



Community & Premium Homecare Bed Range

USER MANUAL



Community Care
Bed



Premium
Homecare Bed



Thank you for choosing this bed from our Aspire Community and Homecare bed range.

This product has been specifically designed to offer comfort, support and safety.

It is important that you read this user manual carefully before using your new bed.

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1. INTRODUCTION

The Aspire Community & Homecare Bed is an electrically operated bed for the community or homecare environment. The bed has a fabricated steel frame with a powder coat finish and utilises plastic components of various material specifications.

Clinical Applications and Area of Use

The bed is appropriate for adult patient care and should only be used under the instruction of a carer or health professional where concerns exist around patient safe use.

Key Features

- Maximum safe working load (SWL) of the bed is 220kg with a maximum user weight of 180kg.
- Electrically adjusted height range of 220-710mm.
- Total lock foot operated castor wheels.
- Four section electrically operated mattress platform with independent adjustment of backrest angle (maximum 60°) and knee section angle (maximum 30°).
- Trendelenburg / Reverse Trendelenburg angle of 10.5°
- Removable mattress retainer handles.
- Integrated bed extension at foot end extends the bed by 100mm in total.
- Removable bed end sections and transportation kit facilitates easy relocation and storage.

2. SAFETY PRECAUTIONS

It is **important** that this User Manual is read in its entirety prior to operating the bed. The manual is designed to ensure that users are equipped with the information required to competently and responsibly operate the bed and its accessories.

It is recommended that the User Manual be kept in an easily accessible place for quick reference. If required, Aspire product specialists can provide additional training.

All warnings and cautions within this manual should be strictly adhered to. Failure to do so could result in harm to the patient or operator.

Warnings highlighted throughout this manual identify possible hazards in procedures or conditions which if not followed correctly could result in serious injury or fatality.

Cautions highlighted throughout this manual identify possible hazards in procedures or conditions, which if not followed correctly could result in equipment damage or failure.

GENERAL

- Electrical equipment can be hazardous if used incorrectly.
- Residual current devices (RCD) are not supplied with the Aspire Community & Homecare Beds. Please consult with your Biomedical Engineer/Advisor concerning RCD requirements.
- The clinically qualified person responsible should consider the age, size and condition of the patient before using the bed and its accessories.
- The maximum safe working load of the Aspire Community & Homecare Bed is 220kg including the mass of the patient, mattress and any accessories fitted to the bed.
- The maximum user weight is 180kg.
- Suggested Maximum mattress thickness that can be used on the Aspire Community & Homecare Beds is 150mm.
- Side rails must only be used with a mattress of appropriate size, which is approved for use with the bed.
- If a patient's condition could lead to possible entrapment risk the mattress support platform should be left in the flat position whilst unattended.

- **ALWAYS** position the bed at its lowest height when unattended by caregivers to minimise the risk of patient injury.
- **ALWAYS** use a mattress of appropriate size and type. A range of suitable pressure reducing and pressure relieving mattresses are also available from Aidacare.
- **ALWAYS** make sure that the patient is safely positioned to minimise the risk of entrapment before operating the bed.
- **ALWAYS** ensure that attendant and patient limbs are free from potential entrapment areas before operating any functions.
- **ALWAYS** ensure that the bed is at a suitable height to avoid stooping or straining before transporting.
- **ALWAYS** apply the brakes when the bed is stationary.
- **ALWAYS** store the handset when not in use to avoid accidental operation of the beds functions. The handset can be stored by hooking it on to the side rail of the bed.
- **ALWAYS** ensure that all drips, drains and power cables are free from possible entanglement with mechanical parts of the bed.
- **DO NOT** place the handset, or power cord across the mattress surface of the bed when the bed is not connected to mains power. Always store the power cord within the power cord fixtures fitted to the bed.
- **DO NOT** use electrically operated beds in operating theatres.
- **DO NOT** use electrically operated beds in the presence of flammable gases.
- **DO NOT** use the bed to support more than one patient. Community and Homecare beds are intended for single person use and may become unstable if used incorrectly.
- **DO NOT** use accessories that are not designed, or approved for use with Community and Homecare beds.

3. PRODUCT OVERVIEW

The Community and Homecare Bed range is designed specifically for the community and aged care environment. Please take the time to familiarise yourself with the key components shown below:



SELF HELP POLE

Handle mount with locator mechanism

HEAD END

Marked for ease of identification

FOOT END

Marked for ease of identification

HEAD SECTION

Raises the patient's upper torso to a sitting position

MATTRESS PLATFORM

(mattress surface)

TIMOTION ELECTRONICS

LIFT ACTUATOR

LIFT ACTUATOR

MATTRESS PLATFORM INTERSECTION

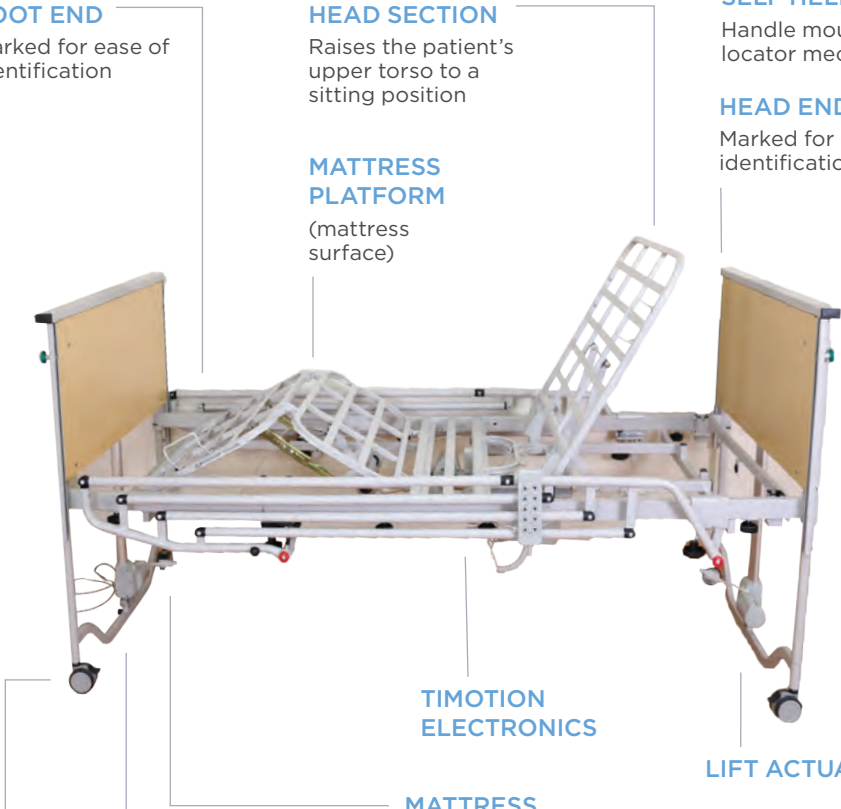
Note extension is done at foot end by extending bed end by 100mm. NOT at central point.

EASY MOVE LOCKING CASTORS

Locking with foot lever



HANDSET



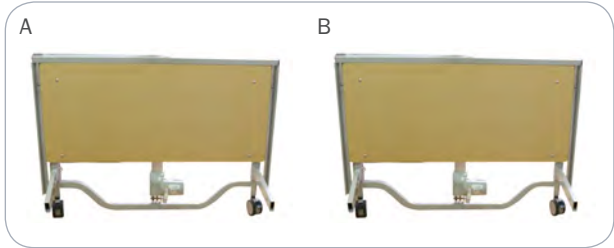
4. UNPACKING & INSPECTION

Community and Homecare Beds come packaged in 3 boxes for maximum protection. Check box contents to ensure no components are missing and contact Aidacare if this occurs on 1300 133 120.

(Accessories supplied separately)

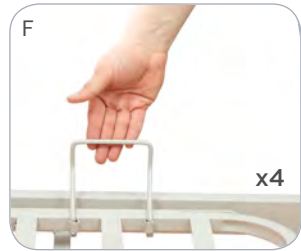
Box 1 of 3

- A Head End with lift actuator
- B Foot End with lift actuator both clearly marked with stickers as "HEAD" and "FOOT".



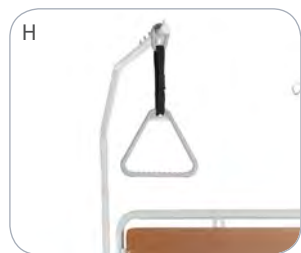
Box 2 of 3

- C Mattress Platform - head section
- D Mattress Platform - foot section (including connector rods)
- E TiMotion Electronics
- F Removable Mattress Guides
- G Handset



Box 3 of 3

- H Self Help Pole



5. ASSEMBLY INSTRUCTIONS

Prepare all components for assembly:

1. Find a clear space and ensure bed end castors are locked for easier assembly.
2. Ensure all components mentioned in 4. Unpacking & Inspection are laid out ready to be installed.

Assembly of the Community Bed is a 6 stage process and the Premium Homecare bed is an 8 stage process.

1. Connecting the two mattress platform sections:

1. Lay the two mattress platforms on a flat surface.
2. Insert connecting rods into centre of mattress platforms.
3. Secure in place with fastening hand wheels.
4. Slide the two halves gently together ensuring the connecting rods are now both concealed within the mattress platform.
5. Fasten the 4 hand wheels (2 on each side) at the centre of the platform where the 2 frame halves join.



2. Connecting the two bed ends:

1. Align the foot end bed end with the foot end of the mattress platform (identified by 'FOOT' sticker).
2. Slide the connecting bars mounted to the bed end into the mattress platform.
3. Fasten the two hand wheels at the end of the frame securing the section onto the mattress platform.
4. Repeat steps 1 to 3 to connect the HEAD section (identified by 'HEAD' sticker) onto the mattress platform.



3. Connecting all actuators and handset:

1. Connect the 'hi-lo' actuator cable at the head and foot end.
2. Connect the 'foot' actuator (green sticker) near the centre of the bed by matching the green locator stickers, lock in place with actuator securing pin.

3. Connect the 'head' actuator (red sticker) near the centre of the bed by matching the red locator stickers, lock in place with actuator securing pin.

4. The handset comes connected to the control box, uncouple the cabling and move the handset to either side of the bed for use.



4. Attaching mattress guides:

1. Slide mattress guides into metal slots located on the side at both ends of the bed (4 x guides in total).



5. Attaching self-help pole or IV pole:

Insert self-help or IV pole into sleeve at head end of the bed, aligning the notch with the groove.



6. Mounting folding 3/4 side rails: :

1. Unscrew fastening hand wheels to bring side rail locking clamp into an open neutral position.
2. Align side rail mounting plate with side of mattress platform ensuring that when rails swing away, they swing towards the foot end of the bed.
3. Tighten fastening hand wheels to lock rails into place.
4. Release rails into the downward position by pulling black spring button.



PREMIUM HOMECARE BED ASSEMBLY

7. Mounting full length beech side rails:

1. Mount side rail sliding mechanism to each side of full length side rails.
2. Insert side rail sliding mechanism upwards into the vertical track mounted to either side of the bed ends.
3. Lock side rails in raised position by pulling upwards until they click into place, release by pulling green spring button at either end of the rail.
4. Secure with fastening hand wheels at base of vertical mounting track.



8. Mounting beech bed end shrouds:

1. Place shroud end over each bed end.
2. Lock in place using an allen key to fasten 4 x screws (2 on each side)



6. OPERATION

Activating the handset

The handset has a locking key permanently fastened to the cord. This is designed to lock out functionality for patients with safe use concerns when unsupervised.

Ensure the key is inserted to the on position prior to use.



Power on light indicates system is active.

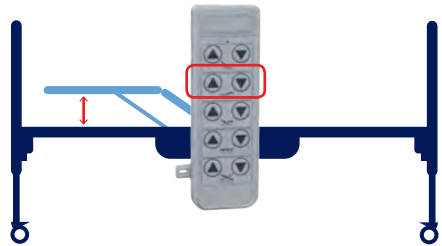


Insert key into side of handset to enable buttons

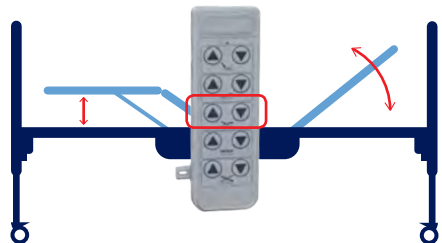
Hand Control Functions



Backrest incline/decline

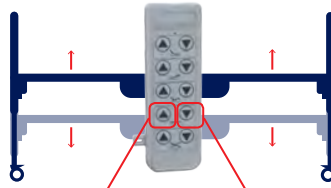


Knee bend incline/decline



Backrest & knee bend synchronous incline/decline

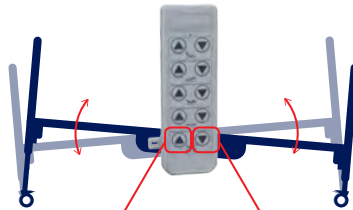
Hand Control Functions (continued...)



Bed raise to 1100mm*

Bed lower to 710mm*

*Measurements taken from top of bed frame to ground level.



Reverse Trendelenburg tilt

Trendelenburg tilt

Always ensure that a health professional has assessed the patient regarding their suitability for Trendelenburg positioning.

Castor Use

- This bed has 4 total-lock castors.
- To apply the brake, use your foot to press down on the lever at each castor.
- To unlock the brake, use your foot to push up on the lever at each castor



Self-Help Pole

- This should be placed on the side of the bed that the user gets in/out of bed to help him/her out. Ensure that the Self Help Pole is sitting securely in place with notch in groove.



7. ACCESSORIES

The following accessories are sold separately or as part of a bed package kit.

3/4 Folding Side Rails

BEA016585

Refer to page 10 for further instructions.



For use with the Premium Homecare Bed only

Full Length Side Rails

BEA029865 - Full Length

BEA029866 - Extended Length (for use with bed extension)

For use with the Premium Homecare Bed only.
Refer to page 11 for further instructions.



IV Pole

BEA016592

Refer to page 10 for further instructions.



Transport Kit

BEA029870

Refer to page 15 for further instructions.



Bed End Shrouds

BEA016590

For use with Premium Homecare Bed only.
Refer to page 11 for further instructions.



8. TRANSPORT & STORAGE

Transportation Assembly Instructions

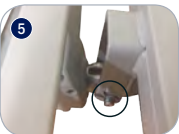
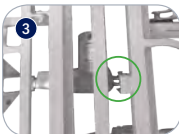
The Aspire Homecare Bed Range is designed to be transported safely on the ground by one person. This requires the bed to be disassembled and repositioned on the Transportation Kit (BEA029870).



Assembly for transportation is a 6 step process.

1. Prepare to separate all bed sections:

1. Lower the bed platform to its lowest height, then unplug from power.
2. Disconnect the 'hi-lo' actuator cable at the head and foot end.
3. Disconnect the 'foot' actuator cable (green sticker) located near the centre of the bed.
4. Disconnect the 'head' actuator cable (red sticker) located near the centre of the bed.
5. Remove the actuator securing pins only at the end of each actuator that is closest to the centre split of the bed platform, leaving the remaining pins in place at the other end of each actuator.



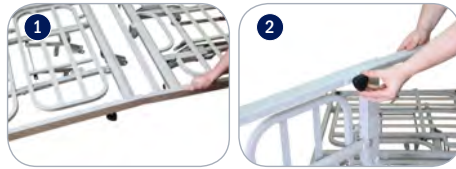
2. Separating the bed ends from the platform:

1. Unfasten (but don't remove) the 2 hand wheels at each end of the frame and separate the head end and then the foot end from the platform by pulling firmly so the end connectors slide out of the platform frame.
2. Apply the head and foot end brakes so the ends can lean safely up against something while you work on the bed platform section.
3. The bed platform will now be lying on the floor with the 2 halves still joined and the actuators underneath it.



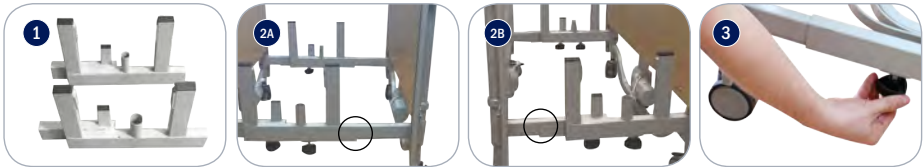
3. Separating the platform sections:

1. Unfasten (but don't remove) the 4 hand wheels (2 on each side) at the centre of the platform where the 2 frame halves join.
2. Slide the two halves gently apart. Remove the connecting rod on each side and place it next to the bed ends.



4. Preparing to mount the bed ends:

1. Place the two Transport Brackets in a matching stance on the floor perpendicular to the bed ends. The long tube sections on either bracket must face the same direction, with the short tube sections facing the other direction.
- 2A. The long tube sections of the bracket align with the foot end connectors.
- 2B. The short tube sections of the bracket align with the head end connectors.
3. Make sure that the bracket hand wheels are sufficiently unfastened to allow the connectors to slide freely into the brackets.



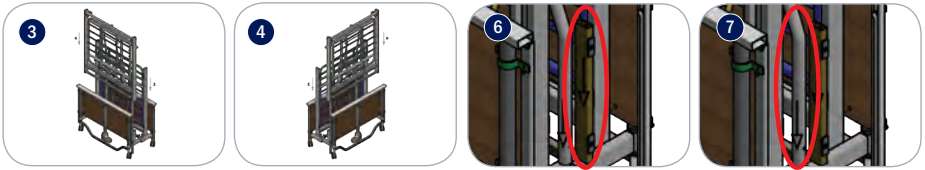
5. Mounting the bed ends:

1. Slide the 2 x foot end connectors into the long tube sections of each bracket.
2. Slide the 2 x head end connectors into the short tube sections of each bracket.
3. The bed ends, with transport brackets in between now stand on their own.
4. Fasten the 4 hand wheels to secure the ends onto the transport brackets.



6. Mounting the platform sections:

1. Position the foot end platform on its end so the remaining actuator connection is at the top and the actuator hangs down.
2. Hold or cable tie loose cables out of the way to avoid interference when mounting.
3. With the mattress platform facing outwards towards the foot end, lower the platform section onto the vertical receiver rods on the transport brackets.
4. Repeat the same for the head end platform.
5. You may choose to loop or bunch the cables and handset on the inside of the two standing platform halves. There are various points to hang from without having to use ties however for extra securement use cable ties as desired.
6. Place the platform connector rods into the receiver mounts on each transport bracket.
7. Separate the self-help pole and place each half into the round receiver mounts on each transport bracket.



NOTE: The bed is now ready for safe transportation or store. Reverse all steps to reassemble.

STORAGE CONDITIONS

Aspire Community & Homecare Beds should be stored in a clean, dry, well ventilated area.

The following limits apply during transport and or a storage period of up to 15 weeks duration:

Ambient Temperature	-25°C	To	+70°C
Relative Humidity	10%	To	75%
Air Pressure	50 kPa	To	106 kPa

9. TROUBLESHOOTING

Fault	Cause	Solution
Controller inactive and power on light is not active	Power fault	<ul style="list-style-type: none"> Primary power cable connection should be checked for cable damage and correct insertion. All power leads to actuators should be checked for correct insertion and or damage.
Lift Actuator control not working	TiMotion Electronics Fault	<ul style="list-style-type: none"> All power leads and plugs should be checked for correct insertion and not visible damage. Connector pins should be aligned, any unusual bends may suggest damage.
Handset buttons do not work?	The safety lockout function is active	<ul style="list-style-type: none"> Use key on side of handset to unlock.

 Should problems persist contact Aspire Service on 1300 133 120.

10. CLEANING

WARNING

Before cleaning always disconnect the bed from the mains power source and remove TiMotion electronics system from mattress platform.

Note: It is strongly recommended that protective clothing be used when cleaning.

Note: The following procedure also applies to the bed accessories, but does not include mattresses.

- Wipe the bed surfaces with a soft cloth moistened with hot water and mild detergent (or the facility's recommended cleaning solution). It is recommended that the cloth be a white material to prevent bleeding of dye colours to the bed. Take extra care in areas that can harbour dirt or dust.
- Rinse with clean water and a dry clean cloth.
- To remove potentially infectious materials such as body fluids, or when the bed has been used by someone with a known infection, clean with NaDCC (e.g. Presept, Actichlor) at 10,000 ppm of available chlorine. Rinse and dry.
- Allow the cleaned parts to dry before replacing the mattress.

CAUTION

Do not use abrasive Hypocarbonate or Phenolic compounds or pads.

11. SERVICE & MAINTENANCE

To prolong the working life of the bed and for trouble free operation it is recommended that routine inspections should be performed by a person who is suitably qualified and well acquainted with the design, use and care of Community Care beds.

If inspection reveals that the safety of the bed is compromised in any way, it should be IMMEDIATELY WITHDRAWN FROM SERVICE, tagged as such and the owner notified, until repair or replacement has occurred.

Inspection:

A visual and functional inspection should be performed monthly and every time the bed changes user.

- Visually inspect electrical components: can you see damage to the hand control or power cord?
- Visually inspect mechanical components: can you see damage, chips or deformation to the frame, bed ends, side rails or self help pole?
- Is the hand control functioning as it should?
- Are the castors, brakes and accessories functioning as they should?

Preventative Maintenance:

NOTE: Other than general maintenance activities all other service or repair work must be performed by qualified and trained persons or agents approved by Aidacare.

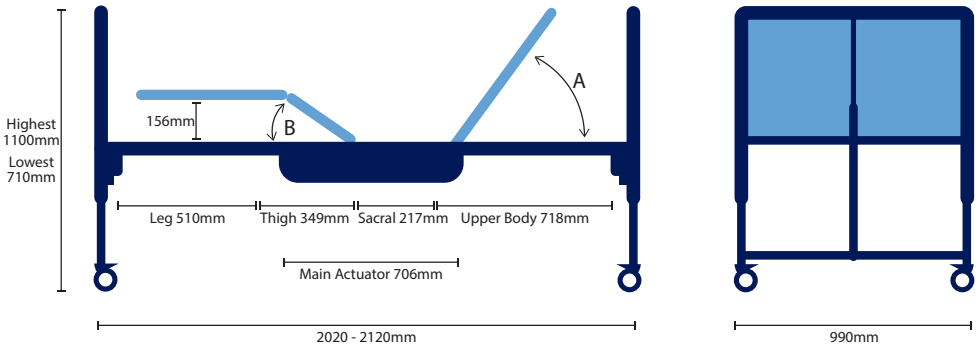
The following preventative maintenance procedures should be carried out every 12 months or as otherwise specified:

1. Overall functional check that all hand control functions are operating the bed as expected.
2. Overall inspection for visible signs of wear, tear or damage to the integrity of electronics and cables.
3. Actuators and all moving components should not make unusual noises.
4. Side rail attachment and function should be assessed along with the locking integrity of castors.
5. Electrical test & tag - where beds are in use in a commercial environment then the testing regime applied should align with the risk assessment made by the owner for safety and other compliance requirements.

WARNING: The bed must be disconnected from the mains power supply before starting the following maintenance activities:

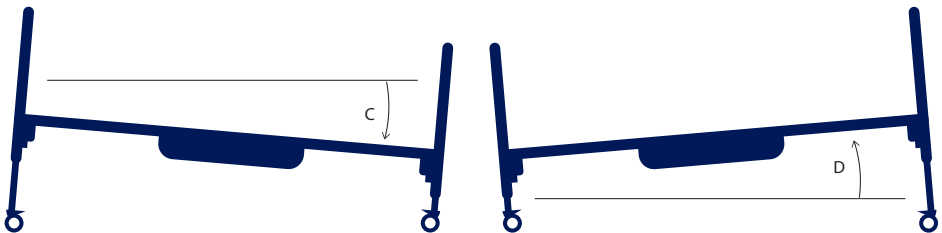
General	
1	Examine all the warning signs on the bed. Examine the bed for obvious signs of damage. Check that all nuts, bolts and other fasteners are tight and are not missing.
2	Examine flexible cables and conduits for cuts, cracks, abrasions or other deterioration.
3	Check that the power supply plug is not damaged. If either the power cable or plug is damaged then both the cable and plug must be replaced as a complete assembly by an approved service agent.
Braking System	
1	Apply the brakes and push the bed forwards. If any of the four braking castors rotate the brake is not fully effective.
2	Check the castors for correct operation.
3	If any are not working correctly contact an approved service agent.
Side Rails (if fitted)	
1	<ul style="list-style-type: none"> The locking pin mechanism and striker plate arrangement should be checked every three months. Inspect the side rails for general wear and tear on fittings and pivot joints every six months. Check for rust, structural integrity of welds and paint finish every twelve months.
2	Raise the side rail to the upright position until the locking mechanism clicks into place.
3	Check that the rail clamps are securely fitted to the bed.

12. SPECIFICATIONS



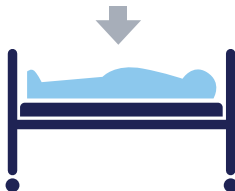
Degrees of Movement

- A. Upper body profiling 60° Max.
- B. Lower body profiling 30° Max.
- C. Trendelenburg 10.5° Max.
- D. Reverse Trendelenburg 10.5° Max.



Weight Capacity

Safe Working Load: 220kg
(inc. mattress & accessories)
Max. Patient Load: 180kg



Component Weights:

Mattress Platform – Head End	17.6kg
Mattress Platform – Foot End	17.6kg
Head/Foot Ends (each)	17kg
TiMotion System (inc handset)	5kg
Self Help Pole	6.2kg

13. TECHNICAL INFORMATION



Electrical Ratings:

Voltage:	230V ~ +/- 10%V
Max current:	5A
Voltage output:	24V DC ~ max. 70V DC.
Operating Frequency:	2 min on, 18 min off Push force
Pull force:	Max 0 N to 4000N
Protection:	IP 54
Insulation:	III



User is not isolated from the ground or frame structure.

Design Focus:

IEC60601-2-52 - Anti Entrapment

For further information contact product@aidacare.com.au

14. WARRANTY

Warranty

Aspire Community and Homecare Beds come with a two year warranty. Please keep the purchase invoice as proof of warranty commencement.

Aidacare is bound by Australian Consumer Law in respect to Warranty Against Defects. A copy of the Aidacare Warranty Against Defects statement is available on the Aidacare homepage at www.aidacare.com.au. All warranty matters should be directed to Aidacare Customer Service on 1300 133 120.

Aidacare does not warrant against excessive or incorrect use, modification or any situation that could be deemed as fair wear and tear. This is a back to base warranty and does not cover freight costs pertaining to the return of any items under warranty. Aidacare acknowledges and conforms to all ACCC guidelines around consumer rights. For further information contact Aidacare on 1300 133 120 or email product@aidacare.com.au.

Aidacare will not warrant the safety and or correct functioning of products where any original components have been changed or modified by non-Aidacare approved and trained service & maintenance staff or external providers. Furthermore, safety is not guaranteed where components have been replaced with non-original Aidacare approved parts. If any faults are detected upon receipt of this product please phone Aidacare. Any faults that are detected during normal use should be reported to Aidacare immediately to determine if warranty conditions apply and if so, the necessary repair or replacement work to be completed.

15. SPARE PARTS LIST

PRODUCT CODE	DESCRIPTION
GSP392000	Handset
GSP392005	Handset Plastic Safety Key
GSP392010	Back Rest Actuator
GSP392015	Leg & Calf Actuator
GSP392020	Lift Actuator (Bed End)
GSP392025	Actuator Mounting Hardware (Quick Release Pins)
GSP392030	Control Box & Power Cord
GSP392035	Mattress Retainer (1)
GSP392040	Black Fastening Hand Wheel
GSP392045	Full Length Side Rail Mounting Hardware
GSP392050	Full Length Side Rail Fastening Hand Wheel
GSP392055	Frame - Back Section
GSP392060	Frame - Leg & Calf Section
GSP392065	Mattress Platform - Back Section
GSP392070	Mattress Platform - Leg Section
GSP392075	Mattress Platform - Calf Section
GSP392080	Mounting Hardware - Mattress Platform - Back Section
GSP392085	Mounting Hardware - Mattress Platform - Leg & Calf Section
GSP392090	Braking Castor
GSP392095	Mounting Hardware - Wooden End Shrouds
GSP392100	Self Help Pole
GSP392105	Wooden Head/Footboard
GSP392110	Mounting Hardware - Wooden Head/Footboard

For servicing, preventative maintenance and any other questions regarding this or any other Aidacare product please contact:

Aidacare Pty Ltd
 4 Noonan Rd, Ingleburn NSW 2565
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 W - www.aidacare.com.au
 E - product@aidacare.com.au





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