



PRODUCT SHEET

## The Kamille Comfort Wheelchair

### A unique sensory-stimulating comfort wheelchair

The individual fit and extreme comfort help to increase activity level and quality of life of the user.

Max. user weight 140 kg.



UP TO 140 KG

- Asymmetric adjustment of back system and seat system
- Exceptionally flexible armrest
- Electrically adjustable back and electric tilt in space as standard
- Swing away legrest as standard
- Swing away armrest as standard
- Specially developed removable, padded body supports (optional)
- Detachable swing away legrests (optional)



# The Kamille Comfort Wheelchair

## General

This product sheet contains important information on the Kamille Comfort Wheelchair's use and target group. It also includes a range of specifications for the Kamille Comfort Wheelchair.

The latest version of this product sheet can be found on our website. Check that you are using the latest version.

If you need a version printed in a larger font size, it is available in PDF format at [cobirehab.com](http://cobirehab.com), where it can be scaled up to the desired font size.

Please call us on +45 7025 2522 or send an e-mail to [cobi@cobi.dk](mailto:cobi@cobi.dk) for more information about the Kamille Comfort Wheelchair.

Cobi Rehab reserves the right to change the product specifications without prior notice.

The wheelchair's UDI number can be found on the CE label, which is located on the side of the frame.

Product safety notices and product recalls can be viewed on the website.

## Operating temperature

The Kamille Comfort Wheelchair can be used in environments with a temperature of -5°C to 40°C and humidity of 20-75%.

The surface temperature can increase if the wheelchair is exposed to external heat sources, e.g., sunlight.

## Use

The Kamille Comfort Wheelchair is for use indoors in care facilities and private homes. The wheelchair can also be used outdoors.

The width of the Kamille Comfort Wheelchair generally allows it to pass through ordinary doorways.

It may be difficult for some particularly wide Kamille Comfort Wheelchairs to pass through ordinary doors and emergency exits.

The Kamille Comfort Wheelchair is intended to provide mobility for users who are in a sitting position for prolonged hours. Max. user weight 140 kg.

The wheelchair is intended to be operated by a qualified healthcare professional, e.g., a therapist, nurse, or care worker.

## Contraindications

Users with impaired cognitive function must be monitored in connection with use of the Kamille Comfort Wheelchair.

## Kamille Power with drive motor

The Kamille Comfort Wheelchair is also available in an electric propulsion variant (the Kamille Power Comfort Wheelchair). The motor can be retrofitted in previously purchased wheelchairs.

Contact Cobi Rehab at [cobi@cobi.dk](mailto:cobi@cobi.dk) for more information on the Kamille Power Comfort Wheelchair.

# The Kamille Comfort Wheelchair

## Construction

The Kamille Comfort Wheelchair provides exceptional support because its design is so flexible that it can support contractures in both upper extremities and lower extremities without special adaptation.

The potential to adapt optimally to the individual helps to increase activity level, function level and quality of life.

The Kamille Comfort Wheelchair seat can be tilted up to 45°, which aids in transfers and other manoeuvres. The back can be angled up to 35°.

The Kamille Comfort Wheelchair can also be adapted to the user's hip, knee, and ankle joints.

## Electrically adjustable back and electric tilt in space

The Kamille Comfort Wheelchair comes with an electrically adjustable back and electric tilt in space as standard. The various electrical functions are continuously variable, which means the user will not experience any annoying lurches.

The electric function also allows adjustment of the hip angle and the angling of the seat back.

The electrically adjustable back function locks automatically.

Electric tilt in space and back adjustment ensure better working conditions for the helper, who can

avoid using their own body weight when handling the wheelchair.

The electric functions are activated with a remote control that can be operated by either the user or the helper.

## Greater quality of life

The comfort and peace of mind that the user can experience in the Kamille Comfort Wheelchair can help raising the level of function.

An increased level of function can lead to a higher degree of flexibility, quality of life and desire to be part of social relationships and activities.

## Accessories and re-adjustment

The Kamille Comfort Wheelchair can be upgraded with a table, stretch covers and various types of weighted cushions, headrests, flexi arms and legrests. All accessories can be adjusted for the individual user.

## Re-adjustment

The Kamille Comfort Wheelchair can be reused because the large selection of accessories makes it easy to re-adjust the wheelchair.

Re-adjustments should always be carried out in collaboration with trained therapist.

## Retrofitting a motor

The Kamille Comfort Wheelchair can be retrofitted with a motor for propulsion. The drive motor has a joystick, which can be operated by either the user or the helper.



1. Headrest
2. Back system
3. Push bar
4. Handbrake
5. Armrest
6. Seat system
7. Skirt guard
8. Footrest
9. Anti-tip

## Seat system

The seating system can be adjusted for users with asymmetry issues. The seat system consists of two independent plates that can be positioned independently of each other via slots.

The two independent plates in the seat system ensure a precise adjustment that matches the user's individual anatomical needs.

This benefits users who are challenged by e.g., anisomelia (unequal leg lengths), difference in the amount of tissue on the UE or hip joint abduction. The potential to adjust asymmetrically also addresses challenges faced with windswept posture.

The position of the seat plates can be adjusted manually with ordinary tools.

## Skirt guards

The Kamille Comfort Wheelchair is equipped with padded skirt guards that follow the movements and angle of the seat plate.

The padded skirt guards can also be "folded out" to the sides to facilitate transfers.



Asymmetrical adjusting makes it easier to address anatomical challenges.



Padded skirt guards.

## Back system

The back can be adjusted asymmetrically. This makes it easier to address anatomical challenges such as scoliosis, increased lateral flexion of the trunk or asymmetric tissue caused by e.g., being overweight, hernias or oedema.

Asymmetrical adjustment is possible thanks to the three aluminium plates that make up the back system. Two of the plates can be moved independently of each other, even though all three plates are connected.

The back system consists of the back base, which is mounted in six slots. The slots allow the back base to be adjusted in height.

The side plates, mounted in two slots, can be loosened using ordinary tools. When the two nuts are loosened, it is possible to adjust the width and angle of the back.

The recline function of the back system is designed to reduce the risk of shear of tissue when the back angle is altered. The height of the back can be increased by 80 mm (using a back extender) without compromising the settings of the back system.

The back extender (optional) consists of three plates mounted on the back system. The back extender can also be adjusted asymmetrically.



Back system mounted in six slots.



The design of the back system reduces the risk of shear of tissue when altering the angle.

## Padded body supports (optional)

Specially developed body supports placed in slots on the back system contribute to near-body trunk stability, regardless of whether the user has scoliosis or decreased/increased thoracic tone.

The body supports on the back system can be placed very close to the user reducing the risk of the user "falling out of" or "falling over" the body support.

Multiple body supports can be placed on each side for more complex needs.

The body supports on the Kamille Comfort Wheelchair are padded with viscoelastic foam and polystyrene beads.



Angled padded body supports.

## Legrests

The Kamille Comfort Wheelchair is equipped with swing-away legrests as standard. Swing-away legrests support the user in "manual transfer" from the nursing bed to the wheelchair for a longer period of time.

The legrests can be height-adjusted and angle-adjusted above the knee and ankle joints. The legrests are padded with foam on the outside and a cushion (viscoelastic foam and polystyrene beads) on the inside.

The padding on the outside is made of foam to reduce the risk of unwanted contact with the frame.

With the help of small inserts (additional), the footrests can go from two-part to unified for use in cases of e.g., severe adduction.

The swing-away function can also lock the legrests at more open angles, which allow users with legs in abduction position to sit in a fully supported position.

Joints for mounting of detachable swing-away legrests is also available.



The legrests can be height-adjusted and angle-adjusted above the knee and ankle joints.



Legrests with swing away function.

## Armrests

The position of the armrest can be adjusted relatively easily using an Allen key.

The armrest can be angled inwards, downwards, and upwards or adjusted in height using thumb screws. This allows the armrest to be angled to accommodate increased muscle contraction or over-/underactivity in the muscles of the upper extremities.

The armrest padding contains the same type of filling as the other cushions on the Kamille Comfort Wheelchair.

The padding increases the amount of sensory stimuli and minimises the risk of pressure sores.

The armrest can be angled to a natural resting position.

Swing-away armrests are standard on all models.

Weighted flex arm supports can be purchased to support the user's arms and help provide additional security, peace of mind and comfort.



Armrest with three thumb screws on the side.

The bottom screw allows the armrest to be removed. The middle screw adjusts the height.

The top screw angles the armrest forwards, backwards and out (swing-away).

## Cushion system

The Kamille Comfort Wheelchair is equipped with a complete and unique cushion system that ensures optimal pressure distribution and near-body positioning.

The cushions are filled with a mix of polystyrene beads and viscoelastic foam, which together contribute to increased sensory stimuli. Each cushion has its own zipper.

The cushions are modellable and can be continuously adjusted for the individual user. This provides high recycling value in line with sustainability requirements.

The cushions have been carefully designed to fit the body part that they support.

The cushions have been kept in a neutral tone because experience shows that dark colours can seem "bottomless" for users with impaired visual-cognitive function.



The cushions are modellable and can be manually adjusted for the individual user.

## Headrest

The arm of the headrest consists of replaceable strong ball joints. The ball joints help to ensure flexibility without the headrest shifting.

The ball joints can be adjusted with an Allen key.

There are two cushion elements mounted on the headrest; a soft foam base covered with neoprene and a soft cushion with three chambers filled with polystyrene beads and viscoelastic foam.

The individual chambers can be adjusted as required.



The arm of the headrest consists of replaceable strong ball joints.

## Push bar

The Kamille Comfort Wheelchair is equipped with a push bar for easy manoeuvring. The push bar is designed so that it can be used in various positions.

The angle of the push bar can be adjusted using the two thumb screws located on the right and left sides of the push bar.

## Brakes

The brake levers are mounted on the push bar. The levers are equipped with a lock that can be unlocked by holding the brake lever in while pressing the red release button.



The push bar is mounted on the brackets, where the thumb screws can be found on the sides.

## Wheel type

The Kamille Comfort Wheelchair is equipped with 12 ½" solid wheels in grey nylon rubber as standard, which will not leave marks on the floor.

The solid wheels are equipped with a drum brake that is operated by the brake levers located on the push bar.

24" drive wheels are also available. This may require adjustments to the frame. Drive wheels may be chosen if the user can manoeuvre or propel the wheelchair forward.

The drive wheels are equipped with drum brakes, which are also operated by the brake levers located on the push bar.

The Kamille Comfort Wheelchair is also available in an electric propulsion version. Alternatively, a motor can be retrofitted to a previously purchased the Kamille Comfort Wheelchair.

The Power version has the motor built into the 12 ½" wheels. The total width is therefore greater on the electric propulsion variant.



Solid wheels 12 ½" (left) or 24" (right) in grey nylon rubber that will not leave marks on the floor.

## Charger

The control box is fitted under the seat. The charging cable hanging from the control box is connected to an electrical outlet.

The wheelchair's on-board electronics cannot disrupt the operation of devices in the surroundings that emit electromagnetic fields, e.g., alarm systems in shops, automatic doors, etc.

The electronics are IPX6-rated. This means that the Kamille Comfort Wheelchair and its components can withstand washing with water.

The Kamille Comfort Wheelchair is not equipped with an emergency stop device because the wheelchair is not able to run automatically.

## Electric tilt in space and electrically adjustable back

The Kamille Comfort Wheelchair comes with an electrically adjustable back (recliner) and electric tilt in space as standard. This provides continuously variable, calm, and comfortable adjustment of the seat unit, which can be performed while the user sits in the wheelchair.

The anti-shear recline function on the Kamille Comfort Wheelchair is unique. The electrically adjustable back is designed to minimise the risk of shear, as the axis of rotation is located based on the position of the pelvis.

The electric tilt in space is activated when the seat/back unit needs to be angled. This feature is important for users who need to vary sitting positions during the day in order to:

- avoid pain
- prevent pressure sores
- achieve trunk stability
- achieve head control.

The electric tilt in space is also important when a side position angle must be achieved in order to ensure that the user's head position is as upright as possible.

## Remote control

The Kamille Comfort Wheelchair is awakened from "sleep" by pressing any button on the remote control.

The battery indicator can be found at the top of the remote control. The Kamille Comfort Wheelchair must be charged when the battery flashes in the red field.

The Kamille Comfort Wheelchair will charge when the cable in the control box is connected to the power outlet.

Below the battery indicator on the remote control is the recline function (back adjustment). The arrow keys control the recline function from 96° to 131°.

Under the recline function is the tilt function. The seat on the Kamille Comfort Wheelchair can be tilted from 0° to 45°.

## Actuators

There are two actuators under the seat of the Kamille Comfort Wheelchair. A seat actuator and a back actuator.

### The remote control shows the:

1. Battery indicator
2. Recline function
3. Tilt function
4. RESET function





## Cleaning and maintenance

Stretch covers (recommended additional purchase) for the Kamille Comfort Wheelchair can be washed at 60°C and tumble-dried.

The cushions can be wiped down with a damp cloth and mild soapy water.

All cushions can be changed when transferring to a new user.

The Kamille Comfort Wheelchair can be used indoors and outdoors.

If the frame becomes dirty, it can be wiped down with a damp cloth and mild soapy water.

It is recommended that the Kamille Comfort Wheelchair should be wiped down and vacuumed at least once a week and that the wheels should be checked for dirt.

### Disinfection

The frame, cushions and push bar can also be disinfected with e.g., a Wet Wipe 70% or a chlorine product of 1,000-1,200 ppm.

## Storage and transport

When the Kamille Comfort Wheelchair is not in use, it should be stored in dry conditions at a temperature between 0° and 50°C.

The Kamille Comfort Wheelchair is suitable (while unoccupied) for transport on land. The Kamille Comfort Wheelchair cannot be folded because it has a rigid frame.

To avoid injury, especially back injuries, the carer/helper is advised against carrying the wheelchair, which weighs 47 kg.

The Kamille Comfort Wheelchair can withstand being lifted up by the frame if it is to be transported unoccupied in a motorised vehicle.

### Crash tested

The Kamille Comfort Wheelchair has not yet been crash-tested. This means that it cannot yet be used as a seat for a user in a motor vehicle.

## Long-term storage

In the event of long-term storage (> 3 months). The Kamille Comfort Wheelchair should be stored at a temperature of between 0° and 30°C and a humidity level below 75%.

It is recommended that the battery should be 40-60% charged before storage.

When the Kamille Comfort Wheelchair is used again after long-term storage, it must be switched on and charged for a minimum of 30 minutes

## Specifications

Max. user weight	140 kg
Class A	Primarily for indoor use
Basic UDI	5740000100024N8
Expected service life	Min. 7 years
Crash-tested	No
Seat depth	400–560 mm
Height from floor to front edge of the seat plate without seat cushion	470 mm
Height seat cushion	120 mm
Back angle	96–131°, continuously variable
Seat angle	0–45°, continuously variable
Backrest height	500–525 mm
Seat width	340–520 mm
Total width	640–830 mm
Weight of wheelchair	47 kg
Max. weight of heaviest component of wheelchair	4 kg
Max. slope uphill	6°
Solid drive wheels	12 ½", PU
Frame	Steel and aluminium
Cushion filling (back, foot)	Viscoelastic foam and polystyrene beads
Cushion filling (seat)	Viscoelastic foam, polyester fibres, and reusable and breathable TPE
Cushion fabric	PU coated polyester
Push bar, adjustable	Yes
Turning radius (pivot)	1100–1300 mm
Collapsible	No
General requirements and test methods	ISO/EN 12182:2012, ISO/EN 12183:2014, ISO/EN 12184:2014
Water resistant	IPX6
Push bar, footrest tubing, foot, and calf plate	Steel
Wheel forks	Aluminium
Battery	Li-Ion 24V 2.6 Ah
Actuators/Control box	LINAK LA23/LINAK
Remote control	LINAK HB30

## Ordering

<b>Model</b>	<b>Seat width mm</b>	<b>Seat depth mm</b>	<b>Product no.</b>
Manual wheelchair with remote control	340-400	400-440	0350-142-000
Manual wheelchair with remote control	340-400	460-500	0350-148-000
Manual wheelchair with remote control	400-460	400-440	0350-242-000
Manual wheelchair with remote control	400-460	460-500	0350-248-000
Manual wheelchair with remote control	400-460	520-560	0350-254-000
Manual wheelchair with remote control	460-520	460-500	0350-348-000
Manual wheelchair with remote control	460-520	520-560	0350-354-000
Power wheelchair with joystick	340-400	400-440	0351-142-000
Power wheelchair with joystick	340-400	460-500	0351-148-000
Power wheelchair with joystick	400-460	400-440	0351-242-000
Power wheelchair with joystick	400-460	460-500	0351-248-000
Power wheelchair with joystick	400-460	520-560	0351-254-000
Power wheelchair with joystick	460-520	460-500	0351-348-000
Power wheelchair with joystick	460-520	520-560	0351-354-000

## Accessories

Accessories	Product no.
Joints for mounting of detachable swing-away legrest, R	0350-999-282
Joints for mounting of detachable swing-away legrest, L	0350-999-283
Headrest, S	0350-999-040
Headrest, M	0350-999-041
Headrest, L	0350-999-042
Weighted flex arm support, R	0350-999-430
Weighted flex arm support, L	0350-999-431
Flex arm support without weight, R	0350-999-432
Flex arm support without weight, V	0350-999-433
Foot cushion combined, S	0350-999-455
Foot cushion combined, M	0350-999-456
Foot cushion combined, L	0350-999-457
Calf cushion combined, S	0350-999-445
Calf cushion combined, M	0350-999-446
Calf cushion combined, L	0350-999-447
Back extender plate	0350-999-218
Back extender middle base	0350-999-220
Back extender side, S	0350-999-225
Back extender side, M	0350-999-226
Back extender side, L	0350-999-227
Back extender cushion	0350-999-495
Anatomic SITT Anti-rotation Belt, S	0350-999-600
Anatomic SITT Anti-rotation Belt, M	0350-999-605
Anatomic SITT Support, Sternum Support Soft Pro, M	0350-999-608
Anatomic SITT Soft Pro, Sternum Support, M, cm + 6 cm	0350-999-610
Anatomic SITT Support, Sternum Support Soft Pro, L	0350-999-612
Anatomic SITT Support, Thorax Harness Pro, S (width 25 cm)	0350-999-615
Anatomic SITT Support, Thorax Harness Pro, M (width 33 cm)	0350-999-617
Anatomic SITT Support, Thorax Harness Pro, L (width 40 cm)	0350-999-619
Body support, R	0350-999-485
Body support, L	0350-999-487

Weighted neck cushion	0350-999-475
Weighted calf cushion blanket	0350-999-477
Knee cushion	0350-999-490
Table	Contact Cobi Rehab
Complete cushion set, the Kamille Comfort Wheelchair, S	0350-999-402
Complete cushion set, the Kamille Comfort Wheelchair, M	0350-999-404
Complete cushion set, the Kamille Comfort Wheelchair, L	0350-999-406
Back cushion 1, S	0350-999-410
Back cushion 1, M	0350-999-411
Back cushion 1, L	0350-999-412
Back cushion 2, S	0350-999-415
Back cushion 2, M	0350-999-416
Back cushion 2, L	0350-999-417
Back cushion 3, S	0350-999-420
Back cushion 3, M	0350-999-421
Back cushion 3, L	0350-999-422
Back side cushion, R	0350-999-425
Back side cushion, L	0350-999-427
Skirt guard cushion, R	0350-999-435
Skirt guard cushion, L	0350-999-437
Calf cushion split, R	0350-999-440
Calf cushion split, L	0350-999-442
Foot cushion split, R	0350-999-450
Foot cushion split, L	0350-999-452
Footrest tube cushion, R	0350-999-460
Footrest tube cushion, L	0350-999-462
Seat cushion, S	0350-999-465
Seat cushion, M	0350-999-466
Seat cushion, L	0350-999-467
Wedge seat cushion	0350-999-470
Headrest cushion, S	0350-999-492
Headrest cushion, M	0350-999-471

Headrest cushion, L	0350-999-472
Armrest cushion, R	0350-999-480
Armrest cushion, L	0350-999-482
Headrest stretch cover, S	0350-999-550
Headrest stretch cover, M	0350-999-551
Headrest stretch cover, L	0350-999-552
Back stretch cover, M	0350-999-555
Back stretch cover, L	0350-999-556
Seat cushion stretch cover, S	0350-999-560
Seat cushion stretch cover, M	0350-999-561
Seat cushion stretch cover, L	0350-999-562
Skirt guard stretch cover, R	0350-999-563R
Skirt guard stretch cover, L	0350-999-563RL
Legrest split stretch cover, R	0350-999-565R
Legrest split stretch cover, L	0350-999-565L
Calf and foot cushion combined stretch cover, S	0350-999-567
Calf and foot cushion combined stretch cover, M	0350-999-568
Calf and foot cushion combined stretch cover, L	0350-999-569
Legrest combined stretch cover, S	Contact Cobi Rehab
Legrest combined stretch cover, M	Contact Cobi Rehab
Legrest combined stretch cover, L	Contact Cobi Rehab
Flex arm support stretch cover, R	0350-999-575R
Flex arm support stretch cover, L	0350-999-575V
Armrest stretch cover	0350-999-570
Back black nylon cover, S	0350-999-580
Back black nylon cover, M	0350-999-581
Back black nylon cover, L	0350-999-582
Back extender black nylon cover, S	0359-999-585
Back extender black nylon cover, M	0359-999-586
Back extender black nylon cover, L	0359-999-587
Legrest black nylon cover, R	0350-999-590R
Legrest black nylon cover, L	0350-999-590L



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