

**CESAB**

# CESAB M300 & M300<sub>H</sub>

Engine Powered Forklifts, 1.5 – 3.5 tonnes capacity

Euro V – Stage V



# The difference is more than just the green colour

One look and you instantly know that the CESAB M300 is a quality truck. The superb build quality of every truck is confirmed by the rigid steel side panels and perfectly formed bodywork. Both are designed to help protect not only the operator but also your investment over its entire working life.

## From 1.5 to 3.5 tonnes:

The CESAB M300 range has been built to deal with the rigours and knocks of everyday working life. **Strong, tough and reliable – a CESAB M300 is always up to the task.**

## The CESAB M300 fits all your needs:

- Load capacities from 1.5 to 3.5 tonnes
- Smooth torque converter or powerful hydrostatic drive train
- Powerful and reliable: true industrial Toyota engines
- Full metal build, with no plastics on exposed areas
- Easily accessible driver compartment, designed around the operator
- Two choices for pedal and three for hydraulic commands
- Intelligent Mast Design (IMD) for better visibility and safety
- Intelligent Stability Design (ISD) for maximum safety and productivity



ISD – Active Security System



IMD – Leading Mast Technology





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# CESAB M300 Torque Converter (TC)

## the right truck for any driver

The CESAB M300 Torque Converter assures smooth transition of power from engine to wheels. This clever feature gives you high speed and performance over long distances.

### The Torque Converter drives like a car with an automatic gearbox.

No adaptation is necessary as the truck's behaviour is always predictable.

The torque converter version of the CESAB M300 is a **broad solution for all drivers and applications.**

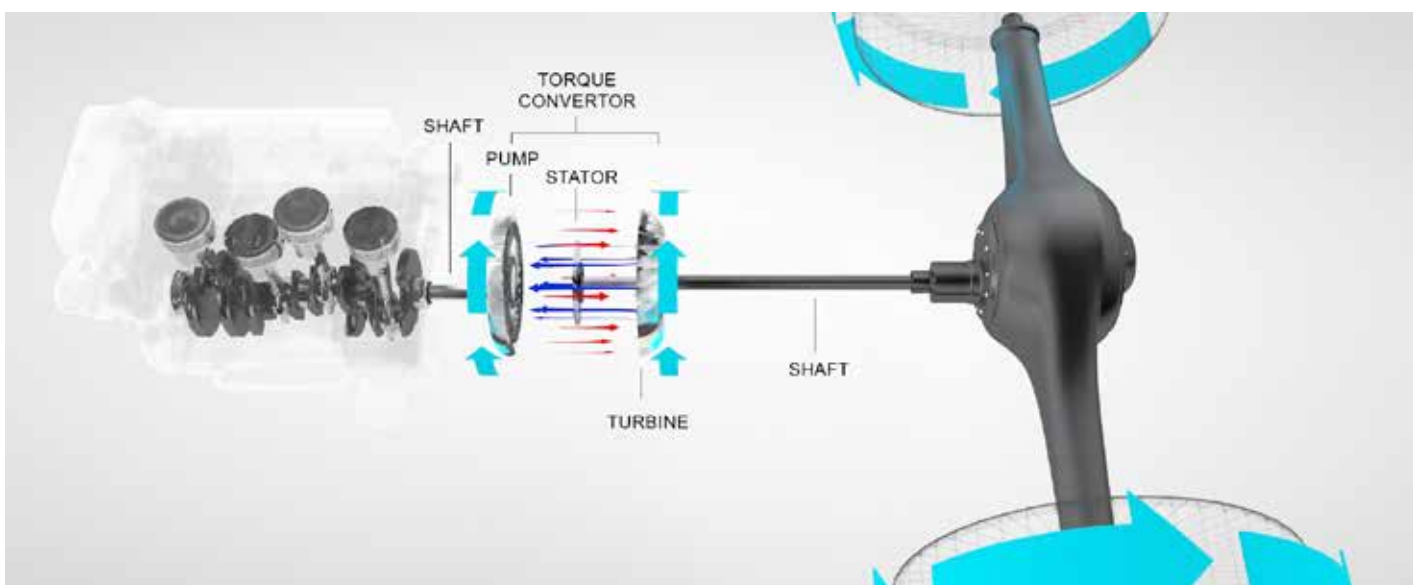
### Operators can choose between two types of pedal arrangements:

- automotive style pedals
- foot controlled directional switch

### As well as three types of hydraulic commands:

- mechanical handles
- proportional mini-levers
- proportional mini-joysticks

### CESAB M300 Torque Converter drive train



# CESAB M300H Hydrostatic (H)

## precise power

The CESAB M300H hydrostatic forklift delivers a powerful and precise material handling solution, offering high productivity thanks to its' ability to change direction of travel at any time without stopping.

### Automatic braking

With automatic braking when the operator's foot leaves the accelerator, the CESAB M300H allows perfect and precise manoeuvring. The hydrostatic M300 does not need an inching pedal because it only takes small accelerator movements to manoeuvre the truck.

The automatic braking feature makes the CESAB M300H perfect on ramps, with no accelerator needed for the truck to stand still. Depending on the chosen option, the truck will either stay in position or will slowly roll back under the full control of the operator.

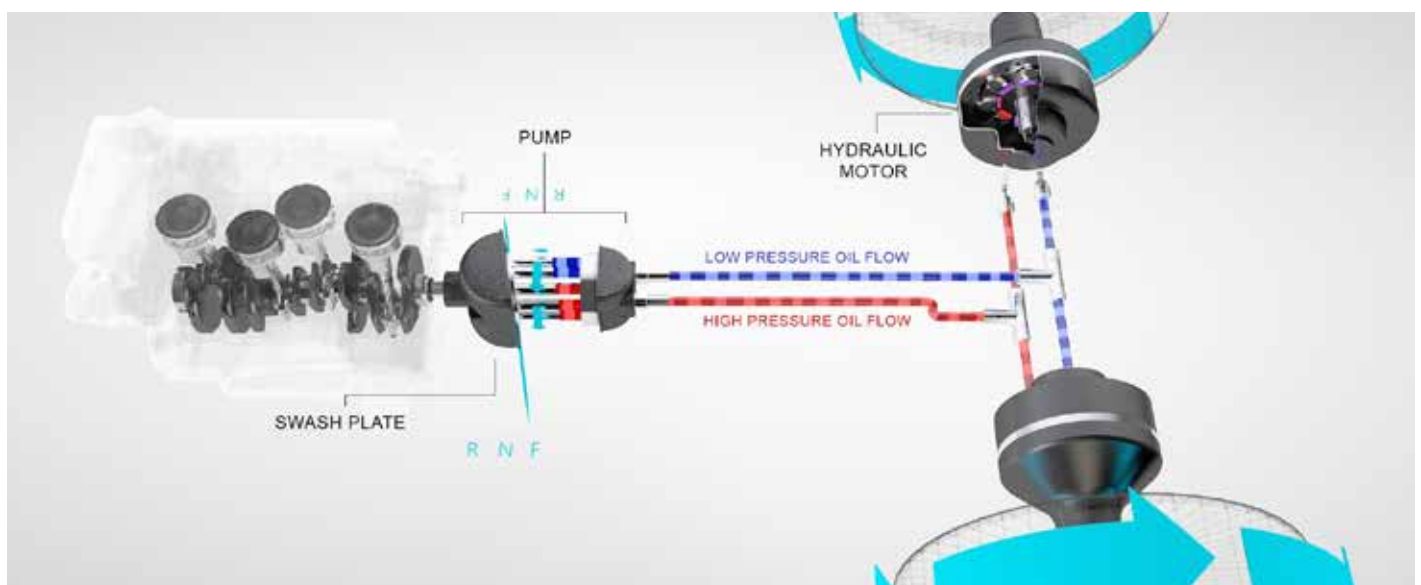
### Unique pre-set performance parameters

The CESAB M300H offers unique pre-set performance parameters that allow drivers to adapt the truck to their environment and driving abilities:

- **S – Smooth.** The truck accelerates and brakes gently
- **P – Medium.** The truck reacts in a more sustained way
- **H – Hard.** The truck performs at maximum levels for high productivity

Using a portable computer, CESAB engineers can modify the driving and lifting characteristics of each truck even more precisely, helping to meet the specific needs of drivers and applications.

### CESAB M300 Hydrostatic drive train



# CESAB M300 and M300H

## maximum safety is standard

The CESAB M300 and M300H series come with the Intelligent Stability Design active safety system as standard. This system monitors several truck parameters, allowing the driver to achieve optimum performance and productivity with maximum safety.



### Front tilt angle control

restricts the forward tilt if needed, subject to the weight of the load and the lift height



### Rear tilt speed control

will restrict the rear tilt speed, depending on the lift height



### Automatic 0° tilt

A button on the tilt lever allows the driver to easily position the mast in a perfect horizontal position



### Key-Lift interlock

This locks all hydraulic functions when the key switch is off



### Rear axle stabiliser

Depending on the speed and steering angle, the rear axle pivot can be locked by a cylinder to assure lateral stability



### Steering wheel synchronisation

assures the driver that the steering knob always is at the same spot, and shows the exact steering wheel position at start-up

# CESAB M300 and M300H

## the mast master



At CESAB we believe that the mast is key to safe and productive materials handling.

We have brought together a team of specialist engineers, designers and production specialists to create Intelligent Mast Design (IMD). **This has resulted in industry-leading levels of visibility and durability that translate into a safer, more productive forklift.**

### Superior visibility

Two off-centre full free lift (FFL) cylinders provide excellent operator visibility, allowing fast and accurate stacking operations and loading and unloading. The hoses for the 3rd and 4th function are integrated into the mast to further optimise visibility as well as providing protection for the hoses.



### Higher 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 vibrations, more comfort

A hydraulic braking effect at lifting and lowering end stroke assures smoother operation. This contributes to stability and a more comfortable working environment. Two free lift cylinders reduce vibration compared to single cylinder designs.

# CESAB M300 and M300H

## driver comfort matters

The CESAB M300 range is engineered to perform through its superior ergonomics and smarter design. A comfortable driver is a better performing driver.




A low step height, large assist grip and wide foot space allow easy access to the operator compartment.

On board, the M300 is available with a choice of mechanical or electronic controls, while the M300H offers mini-lever controls or the option of mini-joysticks.

For CESAB engineers, operator comfort extends beyond the controls. Fully floating engine mounts result in less vibration and reduced operator fatigue. This ensures your materials handling operation is just as safe and productive at the end of each shift as it is at the start.





The image shows the interior of a tractor cab. A prominent feature is the operator's seat, which is upholstered in bright green material with black side panels and a black backrest. The seat is mounted on a green base. To the left of the seat, the steering wheel and part of the dashboard are visible. The cab's frame is made of silver metal. The overall aesthetic is clean and professional.

**Peak  
productivity,  
all day,  
every day...**

M325H  
150

# CESAB M300 and M300H

## the complete package

CESAB's commitment to creating superior products is matched by its drive to deliver unrivalled service and support. Every CESAB customer benefits from a nationwide network of local dealerships.

**Your local CESAB dealer provides a personalised, local service tailored to the specific requirements of your business.**

They will advise on the best choice of equipment to meet your materials handling needs, and on the many options for tailoring your forklift to the unique demands of your working environment.

**Buying a CESAB forklift is only the beginning of the support from your nearest dealer, with experienced and fully qualified service engineers only a local call away.**

The on-board diagnostics system and easy access design of the M300 range makes servicing quick and easy.



**Our service engineers carry all major service parts in their vans, ensuring minimal disruption to your business.**

At CESAB we believe we offer our customers a complete package of the best equipment and the best support. To experience it for yourself call your local CESAB dealership today.

# CESAB M300 and M300H – Euro V

## a complete range

**CESAB M300**  
Torque Converter (TC)  
Series

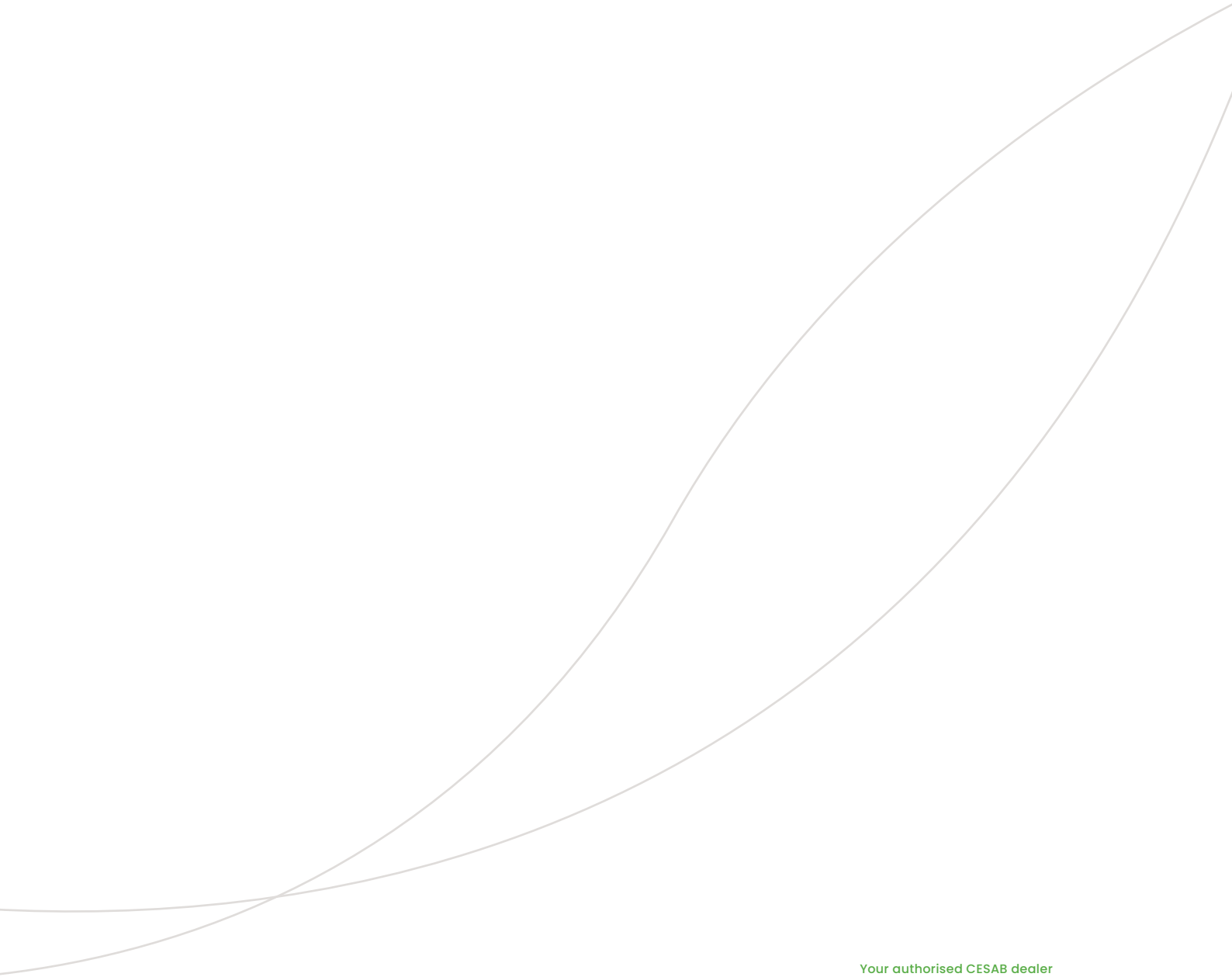


**CESAB M300H**  
Hydrostatic (H)  
Series



| MODEL                                  | CESAB M315<br>(TC only)   |           | CESAB M318<br>(TC only) |           | CESAB M320<br>CESAB M320H |           | CESAB M325<br>CESAB M325H |           | CESAB M330<br>CESAB M330H |           | CESAB M335<br>CESAB M335H |           |           |
|--|---|-----------|-------------------------|-----------|---------------------------|-----------|---------------------------|-----------|---------------------------|-----------|---------------------------|-----------|-----------|
|  | Fuel  | LPG       | Diesel                  | LPG       | Diesel                    | LPG       | Diesel                    | LPG       | Diesel                    | LPG       | Diesel                    | LPG       | Diesel    |
| Engine Model                           | 4Y-ECS (V) IDZ-III (V)  |           | 4Y-ECS (V) IDZ-III (V)  |           | 4Y-ECS (V) IZS (V)        |           | 4Y-ECS (V) IZS (V)        |           | 4Y-ECS (V) IZS (V)        |           | 4Y-ECS (V) IZS (V)        |           |           |
| Nominal Capacity                       | kg  | 1500      |                         | 1750      |                           | 2000      |                           | 2500      |                           | 3000      |                           | 3500      |           |
| Load Centre                            | mm  | 500       |                         | 500       |                           | 500       |                           | 500       |                           | 500       |                           | 500       |           |
| Standard Lift Height (h <sub>3</sub> ) | mm  | 3170      |                         | 3170      |                           | 3170      |                           | 3170      |                           | 3170      |                           | 3170      |           |
| Available Mast Types                   | Dpx. Std. Free Lift (D-NFL, h3 = 4,97 m max.) - Dpx. Full Free Lift (D-FFL, h3 = 4,17 m max.) - Tpx. Full Free Lift (T-FFL, h3 = 7,47 m max.) |           |                         |           |                           |           |                           |           |                           |           |                           |           |           |
| Travel Speed (TC) with/without load    | km/h  | 18,5/19,0 | 12,0/12,5               | 18,5/19,0 | 12,0/12,5                 | 17,5/18,0 | 19,0/19,5                 | 17,5/18,0 | 19,0/19,5                 | 18,5/19,0 | 18,5/19,0                 | 19,0/19,5 | 19,0/19,5 |
| Travel Speed (H) with/without load     | km/h  |           |                         |           |                           |           |                           |           |                           |           |                           |           |           |
| Lifting Speed (TC) with/without load   | m/s   | 0,67/0,68 | 0,45/0,52               | 0,67/0,68 | 0,45/0,52                 | 0,60/0,64 | 0,62/0,66                 | 0,60/0,64 | 0,62/0,66                 | 0,51/0,55 | 0,50/0,53                 | 0,43/0,45 | 0,42/0,45 |
| Lifting Speed (H) with/without load    | m/s   |           |                         |           |                           |           |                           |           |                           |           |                           |           |           |
| Turning Radius (Wa)                    | mm  | 2074      |                         | 2074      |                           | 2294      |                           | 2352      |                           | 2452      |                           | 2520      |           |

| MODEL                               | LPG<br>4Y-ECS (V)                  | LPG<br>4Y-ECS (V) | DIESEL<br>IDZ-III (V)     | DIESEL<br>IZS (V)         |  |
|-------------------------------------|------------------------------------|-------------------|---------------------------|---------------------------|--|
| Truck Model                         | M315-M318-M320-M325<br>M320H-M325H |                   | M330-M335<br>M330H-M335H  | M315-M318<br>(TC only)    | M320-M325-M330-M335<br>M320H-M325H-M330H-M335H |
| Number of Cylinders<br>Displacement | 4<br>2570 cm <sup>3</sup>          |                   | 4<br>2570 cm <sup>3</sup> | 4<br>2486 cm <sup>3</sup> | 3<br>1795 cm <sup>3</sup>                      |
| Rated Power                         | 38 kW @ 2570 rpm                   |                   | 42 kW @ 2570 rpm          | 17,5 kW @ 1700 rpm        | 41 kW @ 2200 rpm                               |
| Rated Torque                        | 160 Nm @ 2100 rpm                  |                   | 165 Nm @ 2570 rpm         | 99 Nm @ 1700 rpm          | 200 Nm @ 1600 rpm                              |



Your authorised CESAB dealer

Pictures may show optional equipment or accessories not included in the standard execution of the truck.

The data in this document 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. M300\_EuroV\_EN\_2020 / Ucan V01 - Copyright CESAB Material Handling Europe.