CESAB

stage low emissions technology

CESAB M300 Torque Converter

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 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
- Powerful 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 intelligent stability design

ISD – Active Security System

imd intelligent mast design

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**.

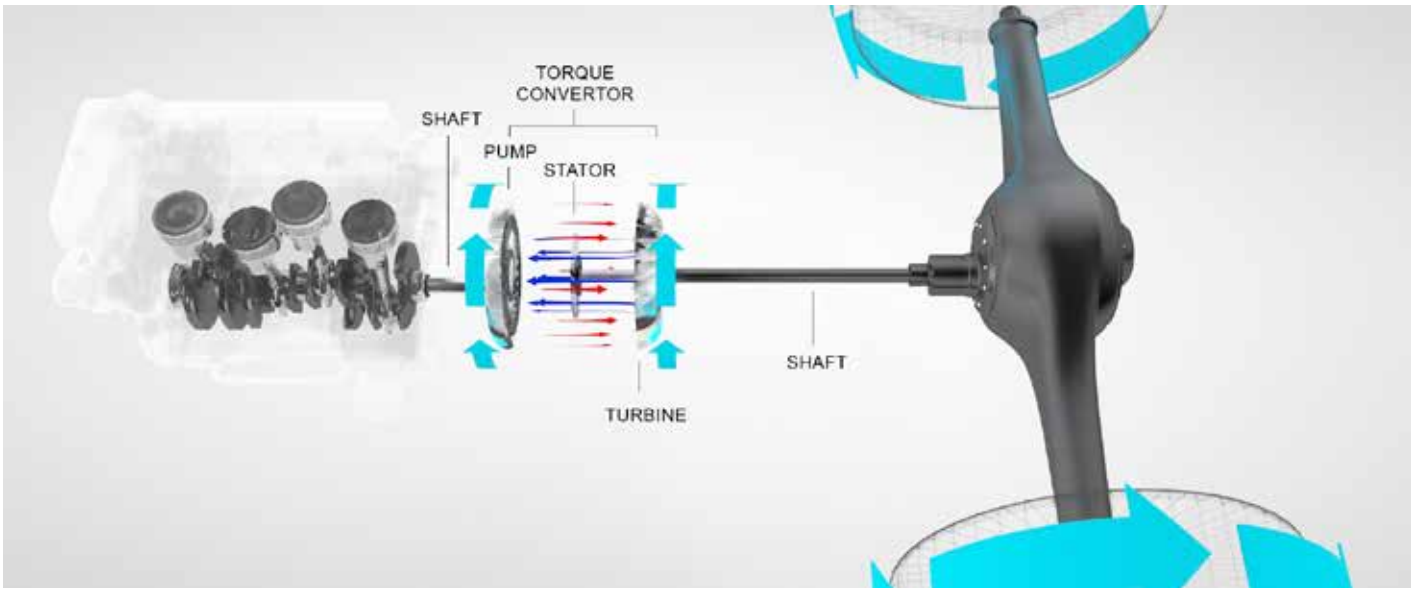
Operators can choose between two types of pedal arrangements:

- 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 M300 TC

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 M300 TC

precision at your fingertips

The Stage V CESAB M300 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 M300 range is engineered to perform through its superiour 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 M300 is available with a choice of mechanical or electronic controls.

CESAB M300 TC

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.

imd
intelligent mast design

CESAB M300 TC

maximum safety as standard

The CESAB M300 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

isd
intelligent stability design

CESAB M300 TC
it's a clean machine

The CESAB M300 series is fully Stage V compliant. During their development our engineers had one priority - to create a troublefree experience for customers.

1DZIII Diesel engine (17,5 kW) - CESAB M315 and M318 TC

The 1DZIII diesel engine is available in the 1.5 and 1.8 tonnes diesel torque converter version

This well-known industrial engine comes with proven reliability.

The absence of a particle filter prevents the need for additional maintenance. With the reduced engine speed of 1700 rpm, it offers a particular comfortable ride for the driver

4Y-ECS LPG engine (42 kW) - CESAB M300 TC, 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 M300 TC, 2.0 to 3.5t

This 3-cylinder industrial diesel engine is mounted in the 2.0 to 3.5 tonne diesel M300. 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 M300 series.

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

CESAB M300 TC

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 TC - Stage V

a complete range

CESAB M300
Torque Converter (TC)
Series

MODEL		CESAB M315		CESAB M318		CESAB M320		CESAB M325		CESAB M330		CESAB M335	
Fuel		LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG	Diesel
Engine Model		4Y-ECS (V)	1DZ-III (V)	4Y-ECS (V)	1DZ-III (V)	4Y-ECS (V)	1ZS (V)	4Y-ECS (V)	1ZS (V)	4Y-ECS (V)	1ZS (V)	4Y-ECS (V)	1ZS (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 (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
Lifting Speed (TC) with/without load	m/s	0,67/0,68	0,45/052	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
Turning Radius (Wa)	mm	2074		2074		2294		2352		2452		2520	

MODEL	LPG 4Y-ECS (V)	LPG 4Y-ECS (V)	DIESEL 1DZIII (V)	DIESEL 1ZS (V)
Truck Model	M315-M318-M320-M325	M330-M335	M315-M318	M320-M325-M330-M335
Number of Cylinders Displacement	4 2570 cm^3	4 2570 cm^3	4 2486 cm^3	3 1795 cm^3
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

CESAB

www.cesab-forklifts.eu

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. M300TC_EuroV_EN_2021 / Ucan V03
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