

# FARMA<sup>®</sup> LF 8

 FORS MW



*– Attention to Detail.  
Passion for Excellence.*

# History about how it all started | FARMA®

The story of FARMA is the story of Leif Fors, a true entrepreneur. Towards the end of the 80s, Leif could never have imagined that a machine business would be the start of a journey that would lead to the establishment of one of Europe's largest production plants for forestry and agricultural machinery in Estonia.

Leif told us how it all began: "At the end of the 80s I took the ferry over to Estonia. The main reason for the trip was curiosity, and a great deal of general interest. But the misery I encountered just 400 kilometres off the Swedish coast had a profound effect on me. I just couldn't ignore it and go home. As an entrepreneur, I felt I was forced to do something."

"The company began by manufacturing everything from circular saws to candlesticks, but business was not exactly booming. My interest in forestry led me towards the idea of

manufacturing a lumber trailer." And so it was, the first FARMA trailer was constructed on the factory floor. Initially the quality was nothing to brag about, but the price level was something else and groundbreaking.

Leif continues: "I have always liked the forest. It was therefore exciting in the early 90s to be able to start my own farm and woodland in Estonia. The choice of lumber trailer was obvious, and over the years the Fors MW products have been industriously tested on the estate. It has happened many times that I have come into the factory in a state of irritation, after working hard on the estate during the weekend and involving everyone in the erroneous positioning of a cylinder."

In 2011, at a time when there was almost no forwarder in the middle class, Leif had analysed the market and realized that a forwarder around 8-tonnes was missing. "8-tonne

forwarders, that's the future!" Leif announced one morning, and there were several of us who shook our heads a little that morning.

But when all was said and done, the project was set in motion. Simple sketches were drawn up and the work of finding a designer was initiated, but without success. Leif passed away from cancer in 2015 and with that the project was moth-

ballled. The company is managed today by Leif's daughter, Ulrica Fors.

Ulrica recalls, "During the summer of 2020, a strange time for us all, we found one day the email with Leif's simple sketches on his FARMA forwarder. A crazy project to say the least, but at the same time so right. We immediately felt that this is what we should do. The time had come, it was finally time to realize Leif's dream and at the same time take a big technological step forward. The name LF8 is a tribute to the man, the myth and the legend and stands for Leif's Forwarder.

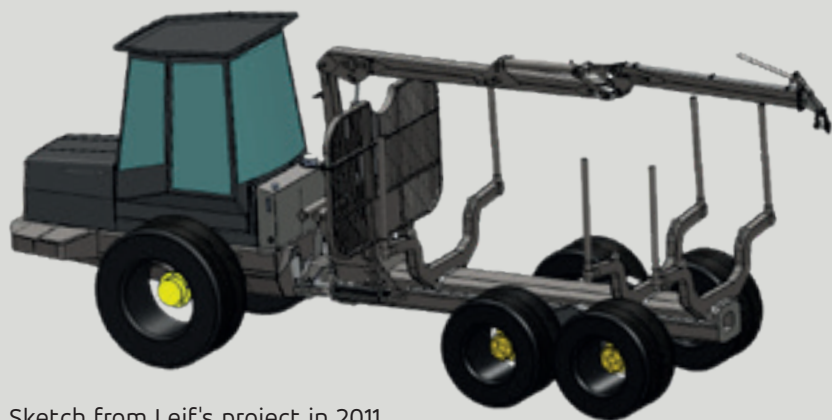
Our 30-year history has made us humble about the future. We know that anything can happen, and we know that you are never better than your last innovation or customer contact. For us, it is important to be close to our customers. From our family to yours, we want you to feel safe with your FARMA investment.

It is with great joy that we now embark on our biggest journey ever. It starts with the FARMA LF8, but where it goes from there, the future will tell."



Ulrica Fors  
CEO

**FARMA® BIGAB**



Sketch from Leif's project in 2011.



**FARMA® LF8**

The FARMA LF8 is a compact 8-wheel forwarder with good manoeuvrability in rough terrain and dense forests. With the LF8, you get an efficient thinning forwarder with high performance.

# FARMA® LF8

## WHEN EACH FOOTPRINT COUNTS

The FARMA LF8 is gentle on the environment in which it operates. The low weight of the forwarder together with a minimal tyre ground pressure results in a machine that leaves the smallest possible footprint in the forest. That has been accomplished through a transmission, where we optimize the speed of each wheel in the forest. Always with 100% optimal power distribution.

## GET THROUGH TOUGH AND DENSE TERRAIN

The FARMA LF8 is a powerful machine that gets the job done. Thanks to its width of only 2.3 meters (600 tires) and a large turning angle of 50°, the machine operates efficiently in the forest without traditional base roads.

The location of the steering joint in combination with the transmission's adjustment of wheel speed ensures the machine to track when turning.





### **STABLE AND SAFE**

During the development of the LF8, the focus has been on designing a machine with high ground clearance but which at the same time stands stable and safe during crane work and driving in difficult terrain. This has been achieved by optimizing the placement of heavy components, for the best possible weight distribution.

### **A CRANE FOR YOUR NEEDS**

The choice of cranes is from our own FARMA range. Customize the machine according to your conditions and wishes. For the LF8, we offer cranes from 6.7 up to 9.7 meters as well as grapples in sizes 0.20 to 0.24. The high oil capacity provides opportunities for demanding accessories such as a brash cutter, flail mower or a harvester head.

### **AN ENGINE WITH THE POWER TO DO THE JOB**

The diesel engine from Caterpillar is a modern and reliable 136 hp engine that fulfils all present emissions standards. An engine to trust and with the power to do any job. Should the need exist, Caterpillar offers one of the worlds most extensive support networks.

**FARMA – From forest to future  
– We shape the landscape.**

# FARMA® LF 8

## NO PROBLEM WITH BOGIE BALANCING ISSUES



As the bogie axle is designed for wheel motors there is no rotating force transferred through the bogie axle bearing which can cause bogie lift/balancing issues or impair driver comfort. The Bogie axle is completely free to rotate and follow the terrain with optimal weight distribution and traction. Wheel motors guarantee full traction and climbing ability in all situations.

## TIGHT TURNING RADIUS!



Without the need for a central drive shaft we can optimize the steering angle to 50° which generates an agile/nimble and low impact machine concept.

## WHEEL SPEED AND POWER OPTIMIZED WHEN STEERING!



Optimized wheel speed, with full 8-wheel drive in forest work mode, results in less ground damage and less wear and tear on construction and transmission.



## **A GOOD WORK ENVIROMENT**

FARMA LF8 has, for its machine size, a very spacious and comfortable cab with ergonomic solutions to optimize the operator's working day. Visibility in the cabin is good in all directions. Skylights are included as standard. The cabin is well ventilated and equipped with heating and AC as standard.

In the standard version, the chair is mechanically sprung. Air suspension and seat heating are available as options.

The majority of all functions are gathered in the mini levers. The machine is controlled easily and comfortably with the levers. Settings are managed via the easy-to-understand touch screen.

## **EASY TO SERVICE AND MAINTENANCE**

The construction of the LF8 contributes to durability. The focus has been set on service access. When the cab is tilted, spacious access to all service points is provided. A simple and cost-effective service is made possible by having few bearings, joints, and unique service parts. Our technical support can remotely connect to the machine for analysis, troubleshooting or software update.



# FARMA® LF 8

**FORS MW**  
[www.farmaforwarder.com](http://www.farmaforwarder.com)  
[www.forsmw.com](http://www.forsmw.com)

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## TECHNICAL DATA

### DIMENSIONS

|                        |                                                               |
|------------------------|---------------------------------------------------------------|
| Typical weight:        | From 9 150 kg                                                 |
| Length:                | 8.43 m (standard), 8.83 m (long)                              |
| Width:                 | 2.34 m (500 tires)<br>2.34 m (600 tires)<br>2.5 m (700 tires) |
| Transportation height: | 3.35 m                                                        |
| Ground clearance:      | 550 mm                                                        |
| Steering angle:        | 50°                                                           |

### LOAD AREA

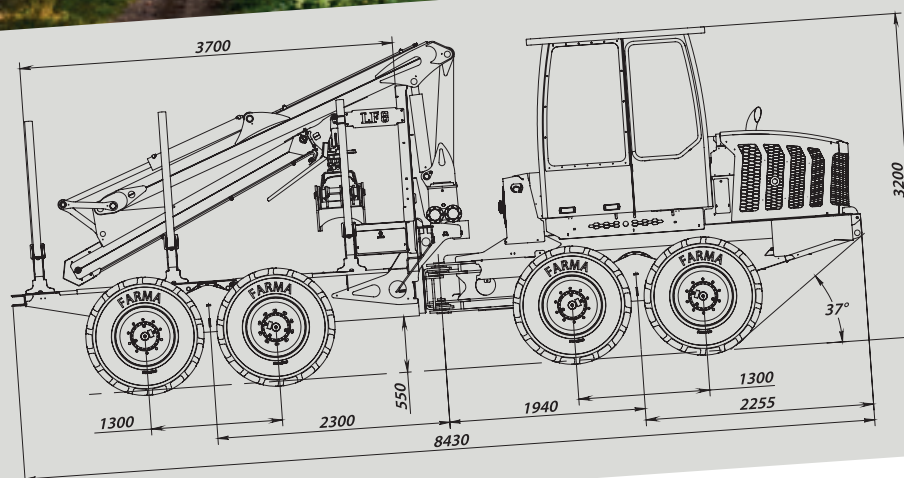
|                   |                                                                                 |
|-------------------|---------------------------------------------------------------------------------|
| Gross load:       | 8 500 kg                                                                        |
| Railing area:     | 2.8–3.0 m²                                                                      |
| Load area length: | 3.7 m (Standard)<br>4.1 m (Long, is only possible with cranes up to 7.7 meters) |

### ENGINE

|                   |                                |
|-------------------|--------------------------------|
| Model:            | CAT C3.6 Steg V / Tier 4 Final |
| Power:            | 100 kW/136PS                   |
| Torque:           | 550 Nm                         |
| Fuel tank volume: | 120 L                          |

### TRANSMISSION

|                 |                 |
|-----------------|-----------------|
| Type:           | 8WD Hydrostatic |
| Tractive force: | 150 kN          |
| Driving speed:  | 16 km/h         |



### ELECTRONICS

|                 |             |
|-----------------|-------------|
| Control system: | Parker IQAN |
| Voltage:        | 24 V        |
| Battery:        | 2x 110 Ah   |
| Alternator:     | 100 Ah      |

### HYDRAULIC SYSTEM

|               |                                 |
|---------------|---------------------------------|
| Pump:         | Load sensing with power control |
| Max pressure: | 350 bar                         |
| Max flow:     | 260 L                           |

### CRANE RANGE

|        |                       |
|--------|-----------------------|
| Reach: | 6.7 and 7.7/9.7 X-CEL |
|--------|-----------------------|

### GRAPPLE RANGE

|        |             |
|--------|-------------|
| Model: | 0.20 / 0.24 |
|--------|-------------|

FOPS/ROPS/OPS Certified  
 AC in standard