

OPTIMA™

Lojer Merivaara Optima birthing bed



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Main features:

1. Enables multiple safe delivery positions
2. The midwife can easily access the mother from different positions
3. Three different Optima models for different needs

Optima birthing bed family offers safe, comfortable and ergonomic childbirth during all stages of labour and also when special medical attention is required. The renewed Optima bed has been designed with the mother, midwife and obstetrician in mind. We have focused particularly on ergonomics, safety and mobility to help create a better environment for both the family and health care staff.

Multiple delivery positions in a single unit affords a greater level of comfort for the mother. The midwife can easily access the mother from different positions thus improving ergonomics and safety. Furthermore, the bed features electric or manual Trendelenburg and manual back section quick release for enhanced safety. Antibacterial coating on the frame together with a clear frame construction enables easy cleaning and high level of hygiene. Optima birthing bed can also be used for transportation within the hospital.



Leg section tilt increases the birthing position variations (only in 4-motor model). Leg section can be moved in and out in every model.



Ultra light yet stable, the leg section is easy to manoeuvre and slide in under the bed together with the mattress thus making the work flow faster and more ergonomic. The height adjustable leg section can also bear a workload (SWL) of 80 kg.



The large stainless steel bowl under the bed can be pushed under the leg section and pulled out when needed.



Both knee crutches and squatting bar can be attached to the seat section with the unique patented locking mechanism or to the leg section with a plug-in system, offering more freedom for different positioning.



Electrical and manual Trendelenburg improve patient safety.



New design rail option, both stylish and more hygienic.

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■ Healthcare | Senior Care | Medical Wellness

OPTIMA™ Three different models



Optima 4-motor

Electric functions:

- Height adjustment
- Back section adjustment
- Leg section height adjustment
- Trendelenburg

Manual functions:

- Leg section movement in and out
- Leg section tilting

Extra safety features:

- Manual Trendelenburg
- Manual quick release for back section

Optima 2-motor

Electric functions:

- Height adjustment
- Back section adjustment

Manual functions:

- Leg section movement in and out
- Trendelenburg
- Quick release for back section



Optima hydraulic

Manual functions:

- Back section (gas spring assisted)
- Height adjustment (hydraulic pedal)
- Trendelenburg
- Leg section movement in and out

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EXAMPLES OF BIRTHING POSITIONS



Sitting position

Benefits:

- Efficient pushing position with good ergonomics
- Optimises gravity and helps widen the pelvic opening which makes labour easier

Optima provides:

- Wide foot rests
- Grab handles for enhanced pushing force
- A wide range of leg section adjustments for faster labour and improved midwife ergonomics



Upright position with squatting bar

Benefits:

- Optimises gravity and helps widen the pelvic opening which makes labour easier
- Relaxation of pelvic area allows for a more comfortable delivery for the mother
- Also works in combination with a gymnastic ball

Optima provides:

- Squatting bar for arm support
- Slide-in leg section for more space
- Squatting bar can also be used for standing support



EXAMPLES OF BIRTHING POSITIONS

Lateral position



Benefits:

- Makes it easier to relax between the contractions and pushing sessions
- It also minimises pressure on perineum and maximises blood flow to the uterus and the baby
- Ergonomic position for mothers of different sizes

Optima provides:

- A wide range of adjustments for the leg rests
- Convenient locking of the clamps (patented mechanism)



Kneeling position



Benefits:

- Reduces pressure on the diaphragm and improves the blood supply to the contracting muscles
- Easy to find a comfortable pelvic position

Optima provides:

- Wide adjustment of seat and back section
- Slide-in leg section affords lots of space around the patient and the delivery bed

Accessories for all models



Knee crutches, pair
A42462200



Foot rests
A42559000



Infusion rod
4-hooks 100000499



Lifting pole
A41884100



Squatting bar
A42749500



Side rails
A42200100 4-motor model
A42801000 2-motor + hydr. models



Side rails
A42718200 4-motor model
A42750700 2-motor + hydr. models



Bed end, foldable
A41935200 4-motor model
A41982900 2-motor + hydr. models



Bed end
100009890 4-motor model
100009990 2-motor + hydr. models



Monitor tray
128009769



Basket for mattress set
100033974



Journal basket
128009784



Hook for electric cable
A41987307



Foot switch
A42471800
for 4-motor model



Patient control panel and under bed light (4-motor model)
A43192000 (without reading light)



Attendant control panel
ACO A42471700
With possibility to lock electric adjustments.
Suitable for 4-motor model.



Attendant control panel
ACO A42964600
With possibility to lock electric adjustments.
Suitable for 2-motor model.



Foot switch
A42965600
for 2-motor model



Patient control panel, reading light and under bed light (2-motor model) A42964800



Potential equalisator A41988100

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Technical data and fetures			
Model	Hydraulic	2-motor	4-motor
Total width	1030 mm	1030 mm	1000 mm
Patient surface width	780 mm	780 mm	780 mm
Total length min-max	1520 - 2110 mm	1520 - 2110 mm	1650 - 2210 mm
Patient surface min-max	1320 - 2010 mm	1320 - 2010 mm	1300 - 2210 mm
Height adjustment	570 - 935 mm	590 - 955 mm	580 - 955 mm
Patient maximum weight	190 kg	190 kg	190 kg
Safe Working Load (SWL)	230 kg	230 kg	230 kg
Leg section Safe Working Load (SWL)	-	-	80 kg
Trendelenburg	12°	12°	12°
Back section adjustment	0 - 60°	0 - 70°	0 - 75°
Leg section height adjustment	-	-	0 - 250 mm
Leg section angle adjustment	-	-	0 - 16°
Castors	Central locking 150 mm with braking bar	Central locking 150 mm with braking bar	Central locking 150 mm with braking bar
Hand control	No	Yes	Yes
Weight	114 kg	118 kg	165 kg
Country of manufacture	Finland	Finland	Finland
CE marked	Yes	Yes	Yes

Other features:

- Frame color: painted silver
- Central locking
- Push handles for patient
- Bowl 12 litres
- Movable leg section in/out (in 4-motor also tilting)
- Clamps for calf supports
- 2- and 4-motor models include a battery
- Mattress set designed for Optima available



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The story of Lojer Group dates back to 1919 when Vammalan Konepaja was founded. In the early years, the company repaired f.ex. bicycles. Today, the company is the largest manufacturer of medical furniture in the Nordic countries and our products are used in 115 countries.