateral tip over. Travel speed is also automatically reduced as the forks are raised to reduce the risk of toppling forwards or dropping a load from height.

From the overhead guard to the class leading visibility of CESAB's Intelligent Mast Design, the CESAB B600 has been designed to ensure that the operator can clearly see everything that they need to see for safe and efficient operation.

The option of an automatic parking brake further enhances safety, ensuring that the truck comes to and remains at a stop once the operator removes their foot from the accelerator. The CESAB B600 range also comes with a safety belt sensor that alerts the operator and immobilises the truck if the safety belt is not engaged.

Programmable performance

The multifunction display allows performance to be optimised depending to the task at hand while access via up to 40 PIN code means performance can be tailored to the abilities of individual operators.

Improved comfort improved productivity

With a choice of seats and pedal configurations the spacious cabin of the CESAB B600 delivers the comfort operators need to remain productive throughout their working shift.

Fingertip controls for more precise handling

Precise operation is acheived through the proportional fingertip controls fitted as standard or the option of mini-joystick controls.

Energy saving components enhance battey performance

The use of low energy LED lights and the elimination a cooling fan minimise energy consumption and prolong battery life to deliver higher productivity.

Precise control for more profitable productivity

Through its unique combination of advanced ergonomics and the latest technology the CESAB B600 allows for precise control whatever the task at hand.

Three programmable power settings allow the truck's performance to be tailored to specific materials handling operations, delivering higher performance when it's needed and longer battery life when that matters most.

Access to the CESAB B600 is via up to 40 PIN codes, allowing the performance to be tailored to 15 different operator profiles and ensuring that speed and acceleration are matched to the skill and experience levels of the operator.

Standard electro-proportional fingertip controls or optional mini-joysticks built into the arm rest allow fast and accurate operation, enhanced by the industry leading levels of forward visibility provided by CESAB's Intelligent Mast Design.

CESAB's engineers have eliminated the need for a cooling fan. This results in less noise for the operator, helping to reduce the fatigue and ultimately to increase the productivity. The elimination of a cooling fan, along with the use of LED lights and a regenerative braking system, also results in longer battery life and more productivity between charges.

- *Standard fingertip controls or optional mini-joysticks allow more precise handling*
- *Regenerative braking prolongs battery life*
- *No cooling fan and LED lights minimises power consumption*

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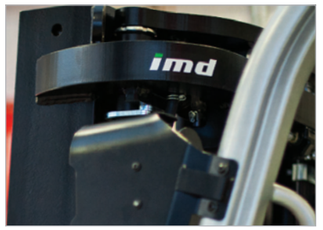
imd
intelligent mast design



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 3rd and 4th 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.

Superior forward visibility

Low energy usage

Low maintenance

High strength and rigidity

Smooth, quiet operation

More durability

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 B600 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. Adjustable rollers pads allow for quick and easy maintenance, improving uptime and reducing maintenance costs.

By creating short mast profiles the CESAB B600 is shorter in length and utilises a lighter counterweight for reduced truck weight.

As a new standard IMD safety feature on CESAB forklifts, the B600 incorporates automatic speed reduction with forks lifted. Should an operator try to drive the B600 with or without a load when the forks are in an elevated position the truck will automatically limit the speed to within safe levels helping to prevent accidents.

Truck Specifications

Model	CESAB B620	CESAB B625	CESAB B625L	CESAB B630	CESAB B630L	CESAB B635
Power unit	Electric	Electric	Electric	Electric	Electric	Electric
Load capacity Q (t)	2.0	2.5	2.5	3.0	3.0	3.5
Load center (mm)	500	500	500	500	500	500
Standard lift height (mm) [h3]	3260	3260	3260	3260	3260	3260
Travel speed with/without load (Km/h)	18/19	18/19	18/19	18/19	18/19	18/19
Lifting speed with/without load (m/s)	0,47/0,52	0,43/0,52	0,43/0,52	0,39/0,52	0,39/0,52	0,34/0,52
Turning radius (mm) [Wa]	1922	2052	2184	2081	2184	2213

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The data in this brochure was determined based on our standard driving 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 determined regionally and are subject to change without notice. Please consult your authorised CESAB dealership for further details. BR_B600_EN_0313 / P&B B600 V11 – Copyright CESAB Material Handling Europe.

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