

# CESAB R200 1.2 - 1.6 tonne

Reach Trucks



Compact design, high performance



**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 by utilising 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 R200 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 R200 truck delivers the reliability you need to be productive every single day.

\*Toyota Production System



## Delivering new levels of productivity to confined and congested workplaces.

The CESAB R200 range was created in order to deliver exceptional productivity to materials handling operations in potentially confined workplaces. The sleek, slim design makes it perfect for demanding situations which require high levels of productivity and applications such as block stacking and drive-in racking.

With a chassis width of just 1120 mm the new CESAB R200 series may be narrow in design, but it offers a wide range of time saving features such as electronic fork control for a smooth, cushioned effect during lifting, lowering and reach movements and a sophisticated 360° steering system that guarantees fingertip

manoeuvrability at all speeds. Together they combine to produce high speed, yet smooth operations every single day of their working lives.

The CESAB R200 series comprises three new models to add to CESAB's growing range and further boost its reputation. The CESAB R212 with 1200 kg load capacity and lift heights 3350 - 6000 mm, the CESAB R214 with a load capability of 1400 kg and lift heights 4400 - 6300 mm, while the CESAB R216 model provides an increased load capability of 1600 kg and a lift height that extends to 8500 mm.

This new range of reach trucks also makes maximum use of clever ergonomic design

to contribute to driver's comfort, because a comfortable driver is a more productive driver.

The product of years of planning, testing and manufacturing expertise, whichever model you choose, you will receive the services of a tough, durable truck capable of answering the needs of a wide range of materials handling operations. The CESAB R200 series is ready, willing and able to deliver unparalleled levels of reliability, durability, manoeuvrability, safety and ultimately productivity.

The CESAB R200 series: squeezing the last drop of productivity out of congested work places.

## Exceptional reliability starts here.

Upon your first view of a CESAB R200, you can't help but be impressed with the sleekness of its chassis, clever ergonomic design and superb build quality; all testimony to the many hours of research, development and testing that has gone into every model.

This ground breaking truck is manufactured in a production centre certified to ISO 9001 and 14001 and is a direct result of the TPS\*, which is widely regarded as one of the most successful manufacturing systems in the world. As a result, a CESAB R200 comes with quality, durability and reliability built in to every single component.

The quality extends from the brushless AC drive motor to the use of long-life and maintenance-free components. What's more, the CESAB R200 features CAN (Controller Area Network) technology, which reduces the number of parts and realises high levels of reliability.

Should a problem arise, your CESAB R200 will immediately inform you thanks to its advanced on-board diagnostics. Combine this intelligent system with easy access to all areas and you can rest assured that your truck will be back to its productive best in the shortest possible time.

As a result you will benefit from a great number of hours of trouble free operations and the longest possible service intervals, delivering maximum uptime and ultimately productivity greater than ever before.

*"A CESAB R200 comes with quality, durability and reliability built in to every single component"*





### 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.

### Excellent all round visibility.

The fan-shaped overhead guard with thin cross bars contributes to the excellent all-round visibility, increasing productivity while reducing the risk of injuries and damages.

## Your first step to a more profitable day's work.

## Authorised access and excellent visibility add up to safer operations.

A combination of a low step height, easy-grip post and foldable steering and control console makes mounting and dismounting a CESAB R200 as easy and stress free as possible.

Once aboard you'll notice that for such a narrow design, the interior is surprisingly spacious.

Now settle down in the ergonomically designed chair, adjust seat and pedals to create the perfect operating position and you'll be pleased to note that despite the CESAB R200's slim framework, you are seated stably within the profile of the truck.

Unfold the control console and with a

few simple adjustments you can set the height, length and angle in order to suit your requirements. The console can now be arranged so that the mini-levers are positioned at your fingertips for precise control of both fork and mast.

To keep you informed at all times, located directly in front is an intuitive information display that communicates a wealth of information such as battery discharge, steering wheel direction, main drive direction, parking brake, servicing, as well as a handy clock.

Seated comfortably, with all controls located within easy reach, you are now ready to get to work.

*“Once aboard you’ll notice that for such a narrow design, the interior is surprisingly spacious”*

Before you can start up a new CESAB R200, you'll have to enter a recognised PIN code, because only authorised drivers can have access to this new range of reach trucks. A secure, yet versatile system, it can be personalised to create individual settings that 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. As well as preventing unauthorised access, it also eliminates the problems caused by stolen, lost or damaged keys.

All round visibility is another reason why the CESAB R200 series is the clear choice for easy and more productive operations. A low, unobtrusive front panel

combined with a wide open view around and through the mast, provides you with an unobstructed view of the forks and load. Overhead a clever combination of fan-shaped guard and thin crossbars offer protection without blocking your view. Finally, directly behind the seat, a large rear view window provides you with an excellent field of vision when manoeuvring.

To add to its ease of operation, the CESAB R200 offers a pedal layout similar to that of a car, together with a 'dead-man's' pedal to help keep the driver's foot safely inside the body of the truck. Additionally, to help improve safety, the CESAB R200 features an electromechanical parking brake which is applied automatically in a variety

of situations, including when the driver steps off the truck. The electromagnetic and regenerative travel brake can be programmed in terms of brake force for example when releasing the accelerator pedal, which allows you to tailor the brake performance according to requirements in your operations.



### Height indication.

The height indicator displays the height of the forks in order to keep the driver informed and make stacking easier. (Optional for all CESAB R214 models and CESAB R216 models with lift heights below 6300 mm. Standard equipment on CESAB R216 models with lift heights above 6300 mm.)



### Height pre-selection.

The optional height pre-selection allows fast and accurate positioning of the forks when stacking (available for R214-R216).



### 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.



### 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.

## At the end of a productive day, you'll be glad you chose CESAB.

Put a CESAB R200 to work and at the end of the day, you'll be more than satisfied.

CESAB has been in the business of supplying trucks to the world's industries for over 50 years. It is this long heritage and our in depth experience of successfully meeting customer requirements that has enabled us to produce a new range of trucks to rival any on the market.

And our service doesn't end when we hand over the keys, because every truck comes with an after sales service. 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 R212-R214



CESAB R216

### Environmentally friendly.

*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 R200 is highly recyclable.*

*That's forward thinking for you.*

### Demanding applications were the blueprint, now test drive the finished product.

Busy, congested and confined materials handling operations provided the challenge for the new CESAB R200 series and the finished product is more than up to the task.

Take your productivity for a test drive, simply contact your local dealership and find out how a new CESAB R212, R214 or CESAB R216 can raise it to new levels.

## Driving up productivity has never been easier.

At the heart of the CESAB R200's driving experience is a powerful AC drive motor that can cope with intense working environments. Powerful, yet sensitive, it delivers smooth acceleration up to a top speed of 11.2 km/h, coupled with energy efficient features that reduce the consumption rate and even recycle energy back into the battery every time you decelerate or brake.

And talking of energy efficiency, you also have the option of different battery capacities (310-620 Ah) and a sideways battery exchange system.

Before you get to work, a CESAB R200 offers you programmable performance, a time-saving feature which puts you firmly

in control. To start with you can preset the maximum speed, acceleration rate, auto-braking power and steering sensitivity. In addition you can pre-programme the lift height, using the height pre-selection option, for fast and accurate stacking. Whichever you choose, you can rest assured that every fork movement is smooth and accurate thanks to the CESAB R200's electronic fork control system.

It's in the most crowded and confined work places that a truck's manoeuvrability is tested to the limit, which is why every CESAB R200 is equipped with a sophisticated 360° steering system. 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.

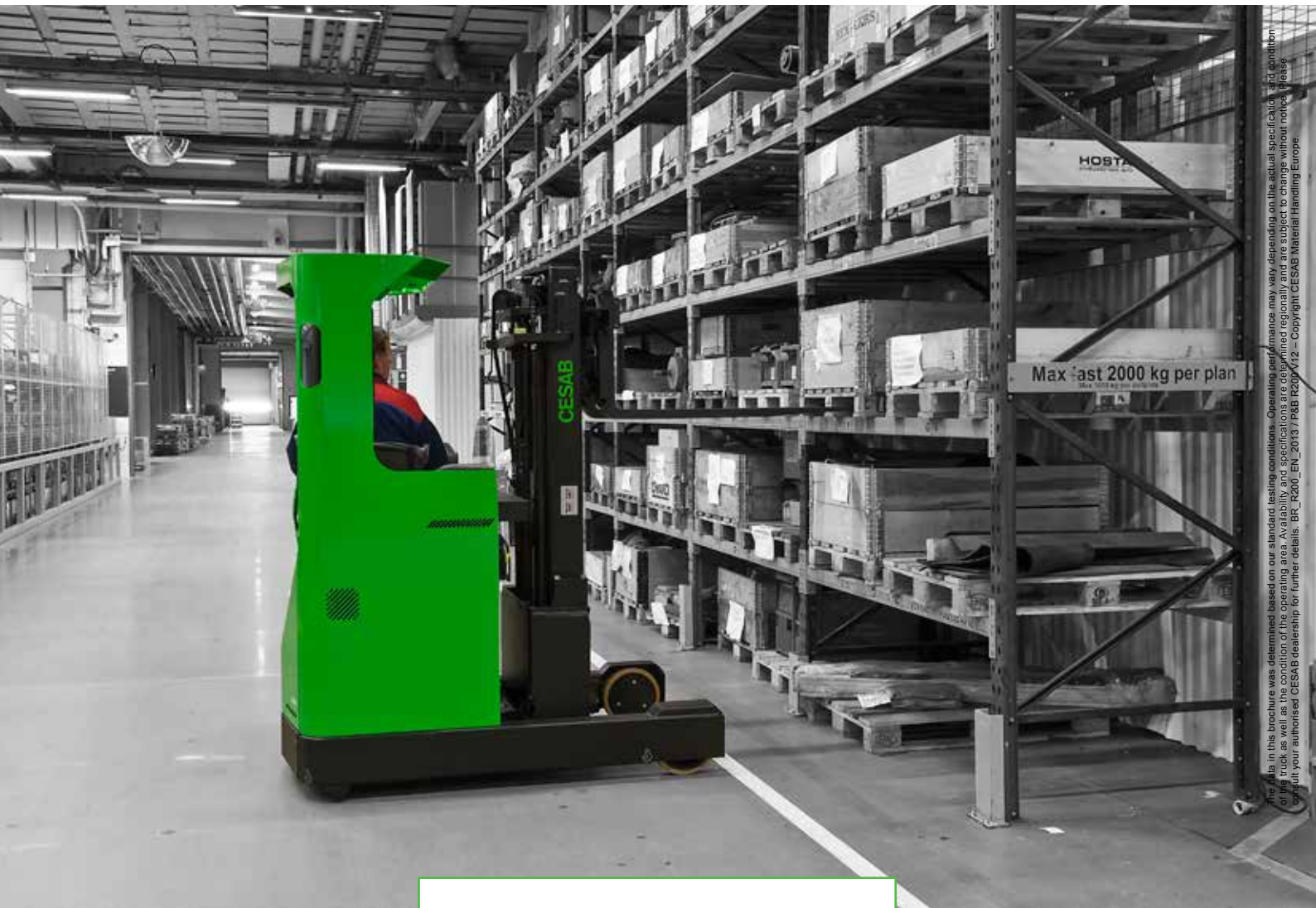
Reliability, programmability, operability, manoeuvrability, power and speed - everything you could ever need in a compact reach truck.

To further enhance the CESAB R200's impressive list of credentials, there's an optional accessories bar for mounting ancillary equipment such as a PC or keyboard which can also be equipped with a 12/24V power supply.

## Truck Specifications

Model	CESAB R212	CESAB R214	CESAB R216
Rated capacity [kg]	1200	1400	1600
Max. lift height [mm]	6000	6300	8500
Chassis width [mm]	1120		
Travel speed with/without load [km/h]	10 / 11.2		
Lift speed with/without load [m/s]	0.29/0.42	0.27 / 0.42	0.25 / 0.42
Lowering speed with/without load [m/s]	0.47/0.47	0.50 / 0.44	
Battery capacity 48V [Ah]	310 - 620		
Drive motor power [kW]	7.5		
Lift motor power [kW]	7.4		

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 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\_R200\_EN\_2013 / P&B R200V12 – Copyright CESAB Material Handling Europe.

