



CESAB M300H Hydrostat

Engine Powered Forklifts, 1.5 – 3.5 tonnes capacity

Stage V



The difference is more than just a green colour

One look and you instantly know that the CESAB M300H 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 M300H range has been built to deal with the rigours and knocks of everyday working life. **Strong, tough and reliable – a CESAB M300H is always up to the task.**

The CESAB M300H fits all your needs:

- Load capacities from 1.5 to 3.5 tonnes
- Powerful and dynamic hydrostatic drive train
- Strong and reliable: fully industrial Stage V compliant engines
- ECO drive mode for superior fuel economy
- 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





Contents

4

Precise power

High productivity, and precise material handling

5

Peak productivity

More drivers comfort and less fatigue for peak productivity

6

Maximum precision

Full option display for truck status and optimal truck adjustment

7

The mast master

A safer, more productive forklift

8

Maximum safety

Superior performance and productivity with maximum safety

9

The clean machine

Fully Stage V compliant industrial engines

10

The complete package

Unrivalled service and support

11

A complete range

CESAB M300H Hydrostatic Series

12

Contact

CESAB M300H Hydrostat (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 M300H 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 brake 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.

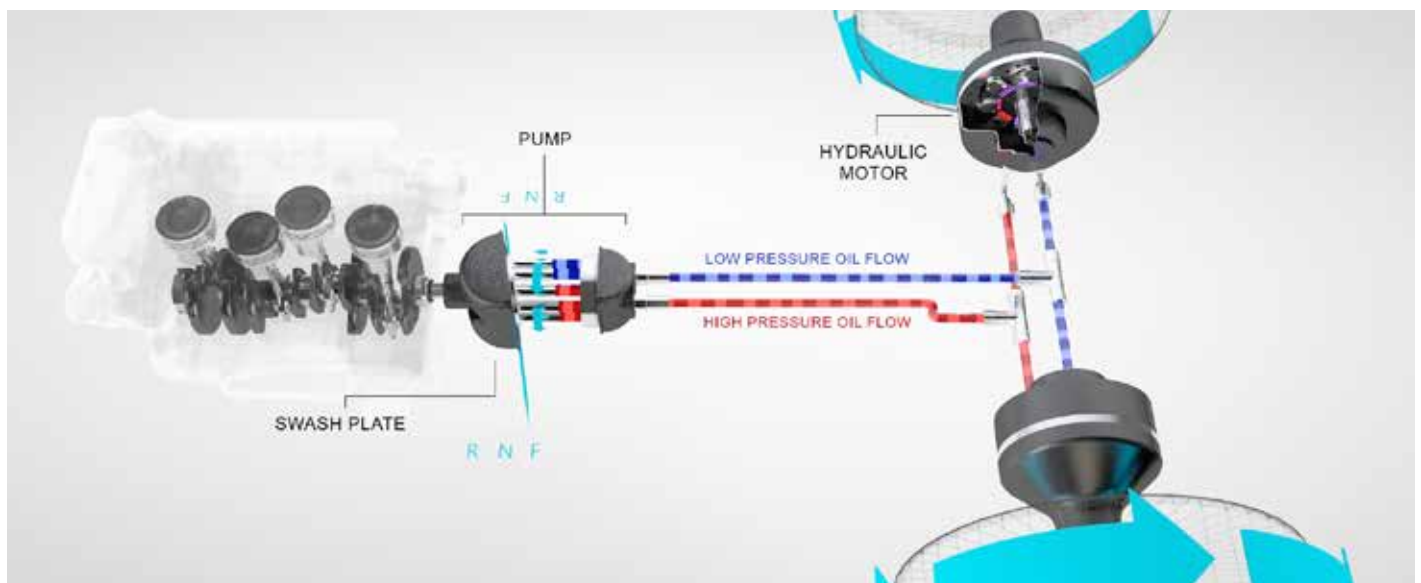
Unique pre-set performance parameters

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
- **ECO.** The overall performance of the truck is slightly reduced for better fuel economy

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 M300H Hydrostatic drive train



CESAB M300H

peak productivity, all day, every day



For CESAB engineers, operators comfort extends beyond the controls. Fully floating engine mounts result in less vibrations 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.

CESAB M300H

precision at your fingertips

The Stage V CESAB M300H has a full option display as standard that shows all relevant information in an instant. At start-up the display shows the status of the truck, from mast tilt angle to steering wheel position. This helps the driver to prepare a safe drive.



Besides giving useful information on the status of the truck, this display allows the driver to adapt the machine to his abilities or the limitations of his working environment.

- **Adjustable drive speed reduction**
- **Programmable automatic engine shut-off**
- **Load weight indicator**
- **Full control of the diesel particle filter (DPF)**

driver comfort matters

The CESAB M300H 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 grip and wide foot space allow easy access to the driver compartment



On board the M300H is available with a choice of mechanical or electronic controls



CESAB 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 specialised 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 M300H

maximum safety as standard

The CESAB 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 vertical 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 M300H

it's a clean machine

The CESAB M300H series is fully Stage V compliant. During their development our engineers had one priority – to create a troublefree experience for customers.

4Y-ECS LPG engine (42 kW) – CESAB M300H, 1.5 to 3.5t



Another high-performance industrial engine, the 4Y-ECS LPG engine is fitted in all LPG models.

This engine has a Distributor Less Ignition, which is fully electronically managed combustion. Because there are no mechanical parts, there is less wear and tear, and less maintenance is needed. The engine's timing is much more precise, with a more powerful ignition for better fuel economy.

This engine is Stage V compliant thanks to a maintenance free 3-way catalytic muffler.

1ZS Diesel engine (41 kW) – CESAB M300H, 2.0 to 3.5t



This 3-cylinder industrial diesel engine is mounted in the 2.0 to 3.5 tonne diesel M300H.

It has a chain-driven distribution and delivers very high torque even at low engine speed thanks to the variable nozzle turbo charger.

The electronically controlled common rail fuel system contributes to the low fuel consumption of the CESAB M300H series.

Overbalancing masses in the engine and highly efficient engine mountings help this engine to perform with minimal vibrations.

CESAB 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 M300H 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 M300H – Stage V

a complete range

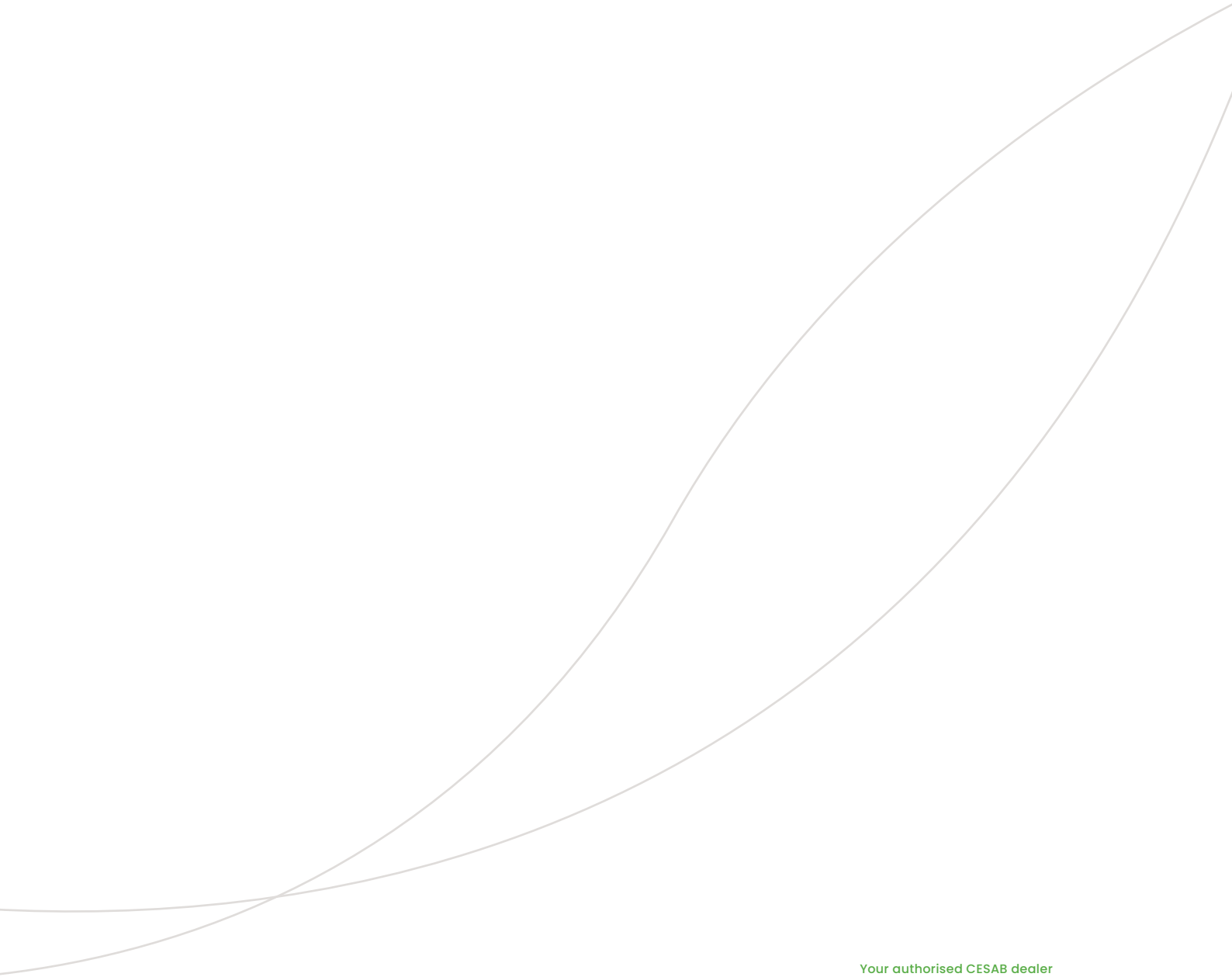


CESAB M300H
Hydrostatic (H)
Series



MODEL		CESAB M315H	CESAB M318H	CESAB M320H	CESAB M325H	CESAB M330H	CESAB M335H
Fuel		LPG only	LPG only	LPG Diesel	LPG Diesel	LPG Diesel	LPG Diesel
Engine Model		4Y-ECS (V)	4Y-ECS (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 ₃)	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 (H) with/without load	km/h	19,0/19,0	19,0/19,0	19,0/19,0 19,0/19,0	19,0/19,0 19,0/19,0	19,5/19,5 19,5/19,5	20,0/20,0 20,0/20,0
Lifting Speed (H) with/without load	m/s	0,67/0,68	0,67/0,68	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
Turning Radius (Wa)	mm	2074	2074	2294	2352	2452	2520

MODEL	LPG 4Y-ECS (V)	LPG 4Y-ECS (V)	DIESEL IZS (V)
Truck Model	M315H-M318H-M320H-M325H	M330H-M335H	M320H-M325H-M330H-M335H
Number of Cylinders	4	4	3
Displacement	2570 cm ³	2570 cm ³	1795 cm ³
Rated Power	38 kW @ 2400 rpm	42 kW @ 2570 rpm	41 kW @ 2200 rpm
Rated Torque	160 Nm @ 2100 rpm	165 Nm @ 2570 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. M300H_EuroV_EN_2021 / Ucan V04 - Copyright CESAB Material Handling Europe.