

CESAB R300 1.4 - 2.5 tonne

Reach Trucks



Outstanding productivity



CESAB
another way

Images in this brochure may include optional equipment. Availability and exact specifications may vary depending on region.



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



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

Outstanding durability is now within reach.

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 up to 12500 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”

Get up close to a new CESAB R300 and you'll immediately see the detail that goes into every facet of the truck.

This exceptional build quality is testimony to the many hours of research, development and testing that goes into every model in the range.

In addition, every truck is manufactured in a production centre certified to ISO 9001 and 14001 and is a direct result of TPS*, which is widely acknowledged as one of the most successful manufacturing systems in the world. This ensures that quality and durability are built into every aspect of the truck. From brushless motors and sealed electrical units to

the leak-free hydraulic connectors, the CESAB R300 range has been designed to keep working day after day.

This attention to detail extends to the use of long-life and maintenance-free components, ensuring that your truck offers you the longest possible service intervals. If a problem should occur, your CESAB R300 will be the first to let you know, thanks to its state-of-the-art on-board diagnostics.

Add to this, easy access to all areas of the truck and it ensures that your truck will be back to its industrious best in the quickest possible time.

In short, your CESAB R300 guarantees you maximum uptime with minimum servicing, adding up to even greater levels of productivity.

* Toyota Production System



Clear information

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



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.



All-round visibility

The window located behind the driver contributes to the exceptional all-round visibility designed to help reduce the risk of injuries and damages.



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.

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.

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 direction, 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. These versions are engineered for tough operations in very low temperatures. The cabin, which is fully enclosed and well insulated, is designed for comfortable operation in temperatures down to -35°C.

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.

You'll quickly see that all-round visibility is yet another reason why the CESAB R300 range is the clear leader when it comes to easy operation. You'll hardly notice the low front panel which when combined

with a clear view around and through the mast, offers you an excellent view of the fork and load. Directly above, there's a fan shaped guard with thin angled crossbars to provide you with excellent overhead visibility and protection while handling the goods. Look behind and you'll find a window providing excellent rear view visibility, while you remain seated stably and comfortably in the cab.

“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.



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 over 50 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 - R316



CESAB R318 - R320 - R325

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.

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]	9000	10500	11000	12500	12500
Chassis width [mm]	1270				
Travel speed with/without load [km/h]	11 / 11	10 / 11	11/11	11/11	11/11
Lift speed with/without load [m/s]	0.35 / 0.70				
Lowering speed with/without load [m/s]	0.55 / 0.55				
Battery capacity 48V [Ah]	465 - 775		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, load, terrain, and other factors. Please consult your local CESAB dealer for further details. EN_20_3 / P&B R300 V12 - Copyright © CESAB Material Handling Europe.

