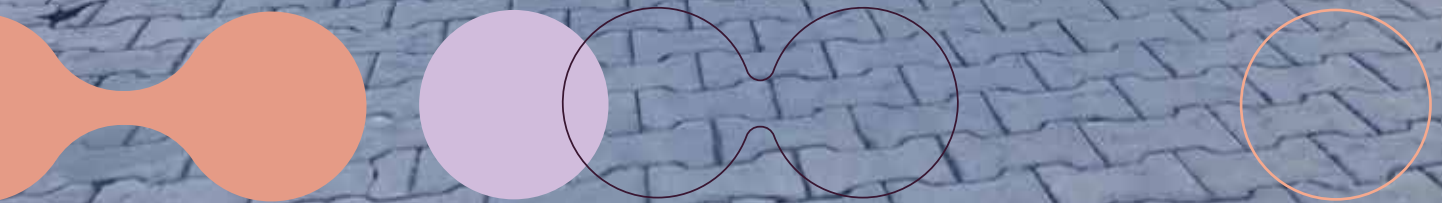




TT7

Terminal
Tractor





The Kalmar TT7, engineered to deliver


We've listened to your needs and transformed our offering to create the TT7 — a terminal tractor specifically designed and engineered for the demanding European market. Built to be the backbone of your operations, this machine takes on your toughest challenges without missing a beat. Here is what has changed.

Built to Last

You can expect a more robust and reliable machine with:

 **Maximum Durability:** a completely new, heavy-duty galvanised steel frame ensures long-term structural integrity.


 **Reinforced Strength:** heavy-duty reinforced axles are standard across the entire range to handle your heaviest loads.


 **Corrosion Protection:** galvanised metal side panels provide extra defence against the elements and extreme temperatures.


 **Rapid Repair:** a new three-section front bumper allows for quick, cost-effective replacement of individual parts.


Premium Standards

Experience a new level of performance with high-end features now fitted as standard on every model:

 **Superior Braking:** significantly smoother braking systems enhance load safety and driver confidence.

 **Precise Control:** improved steering and more responsive acceleration keep your operations moving seamlessly.

 **Climate control:** full heating and air conditioning system ensures your drivers stay comfortable and productive in any weather.

 **Daylight Visibility:** high-output LED lights provide better visibility than traditional halogen alternatives.

The Kalmar TT7 is now ready to get your business moving.



An expanding range

The current TT7 Series offering of three machines, the 70, 85 & 95 Gross Capacity Weights powered by a highly efficient diesel engine will soon be expanded to include two new EV models.



Ready to move



With the Kalmar TT7 Medium 4x2 Terminal Tractor you get to choose which model is right for you. There are three different models, with two different energy levels, four different lifting capacities and two different wheelbases and a large range of options, allowing you to build the truck that is just right for your business.

Models	Engine Power (kW)	GCW (kg)	Lifting (kg)	Wheelbase (WB)	Width (W)
TT770	129 @ 2200 rpm	70,000	20,000	3450 mm	2500 mm
TT785	168 @ 2200 rpm	85,000	28,000	3450 mm	2500 mm
TT795	168 @ 2200 rpm	95,000	32,000*	3200 mm	2500 mm

Robust and reliable

The reinforced chassis and side panels provide greater structural integrity and are galvanised to resist corrosion in extreme temperatures, while the chassis and 5th Wheel height are perfectly aligned to move trailers. The 5th Wheel can lift loads up to 36,000 kg*, 430 mm high and is quick to both raise and lower, allowing for the efficient movement of loads around your yard.

Stay in control

All of our terminal tractors are fitted with an electronic control system so you drivers can continually monitor their trucks performance, as knowing exactly what is going on allows your drivers to operate their trucks as safely and efficiently as possible. From the main digital screen they can easily access specific data on transmission and hydraulic performance, tyre pressure**, individual work shifts, error codes, control breaker system for load handling and event-controlled information.

More responsive

Changing gears and accelerating has been made more responsive to meet your driver's needs, while decelerating and braking have been made smoother, helping to keep your trucks load safe and in control. The cabin suspension has also been improved to enhance the overall operating experience of the TT7.

*Lifting capacity 36,000 kg as an option.
**Requires optional Tyre Monitoring System to be fitted.

Designed for the driver

At Kalmar, we believe that a comfortable driver is a productive driver. Our ergonomically cabin has been meticulously engineered to reduce fatigue and enhance operational precision. From the moment they step inside, your drivers will experience a workspace that is as intuitive as it is robust. Expect:

-  **Premium Seat:** fully adjustable with three mounting positions.
-  **Intuitive Controls:** digital display and operator panel and controls within reach.
-  **Precision Steering:** adjustable column with a knob for effortless turns.
-  **Full Visibility:** massive windows for 360° views.
-  **Total Climate Control:** standard AC, heating, and fresh air filtration system.



Excellent visibility

Our TT7 has one of the widest front view windscreens you will experience. Side mirrors are fitted as standard to make sure your drivers can always see what's going on around them. Plus, your driver can easily view the rear platform and trailer through a cleverly designed large rear window.



Easy and safe access

Every Kalmar TT7 Terminal Tractor has not only the driver side door for accessing the cabin safely, but also an additional level entry door off the rear non-slip platform, which can easily be accessed with non-slip steps and support rails, enabling the recommended three point.



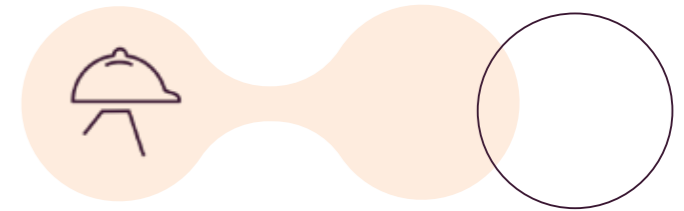
More comfortable

We've made sure your driver will always be comfortable no matter what the conditions are like outside the cabin. With a climate control package including heating, air-conditioning and a fresh air filter, an adjustable seat that can be mounted in three different positions, a handy cup holder and two USB ports - your driver will be more comfortable and productive.

Safety fitted as standard



For Kalmar, the safety of your drivers and maintenance staff is of critical importance, which is why our machines come with many more safety features fitted as standard than others available in the market.



2-point seat belt. Ensures that your driver is safe and secure while operating our equipment, all Kalmar machines are equipped with an adjustable 2-point seat belt system.



3-point Contact System. Makes sure your drivers are safe when entering or exiting our equipment. All machines are fitted with steps and handles to ensure they can always maintain three points of contact with the vehicle, helping to keep them safer.



Rear access platform. All of our terminal tractors are fitted with rear cabin entry via a flat rear platform which is accessed from ground level using three steps and safety rails for three-point access, all surfaces are anti-slip.



Display. Cabins are fitted with a large easy to read display which keeps your drivers fully aware of the machine's on-going performance and any maintenance actions that need to be taken.



Error code information. Should there be any issue with your equipment while in operation, the electronic control system will immediately alert your driver with the appropriate error code, so they know exactly what is going on and can take appropriate action.



Hydraulic Tilting Cabin. For easy and safe access to the engine bay for your maintenance team or when your driver is performing his regular checks the cabin can be hydraulically lifted and locked into a safe position.



Engine/transmission Protection and Warning Systems. Warning systems, designed to protect your machine's driveline in case of higher than expected temperatures or a pressure build up, are standard on all equipment, avoiding unnecessary mechanical failures.



External reverse light. For the safety of others, all our equipment is equipped with external reversing lights that help the driver keep everyone informed that they are moving backwards.



LED lights. These come fitted as standard on all our equipment, providing better visibility when working in reduced light than halogen lights.



Neutral start switch. A neutral start switch means your driver can't start his machine while it is in gear, preventing any damage to the driveline and any uncontrolled equipment movements.



Convex mirrors. Two convex reverse mirrors on both sides of the cabin for better visibility of what is going on beside and behind the truck.



Great visibility. Kalmar cabins provide your drivers with excellent visibility, forwards, upwards, sideways and behind them to help them stay safe while in operation.



Trailer stops for cabin protection. To prevent damage to the cabin if the driver does not catch the king pin when backing the tractor underneath a trailer, a trailer stop is installed. The two trailer stops are made of heavy duty steel plates fitted to the chassis behind the cabin.

Built to your requirements

Kalmar offers a wide range of options so you can design a terminal tractor that is built to meet your specific needs. Here are just a few you might consider.



Tyre Pressure Monitoring System.

The integrated tyre pressure monitoring system provides the driver with constant updates on the pressure of each individually monitored tyre. This feature enhances safety and helps maintain optimal tyre conditions, preventing blowouts and ensuring consistent machine performance.



Drive Speed Limitation System. Automatically restricts the speed at which your equipment can be operated, helping to reduce wear and tear as well as fuel consumption.



Central Greasing System. This system ensures that your equipment's key components are always fully lubricated, no matter where they are or how difficult they are to access, helping to reduce wear and tear, maintenance time and costs.



Lift height limited. A lift height limiter makes sure that your operators never accidentally lift their loads too high, keeping them, your equipment and any load being handled safe and manageable.



Dual fuel tanks. Having to stop and refuel during a shift can take time and lower overall productivity, which is why we offer a dual tank option. With a total capacity of 378 ltr you will be able to operate a full shift without having to stop and take time out to refuel.



Road ready package. To be able to register your terminal tractor to operate on the open road specific upgrades must be performed to comply with local regulations. These requirements may change from country to country, we can advise you what needs to be done and help you with a full road ready upgrade package.



Tyre packages. Not all trucks operate on the same surfaces and in the same weather conditions, which is why we offer a range of different tyre packages which can be matched to your specific needs.



Driver comfort. There are also many additional options to keep your drivers comfortable whilst working. You could upgrade their seat and add a headrest, electric driver window, a radio + MP3/USB player with DAB, a clipboard with built in lights, an overhead window or choose from a range of sunshades and screens.



Additional working lights. If your terminal tractor is operating around the clock or in areas where light is limited, there is a range of additional LED lights that can be fitted to help maintain the highest levels of visibility.



Idle Shutdown. To conserve fuel while your terminal tractor is idling, an idle shutdown system can be installed which automatically turns your engine off after a designated period of time, reducing fuel consumption and costs.



Extra ABS Connectors. If you need extra ABS connectors we offer both 7 and 15 pin connectors to make sure your trailers can be moved safely.



Reversing Camera. So your drivers can see more clearly what is going on behind them you can add a rear mounted reversing camera with digital display in the cabin.



Financing options

You may choose to buy your new terminal tractor outright or consider leasing or renting your equipment. Kalmar offers a range of leasing and renting options that can give you the financial predictability you need and the option to upgrade your equipment after a fixed period. With our leasing packages you can focus on your core operations, while we perform all your service and maintenance needs required by your fleet.

You just need to choose which leasing package and level of service and maintenance support is right for your business. Kalmar can also look at you trading-in your old equipment. No matter what your service and support needs are, make sure that you speak to your local Kalmar team first.



Keep moving with Kalmar Services

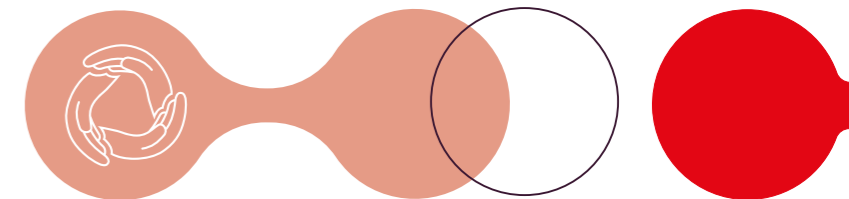
To keep your business moving Kalmar Services offers a range of services that can help you keep your equipment moving optimally.

Kalmar Care

Care that keeps your business moving.

With Kalmar Care you get a flexible service that's built around your business. Including, the experience and knowledge of Kalmar's dedicated staff, coupled with transparency and increased predictability of costs.

Kalmar Care is available in three different service models: our two customisable contracts – Essential Care and Complete Care – and our flexible solution On Demand Care.



Service models:



Essential Care

A maintenance solution to keep your equipment in an optimal condition.



Complete Care

A complete service solution providing piece of mind and maximum equipment uptime.



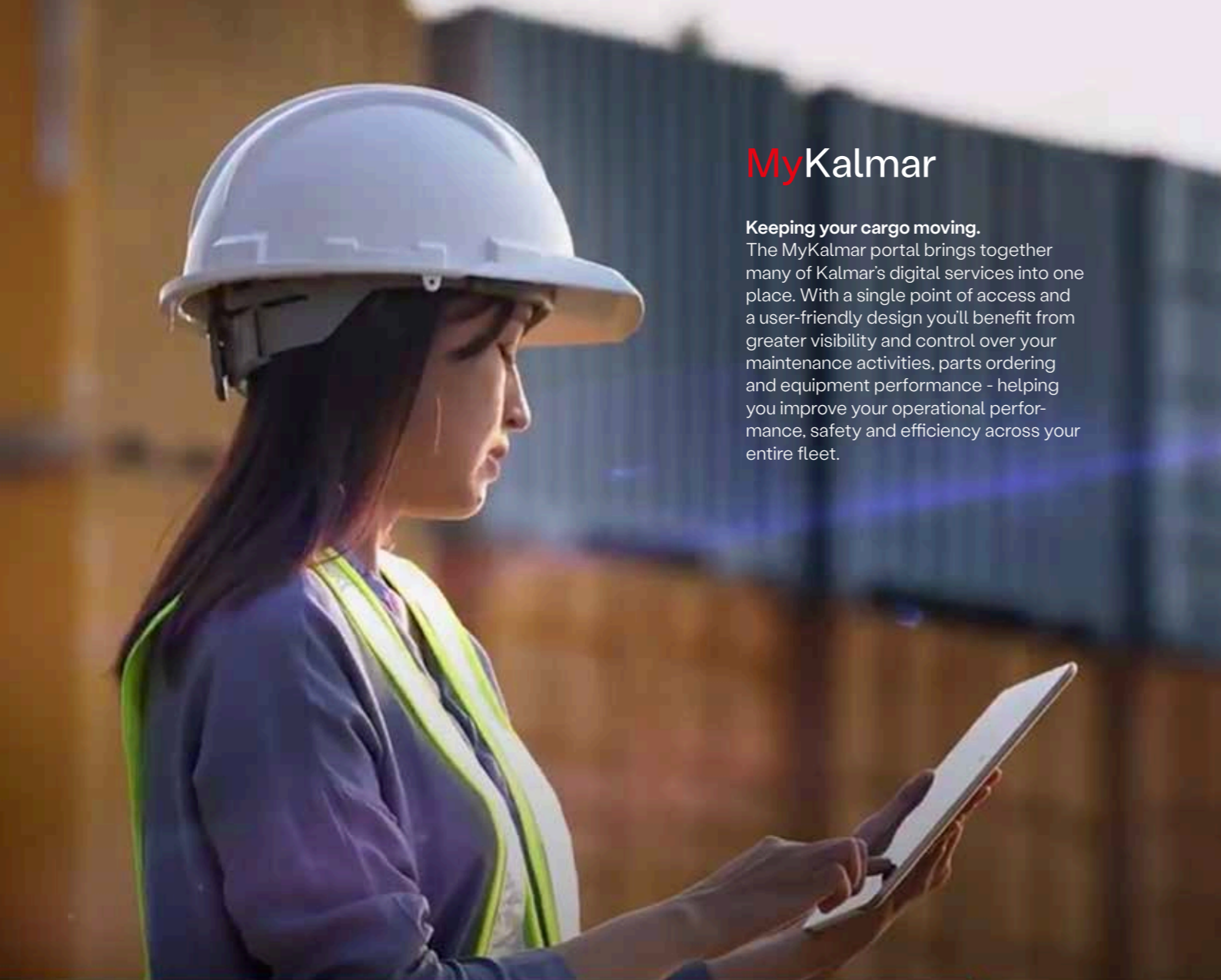
On Demand Care

Top-of-the-line service whenever you need it.

Maintenance Planning	●	●
Preventive Maintenance	●	●
Predictive Maintenance		●
Corrective Maintenance		●
Preventive Spare Parts	●	●
Corrective Spare Parts		●
Lubricants	●	●
MyKalmar	●	●
MyKalmar INSIGHT	●	●
Tyre Maintenance		●
Battery Maintenance		●

● Included ● Optional

Top-of-the-line service
whenever you need it



MyKalmar

Keeping your cargo moving.

The MyKalmar portal brings together many of Kalmar's digital services into one place. With a single point of access and a user-friendly design you'll benefit from greater visibility and control over your maintenance activities, parts ordering and equipment performance - helping you improve your operational performance, safety and efficiency across your entire fleet.

MyKalmar INSIGHT

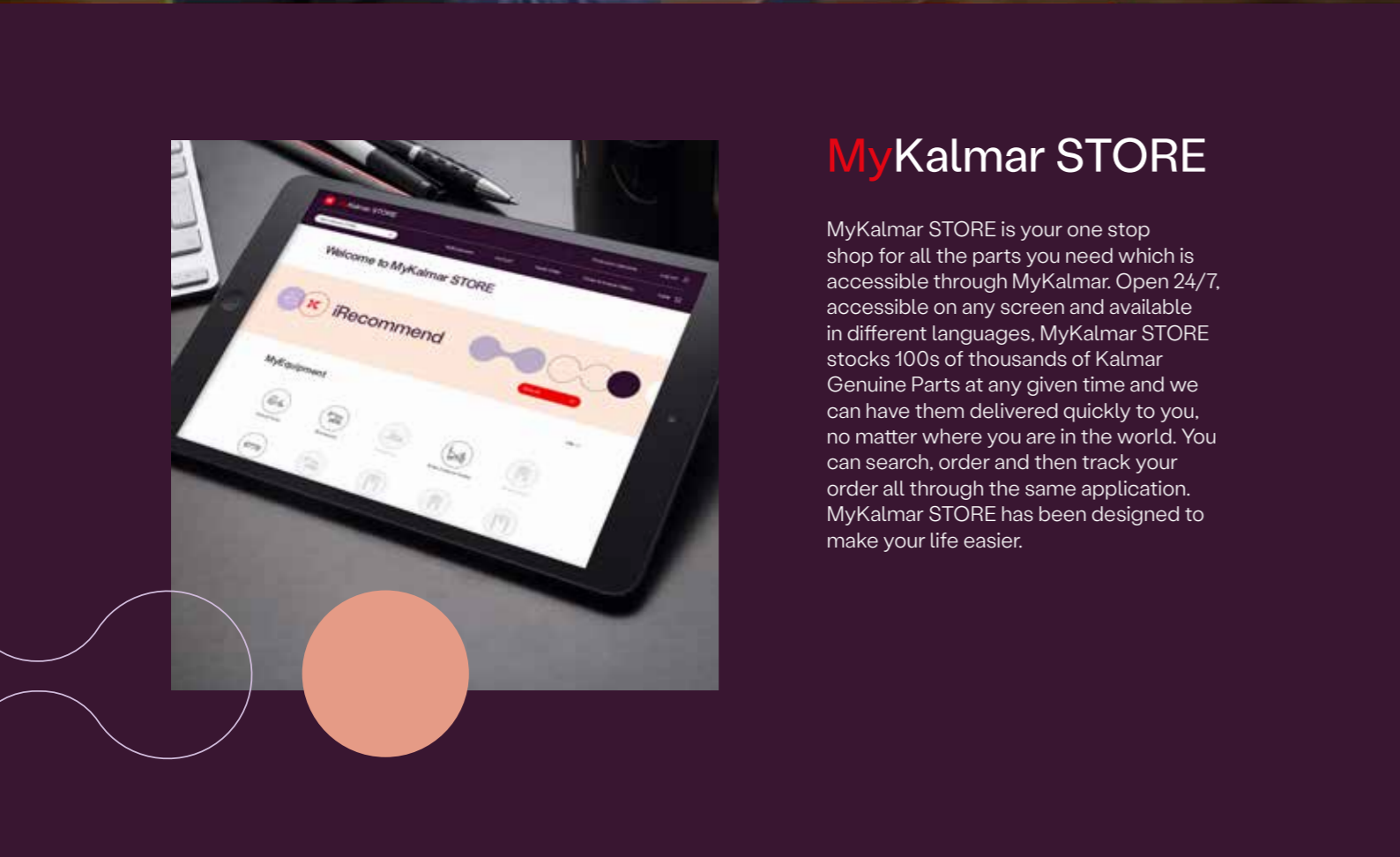
Optimise your operations with Insight.

MyKalmar INSIGHT* is a performance management tool for cargo handling, which gives you an easy to use overview of your fleet operations, by aggregating data from multiple sources, including equipment built by other manufacturers. Review your entire fleet activities, schedule maintenance activities and order the required parts

automatically. All enabling you to take action on real-time information, that will help improve your overall operations immediately. MyKalmar INSIGHT comes fitted and ready to be activated in all new Kalmar equipment, it can also be retrofitted into existing Kalmar equipment or those built by other manufacturers.



*Installation costs and/or an annual subscription fee may apply.



MyKalmar STORE

MyKalmar STORE is your one stop shop for all the parts you need which is accessible through MyKalmar. Open 24/7, accessible on any screen and available in different languages, MyKalmar STORE stocks 100s of thousands of Kalmar Genuine Parts at any given time and we can have them delivered quickly to you, no matter where you are in the world. You can search, order and then track your order all through the same application. MyKalmar STORE has been designed to make your life easier.

Kalmar Training

Enhance your skills.

To get the most out of your new machine our training centre offers a range of courses for both your technicians and operators. Operators can be taught how to drive the machine for optimum performance and minimum waste, and to learn what needs to be checked daily for optimal safety. Technicians can be educated with the knowledge they need to keep your new equipment in top condition in a safe way. Courses are a mix of theory and hands-on experience.



Choosing the right model

Here is a quick easy guide as to which TT7 model might be right for your business.

TT770 Distribution Model

Gross combination weight:
70,000 kg

Lifting capacity:
20,000 kg

This model is ideal for:
Moving trailers in
distribution centres.



TT785 Port and Intermodal Model

Gross combination weight:
85,000 kg

Lifting capacity:
28,000 kg

This model is ideal for:
Moving heavier road and container
laden trailers for port and intermodal
shunting, distribution centres and
heavy industry yards.



TT795 LoLo Model

Gross combination weight:
95,000 kg

Lifting capacity:
32,000 kg

This model is ideal for:
Moving heavy container laden
trailers in ports and terminals.

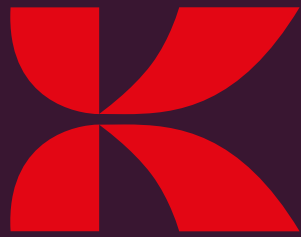


Specifications

Model	TT770	TT785	TT795
Gross Combination Load	70,000 kg	85,000 kg	95,000 kg
Wheelbase	3450 mm	3450 mm	3200 mm
Overall Length	5360 mm	5360 mm	5105 mm
Trailer clearance Boom up	2476 mm	2476 mm	2220 mm
Trailer clearance Boom down	2590 mm	2590 mm	2335 mm
Front Axle	Kalmar FA11 11250 kg @ 20 km/h 335 mm	Kalmar FA11 11250 kg @ 20 km/h 335 mm	Kalmar FA11 11250 kg @ 20 km/h 335 mm
Rear Axle	Kalmar RA38 12.20 38,000 kg @ 20 km/h	Kalmar RA38 12.20 38,000 kg @ 20 km/h	Kalmar RA38 14.60 38,000 kg @ 20 km/h
Engine Model	Cummins B6.7 Tier 5/EU stage 5	Cummins B6.7 Tier 5/EU stage 5	Cummins B6.7 Tier 5/EU stage 5
Power kW @ rpm	129 kW @ 2200 rpm	168 kW @ 2200 rpm	168 kW @ 2200 rpm
Rated torque @ rpm	841 Nm @ 1500 rpm	1186 Nm @ 1300 rpm	1186 Nm @ 1300 rpm
Transmission	Allison 3000RDS	Allison 3000RDS	Allison 3000RDS
Load carrying	430 mm 20,000 kg	430 mm 28,000 kg	430 mm 32,000 kg*
5th Wheel	Holland FW 3510-TR-EG	Holland FW 3510-TR-EG	Holland FW 3510-TR-EG
Suspension	Rear axle air suspension with lowering	Rear axle air suspension with lowering	Solid axle

*Lifting capacity 36,000 kg as an option.

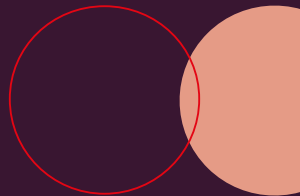
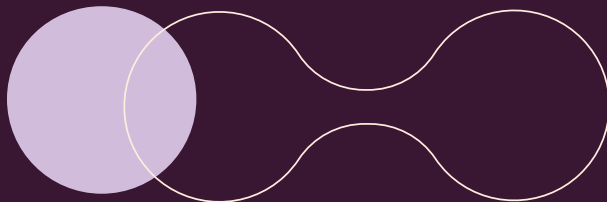
Tyre size	Down Height		Cab height	Ground clearance
	Rigid Axle	Air Suspension W/lowering		
295/60R22.5	1102 mm	1062 mm	3191 mm	123 mm
280/74R22.5	1135 mm	1095 mm	3213 mm	156 mm
11R22.5	1156 mm	1116 mm	3250 mm	177 mm
310/80R22.5	1177 mm	1137 mm	3269 mm	198 mm
315/60R22.5	1135 mm	1095 mm	3213 mm	198 mm
300/80R22.5	1162 mm	1122 mm	3254 mm	183 mm



Kalmar

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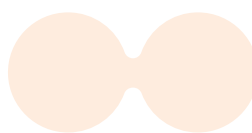
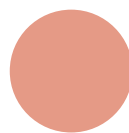
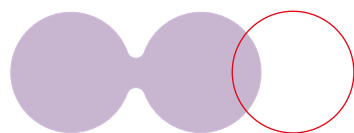
Quick guide



Here you will find a side by side comparison of all five TT7 models so you can make the right choice for your customers.

Model	TT770	TT785	TT795	TT750 EV Coming soon	TT790 EV Coming soon
Application	Distribution	Ports and Intermodal	LoLo	Distribution	Ports, Intermodal and LoLo
Primary use	Moving trailers empty and loaded	Shunting and moving heavier road and container trailers	Shunting and moving heavy road and container trailers	Moving trailers empty and loaded	Shunting and moving heavy road and container trailers
GCW	70.000 kg	85.000 kg	95.000 kg	50.000 kg	90.000 kg
Lifting capacity	430 mm 20.000 kg	430 mm 28.000 kg	430 mm 32.000 kg*	430 mm 23.000 kg	430 mm 36.000 kg
Wheelbase	3450 mm	3450 mm	3200 mm	3450 mm	3200 mm
Boom up / down	2476 mm / 2590 mm	2476 mm / 2590 mm	2220 mm / 2335 mm	2476 mm / 2590 mm	2220 mm / 2335 mm
Overall length / width	5360 mm / 2550mm	5360 mm /2550 mm	5105 mm / 2550 mm	5360 mm / 2550 mm	5105 mm / 2550 mm
Fuel supply	Diesel / HVO	Diesel / HVO	Diesel / HVO	Lithium-ion Battery	Lithium-ion Battery
Engine	Cummins B6.7	Cummins B6.7	Cummins B6.7		
Emissions	Tier 5/EU stage 5	Tier 5/EU stage 5	Tier 5/EU stage 5	Zero emissions at source	Zero emissions at source
Battery storage				105 kWh, 140 kWh or 210 kWh	140 kWh or 210 kWh
Charging				CCS2 / DC FastCharge 150 kW	CCS2 / DC FastCharge 150 kW
Power	129 kW @ 2200 rpm	168 kW @ 2200 rpm	168 kW @ 2200 rpm	490 kW	490 kW
Torque	841 Nm @ 1500 rpm	1186 Nm @ 1300 rpm	1186 Nm @ 1300 rpm	3400 Nm	3400 Nm
Max speed	40 km/h	40 km/h	40 km/h	40 km/h	35 km/h
Front axle	Kalmar FA11 11250 kg @ 20 km/h 335 mm	Kalmar FA11 11250 kg @ 20 km/h 335 mm	Kalmar FA11 11250 kg @ 20 km/h 335 mm	Kalmar FA11 11250 kg @ 20 km/h 335 mm	Kalmar FA11 11250 kg @ 20 km/h 335 mm
Rear axle	Kalmar RA38 12.20 38000 kg @ 20 km/h	Kalmar RA38 14.60 38.000 kg @ 20 km/h	Kalmar RA38 16.2 38000 kg @ 20 km/h	Kalmar RA38 12.20 38000 kg @ 20 km/h	Kalmar RA38 16.2 38000 kg @ 20 km/h
5th wheel	Holland FW 3510-TR-EG	Holland FW 3510-TR-EG	Holland FW 3510-TR-EG	Holland FW 3510-TR-EG	Holland FW 3510-TR-EG
Suspension	Rear axle air suspension with lowering	Rear axle air suspension with lowering	Solid axle	Solid axle	Solid axle

*Lifting capacity 36.000 kg as an option.



Standard and Optional features



The TT7 Series has many great standard features that you can highlight, plus many more safety features that all come as standard. Plus there is a wide range of optional features that will allow your customers to adapt the truck to their needs.



Standard features on all models

- Galvanised steel frame
- New three part bumper design
- Additional brake valve
- Heavy duty boom
- LED lights
- Air conditioning, heating and ventilation
- Galvanised side panel for extra protection
- Reinforced frame
- Large digital display
- Hydraulically controlled fifth wheel
- Cup holder, USB ports and adjustable seat
- Adjustable steering column with knob
- Reinforced axle
- Enhanced steering and responsive acceleration
- Sun visor and air dryer
- Front shock absorbers
- Rear mudguards - plastic
- Reinforced frame for TT795 model
- Fixed spiral hoses, double line



Safety features on all models

- Three point contact system
- Side access stairs
- Rear platform
- Rear access door
- Non-slip surfaces
- Trailer stops
- Convex mirrors
- Hydraulic tilting cabin**
- Neutral start switch
- Engine/Transmission Protection and Warning Systems
- LED lights
- External reversing light
- Excellent all round visibility forwards and backwards
- Error code information on digital display
- Interlock on Allison Transmission



Optional features to customise your truck*

- Tyre pressure monitor
- Drive speed limiter
- Central greasing system
- Lift height limiter
- Dual fuel tanks
- Road ready package
- Additional working lights
- Radio + MP3/ USB player with DAB, a clipboard with lights
- Idle shutdown
- Extra ABS connectors
- Reversing camera
- Upgradable seat/ electric windows/ sun shades
- Mudguards and engine cavity protectors

* Many additional options available.

** TT770 and TT785 only.

