



**Kalmar electric forklift truck**

# **Electric evolution**

11,000 lbs. – 19,000 lbs. capacity







# Can you afford not to choose Kalmar?

You will come to the same conclusion whether you take the user or owner perspective. A total solution from Kalmar offers lower operational costs, improved reliability, increased personal safety, reduced maintenance and a better internal and external environment.

Whatever business you are in, you need to take a life cycle perspective on your investment to create the best opportunities for improved competitiveness.

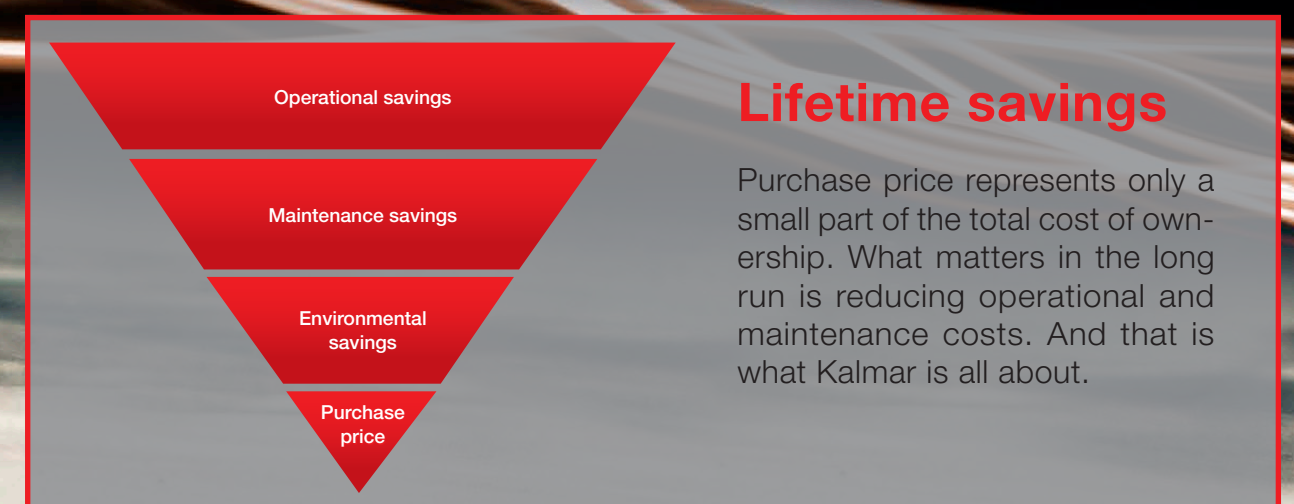
In order to reduce operational costs over time, you need a high quality product, developed by a supplier that has extensive experience designing machines for demanding working conditions. You can trust a Kalmar truck to deliver when you need it the most.

Our new generation of electric trucks offers optimum battery usage for up to 15% longer operational cycles, a market leading diagnostic

system that helps you improve uptime, and excellent service friendliness.

Kalmar's new cabin generation offers industry-leading ergonomics and perfect visibility in every angle around the machine. The driving environment can be adjusted to optimise the driver's position and performance. The responsive hydraulic system improves the driving experience and precision.

A Kalmar truck offers you market-leading total cost of ownership through higher operational efficiency, lower maintenance cost and longer lifetime expectancy.





# A winning concept in the long run

As your business partner, Kalmar has designed a total solution that will improve your competitiveness and help you build a sustainable business. A solution that will benefit both the environment and your performance – and make all of us winners in the long run.

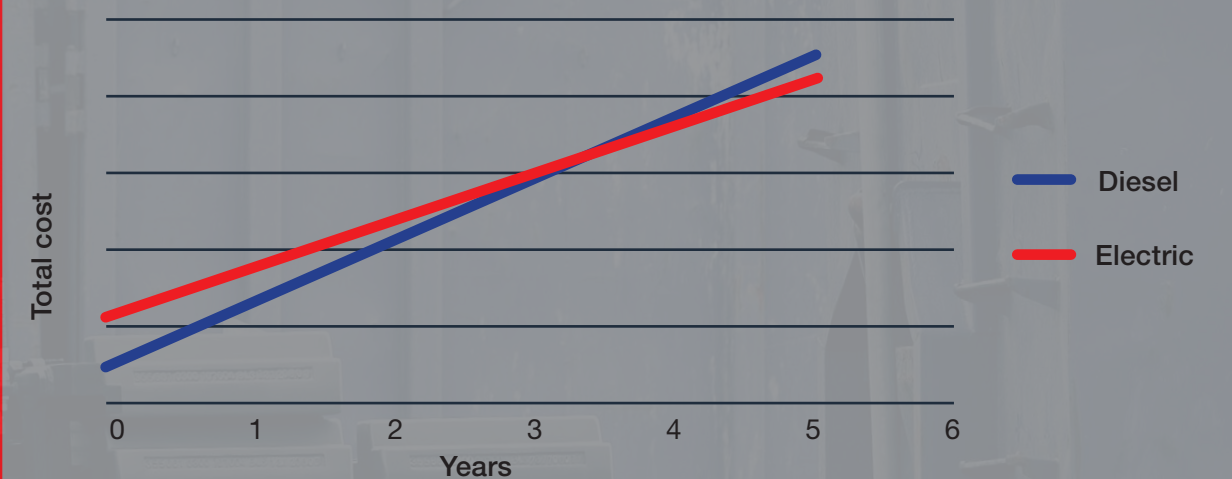
We have put in all our experience as a provider of heavy forklift trucks when designing our new electric truck. The result is a truck with performance that matches our powerful diesel trucks – only completely free from emissions and vibrations. The best of two worlds.

You can use the truck even for very heavy industrial tasks, without losing out on either productivity or the pleasure of driving. Yet the true benefits of going electric comes in the long term, when you begin to enjoy the truck's low life cycle cost.

Investing in a Kalmar electric forklift will break even in slightly over three years time. Combined with savings from fewer and shorter standstills, faster maintenance and longer service life, this makes the truck a very attractive investment.

## Some winning features


- Selectable capacities and optional wheelbases and widths mean increased flexibility
- Improved driving experience and precision thanks to new hydraulics
- Excellent visibility and ergonomics enable faster and safer handling as well as a healthier operator environment
- Optimisation of operational cycles and follow up using RMI reports
- With Eco mode activated, energy consumption is reduced by 15% compared to our previous model (ECF50-90).



Using a Kalmar Electric Forklift truck pays off in the long run. In slightly over three years time, Kalmar's new Electric forklift truck will break even compared to the equivalent Diesel truck.

Note: Calculations are based on 2,500 operational hours per year, a diesel consumption of 2.11 gal/h at \$4/gallon, and electricity use of 17 kWh per hour at \$0.10/hour.





# Quality and experience makes all the difference

Uptime depends on many things. For example time between stand-stills, duration of stoppages and lifetime expectancy. A Kalmar truck will help you optimise them all.

Firstly, being a Kalmar, the new electric truck is by definition reliable. Secondly, electric trucks are by nature dependable, without the need to change starter motor, turbo or fuel filters. Now imagine what an electric truck from Kalmar will do to your productivity.

Much of the necessary preventive maintenance can be made by users themselves. The truck will alert you when it needs attending, which means fewer and shorter stops. In fact, the truck can be customised to your company's driving patterns to minimise wear and stoppages.

When our service personnel *do* need to get to your site, they will be able to finish the job more quickly thanks to simplified maintenance and market-leading diagnostic systems and tools.





# Wallet and environmental friendly

Going electric is truly a statement. No more greenhouse gases or particles. No more harmful vibrations. And no more noise in the factory.

To some, an electric truck is required to handle sensitive goods such as food or beverages. To others, going electric is in line with progressive sustainability policies. But regardless of your type of operation, you will enjoy the truck's zero emission, low vibrations and quiet operation.

Putting an end to fossil fuels in forklift trucks will also show on your bottom line.

There is no longer need for regular diesel truck transports, and your energy running costs will be dramatically reduced.

In fact, according to calculations it is possible to reduce costs by up to 75%\* every year from energy savings alone. Add higher lifetime availability and lower maintenance costs – and you are looking at a really smart deal.

\*) See chart on page 5.



# Traditional Kalmar benefits now even more beneficial

With the new electric truck, traditional Kalmar benefits have become even more beneficial. We have added new features that save energy, improve driving experience and increase safety and ergonomics – placing this truck in a class of its own.

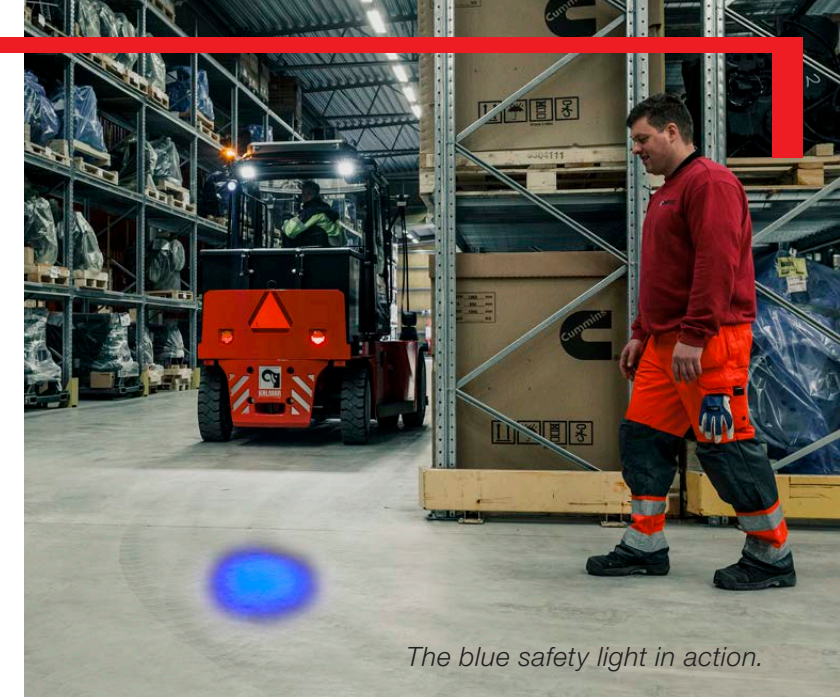
## Eight features that add extra value to your truck

1. Eco Drive Modes
2. Shorter wheelbases
3. Blue safety light
4. Improved driver experience
5. LED lights all around
6. High capacity model (17,600 lbs. @ 43")
7. Lower energy consumption
8. Market-leading diagnostic system and tools



## Safety features

Safety has always been a Kalmar trademark and the new electric truck is no exception. It will meet, and exceed, any safety regulation that may apply in your local market. A quiet haven in a busy plant, a low-noise electric truck can actually be a risk as it moves around virtually unnoticeably. The blue safety light alerts people that the truck is approaching, reducing the risk of accidents.



*The blue safety light in action.*

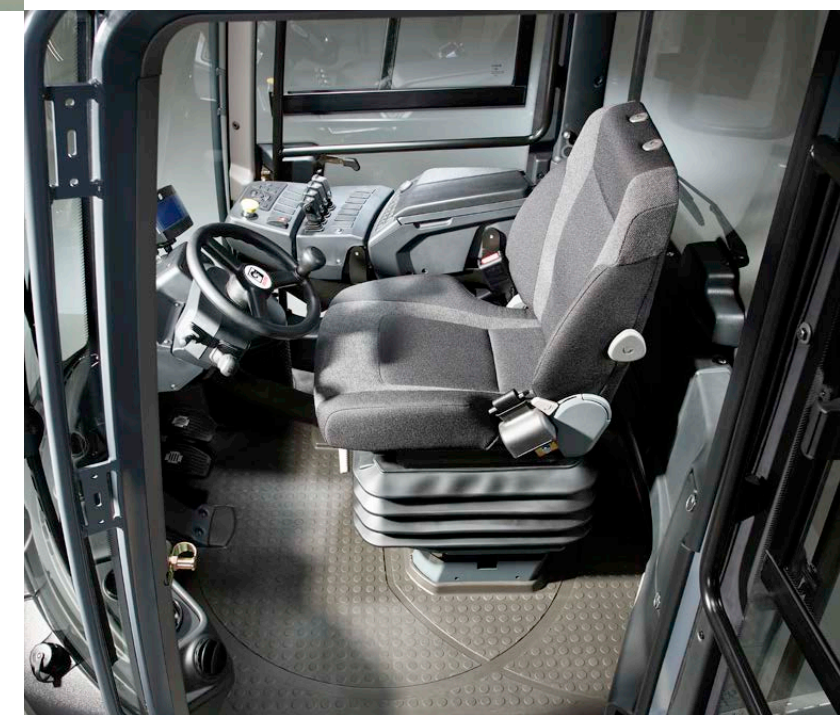
## Energy saving features

Sometimes a job must be done fast. Then you need all the speed you can get. The next day you may have to save energy to ensure your battery lasts throughout a long shift. Eco Drive Modes allow you to optimise the truck's performance characteristics for speed, energy saving or normal driving. With Eco mode activated, energy consumption is reduced by 15% compared to our previous model (ECF).



## Ergonomics features

The truck comes with the ergonomic EGO cabin, which offers adjustability, improved visibility and ergonomic levers. The rotatable seat is a perfect option when driving involves a lot of reversing – a time saving feature, activated by pushing a button, which also protects the driver's neck and shoulders.







Kalmar offers the widest range of cargo handling solutions and services to ports, terminals, distribution centres and to heavy industry. Kalmar is the industry forerunner in terminal automation and in energy efficient container handling, with one in four container movements around the globe being handled by a Kalmar solution. Through its extensive product portfolio, global service network and ability to enable a seamless integration of different terminal processes, Kalmar improves the efficiency of every move. [www.kalmarglobal.com](http://www.kalmarglobal.com)

Kalmar is part of Cargotec. Cargotec's sales totalled approximately EUR 3.2 billion in 2013 and it employs approximately 11,000 people. Cargotec's class B shares are quoted on NASDAQ OMX Helsinki under symbol CGCBV. [www.cargotec.com](http://www.cargotec.com)

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