

CESAB R300 1.4 - 2.5 tonne

Reach Trucks



Outstanding productivity



CESAB



Intelligent, dynamic and hard working. Introducing the new CESAB R300 range of reach trucks

CESAB are proud to introduce a range of advanced reach trucks intelligently designed to deliver maximum productivity, exceptional driving characteristics and safety to your materials handling operation.

Every aspect of every model in the range has been developed to raise productivity to new and even greater heights.

It all starts with the very highest levels of build quality to help ensure durability and reliability for their entire working life. This is backed up by a host of impressive features such as an advanced control system offering fast, yet perfectly smooth, transition from free lift to main lift without slowdown, together with a sophisticated

360° steering system that guarantees fingertip manoeuvrability at all speeds. The CESAB R300 range has also been designed to get maximum productivity from its driver, by using clever ergonomic design to help ensure both comfort and safety.

With load capabilities ranging from 1400 kg to 2500 kg, operating lift heights of upto 13000 mm and all powered by energy efficient AC drive motors, the CESAB R300 range is a culmination of years of development and represents one of the most advanced reach trucks in the world.

The CESAB R300 range is guaranteed to deliver outstanding productivity from the very first day and for many years to come.

“The CESAB R300 range is guaranteed to deliver you outstanding productivity”

Excellent uptime

Developed and designed for excellent uptime and durability with heavy-duty drive units and gearboxes, brushless motors, sealed electrical units and leak-free hydraulic connectors



Built by one of the world's best manufacturing systems.

Every CESAB R300 is manufactured in a production centre certified to ISO 9001 and 14001 and is a direct result of TPS*, which is widely regarded as one of the finest manufacturing systems in the world



Reliability means productivity

Thousands of hours of testing combined with TPS* ensure that every CESAB R300 truck delivers the reliability you need to be productive every single day

* Toyota Production System



A new mast generation. Best in class residual capacities

Cesab has completely reviewed its mast design and the result is a new generation of masts that is now mounted on the CESAB R300.

Higher residual capacities, better stability, lower closed heights, improved visibility, not one single detail escaped the attention of the Cesab engineers.

The new fork carriage offers a wider window and the integrated side shift cylinder is hidden behind the horizontal bars so that even with the carriage at eye height, the visibility through the mast and carriage is optimal. The crossbars, that reinforce the new mast construction, are chamfered for a better view.

The transition from free lift to main lift is seamless so that the driver will hardly notice it. This means less fatigue for the driver as there are no vibrations and the goods on the forks are also secure.

The reach movement of the mast is electronically optimised to avoid sway and to guaranty secured handling of the goods.

“CESAB’s most modern mast generation offers best capacity, better visibility and maximum stability at any lift height”



A comfortable driver is a productive driver

A comfortable and safe driver is a productive driver. So in order to get optimum productivity from the person behind the controls, comfort and ease of operation have been built into every aspect of the CESAB R300's ergonomic design.

To start with you'll discover the low step height combined with a conveniently positioned easy-grip post and foldable steering column that makes mounting and dismounting as effortless as possible in order to help reduce stress and strain. The floor plate is adjustable to enhance the driver's comfort even more.

Again with the driver in mind, the ergonomically designed seating position

is fully adjustable to accommodate a wide range of shapes and sizes and also comes with optional seatbelt, hip guard and a supporting armrest. The left corner of the new seat is reinforced to avoid early wear.

Once you are seated comfortably, you'll notice that the cab has been designed so that you are positioned stably within the profile of the truck. You can now easily adjust the steering console for height, length and angle in order to create the perfect driving position to suit your needs exactly.

Move the centre console, which houses the mini levers, to within easy reach and you now have fingertip control of every

single fork movement.

To keep you informed at all times, an intuitive information display relays a wide range of important information including: battery discharge, steering wheel position, main drive direction, parking brake, servicing, and a handy clock and calendar.

Cold store specification with or without a heated cold store cabin is available for all CESAB R300 models.

The cabin, which is fully enclosed and well insulated, is designed for comfortable operation in temperatures down to -35°C.



100% Adjustable

The driver of a Cesab R300 always finds his perfect working position as the cockpit is fully adjustable: the steering wheel, the command console, the seat of course but also the height of the floor plate.

Clear information

An intuitive information display keeps the operator informed at all times.



The better seat

Cesab reworked the R300 seat entirely. A better backrest that gives more side-support in curbs and a more comfortable seat cushion. To enhance durability, the left corner is reinforced to avoid early wear through sliding of the seat.

Ergonomic design

Ergonomically designed from seat to steering wheel for easy and comfortable operation. The mini-levers allow easy and smooth operation of fork and mast movement.



Less fatigue

The new accelerator pedal assures more relaxed driving and less fatigue. The driver's heel stays comfortably on the floor plate while only the tip of the foot adjusts the truck speed.

All-round visibility

The window located behind the driver contributes to the exceptional all-round visibility designed to support safe environment.



Transparent overhead guard

As an option, the CESAB customer can choose a transparent overhead guard to optimise visibility even more. The double layer of laminated tempered glass is 2 x 8 mm thick and assures safety for the driver.

Fork position laser

CESAB offers another valuable option on the R300 with the Fork Position Laser. A green cross is displayed on the racking and/or the pallet that allows very accurate positioning of the forks.



Enter your PIN code and start up the truck

Every CESAB R300 truck is equipped with a PIN code entry system, so you'll need a valid PIN code before you can start it up. This ensures that only authorised drivers have access and also eliminates the problems caused by lost or damaged keys. To add to its versatility, the system allows personalised access and individual settings can be customised for up to 10 different driver profiles with up to 10 different codes for each profile, adding up to a total of 100 unique codes.

The CESAB R300 comes with Optimised Truck Performance (OTP) as standard. OTP helps the driver to get most out of the high CESAB R300 performances in a safe and efficient way.

OTP features:

- Optimised Cornering Control. Regulates the speeds when coming in or out the curb
- Optimised Reach Control. The reach speed is automatically adjusted following the lift height and the load on the forks in order to avoid sway
- Optimised Speed Control with the mast reached out. The drive speed is automatically adjusted to enhance safety

“Personalised access and individual settings can be customised for up to 10 different driver profiles”

Load information display

With the optional load information display you are kept informed at all times by the crystal clear display which indicates the lift height and load weight to ensure that the loads are always within the rated capacity for the truck



Accessories bar

The optional accessories bar is designed for mounting ancillary equipment, such as a PC or keyboard and comes with standard interfaces. A 12/24V power supply is also available.

Sophisticated 360° steering system

Exceptional manoeuvrability is guaranteed. Designed for fast, efficient handling, your travel direction can be changed in one continuous, effortless movement. Electronic and progressive, it utilises a small spinner-style steering wheel for complete control: quick and responsive at low speed, easy and steady at high speed.



Hard working but not hard to drive

Ease of use and ergonomics are key factors in the move to drive up productivity and this is where the CESAB R300 really comes into its own.

At its heart lies a powerful AC drive motor which delivers fast acceleration up to a maximum travel speed of 11 km/h and is designed to cope with intense working environments. For maximum energy efficiency it offers low consumption rates together with a regenerative braking system which means that every time you decelerate or brake, energy is recycled back into the battery. Before you set off, the CESAB R300 puts you firmly in control by offering programmable performance. This allows you to pre-set maximum

speed, acceleration rate, auto-braking power and steering sensitivity. In addition, thanks to the optional height pre-selector you can pre-programme lift heights even in different aisles for fast and accurate stacking. The truck detects if there is a load on the forks and automatically determines if the forks should stop at the preselected height to pick up or set off a load. Whichever you choose, rest assured that every fork movement offers pin-point accuracy.

While speed and manoeuvrability across the workplace are essential, vertical performance is equally important and this is where the CESAB R300's advanced lift control system takes centre stage.

This ingenious feature enables lifting or

lowering continuously up to a maximum speed of 0.7 m/s, without stops or even slowing down when lifting from free lift to main lift. As a result it offers a higher overall handling speed, lower power consumption and smoother movement, removing vibration. It is also possible to use hydraulic functions simultaneously, which allows lift and reach movements to be executed at the same time to further increase the overall handling speed.

To add to the CESAB R300's impressive list of credentials there's an optional sideways battery exchange system, whereby the battery can be quickly released from the locked position and made ready for exchange while the driver is safely seated in the cab.

You have just raised productivity to new heights.

Durability, ease of use and ergonomics, comfort and safety all add up to a full and productive day every time a CESAB R300 is put to work.

A new addition to a growing range of forklifts, CESAB has been in the business of supplying trucks to the world's industries for nearly 75 years.

And our service doesn't end when we hand over the keys, because with every truck comes a comprehensive after sales care package.

Just one phone call and an expert technician will do everything in their power to get your truck serviced and back to work in the quickest possible time.

CESAB is continually striving to reduce waste, develop cleaner working operations and improve the recyclability levels of all our products. As a result, the new CESAB R300 is highly recyclable with a recoverability rate of close to 99% of the truck's weight.

That's forward thinking for you.

Don't take our word for it, try out a new CESAB R300 for yourself

So why choose a CESAB R300? Quite simply because you're in the business of getting maximum productivity at all times.

To test drive a CESAB R300 for yourself, simply contact your local CESAB dealership and discover for yourself how you can raise productivity to new heights.



CESAB R314 - R325

Truck Specifications

Model	CESAB R314	CESAB R316	CESAB R318	CESAB R320	CESAB R325
Rated capacity [kg]	1400	1600	1800	2000	2500
Max. lift height [mm]	11000	11000	13000	13000	13000
Chassis width [mm]	1270				
Travel speed with/without load [km/h]	10,3/11	10 / 11	11/11	11/11	11/11
Lift speed with/without load [m/s]	0,38/0,68	0,36/0,68	0,35/0,70		
Lowering speed with/without load [m/s]	0,59/0,55			0,55/0,55	
Battery capacity 48V [Ah]	465 - 775	465-930	620-775	620 - 930	775-930
Drive motor power [kW]	7.5			9.0	
Lift motor power [kW]	11			15	

The figures written in this brochure are determined based on our standard testing conditions. The figures may vary depending on the specification and condition of the forklift as well as the nature and condition of the operating area.



The data in this brochure was determined based on our standard testing conditions. Operating performance may vary depending on the application and the load. The data is for information only and is not intended for use in any other way. The data is limited to the CE marked models. Please contact your nearest CESAB dealer for further details. EN_2017 / P&B R300 V17 - Copyright CESAB Material Handling Europe.

