The vertical and horizontal lines printed in the margins adjacent to the text/illustrations in these instructions are for ARJO use only and should be disregarded by the reader.

Some of the information contained in these instructions may become outdated, due to future product improvements. If you have any questions regarding these instructions or your lift, please contact ARJO or its approved distributor.

© ARJO Med. AB LTD
ARJO products are patented or patent pending. Patent information is available by contacting ARJO Med. AB LTD.
ARJO’s policy is one of continuous development. ARJO therefore reserves the right to change specifications without notice. The content of this publication may not be copied either whole or in part without the consent of ARJO Med. AB LTD.

ARJO Med. AB LTD strongly advises and warns that only ARJO Company Designated Parts, which are designed for the purpose, should be used on equipment and other appliances supplied by ARJO, to avoid injuries attributable to the use of inadequate parts.

Unauthorized modifications on any ARJO Med. AB LTD. equipment may affect its safety and are in breach of any equipment warranty. ARJO Med. AB LTD. will not be held responsible for any accidents, incidents or lack of performance that occur as a result of any unauthorized modifications to its products.

The ARJO Company’s Conditions of Sale make specific provision confirming no liability in such circumstances.

“Sara 3000” is a trademark of the ARJO Group.
<table>
<thead>
<tr>
<th>SECTION</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreword</td>
<td>4</td>
</tr>
<tr>
<td>Safety Instructions</td>
<td>5</td>
</tr>
<tr>
<td>Product Description/Function</td>
<td>6-8</td>
</tr>
<tr>
<td>Parts referred to in this manual</td>
<td>6</td>
</tr>
<tr>
<td>Controls and Features</td>
<td>7</td>
</tr>
<tr>
<td>Control Handset</td>
<td>7</td>
</tr>
<tr>
<td>Stop Button (red)</td>
<td>7</td>
</tr>
<tr>
<td>Automatic Cut-out:</td>
<td>7</td>
</tr>
<tr>
<td>Automatic Stop Function</td>
<td>7</td>
</tr>
<tr>
<td>System Failure Lower Override</td>
<td>8</td>
</tr>
<tr>
<td>Battery Discharge Indicator</td>
<td>8</td>
</tr>
<tr>
<td>Hour Meter</td>
<td>8</td>
</tr>
<tr>
<td>Chassis Castor Brakes</td>
<td>8</td>
</tr>
<tr>
<td>Foot Support</td>
<td>8</td>
</tr>
<tr>
<td>Lower Leg Straps</td>
<td>8</td>
</tr>
<tr>
<td>Adjustable Width Chassis Legs</td>
<td>8</td>
</tr>
<tr>
<td>Using Your Sara 3000</td>
<td>9-12</td>
</tr>
<tr>
<td>Using the Sara 3000 for Toileting and</td>
<td>9</td>
</tr>
<tr>
<td>Transporting</td>
<td>10</td>
</tr>
<tr>
<td>Standing Sling</td>
<td></td>
</tr>
<tr>
<td>Battery Charging</td>
<td>13-14</td>
</tr>
<tr>
<td>Care of Your Sara 3000</td>
<td>15-16</td>
</tr>
<tr>
<td>General Lift Care</td>
<td>15</td>
</tr>
<tr>
<td>Environmetal Advice</td>
<td>15</td>
</tr>
<tr>
<td>Periodic Testing</td>
<td>16</td>
</tr>
<tr>
<td>Automatic Stop Function</td>
<td>16</td>
</tr>
<tr>
<td>Stop Button (red)</td>
<td>16</td>
</tr>
<tr>
<td>Adjustable Width Chassis Function</td>
<td>16</td>
</tr>
<tr>
<td>General Lift Condition</td>
<td>16</td>
</tr>
<tr>
<td>Servicing Advice</td>
<td>16</td>
</tr>
<tr>
<td>Labels</td>
<td>17</td>
</tr>
<tr>
<td>Technical Specification</td>
<td>18-19</td>
</tr>
</tbody>
</table>
Thank you for purchasing ARJO equipment. Your Sara 3000 is one of a series of quality products designed especially for hospitals, nursing homes and other health care uses.

ARJO is dedicated to serving your needs and providing the best products available, together with training that will bring your staff the maximum benefit from every ARJO product.

Please contact us if you have any questions about the operation or maintenance of your ARJO equipment.

The letter (i) shown on the open book icon indicates “information”, and is an instruction to always read the operating instructions before use (see Fig. 14).

The expected operational life of the ARJO lift is 10 (ten) years from the date of manufacture, providing that the following conditions are adhered to:

**Conditions**

- The unit is regularly cared for and serviced in accordance with recommended, published “Operating and Product Care Instructions” and the “Preventive Maintenance Schedule”.
- The unit is maintained to the minimum requirements as published in the “Preventive Maintenance Schedule”.
- The servicing and product care, in accordance with ARJO requirements, must begin with the customer’s first use of the unit.
- The equipment is used for its intended purpose only and is operated within the published limitations.
- Only ARJO designated spare parts should be used.

The date of manufacture can be found in the second set of 4 digits of the serial number, for example STLA 0309 A 1001. (STLA = manufacturers code, 03 = year 2003, 09 = month September, A = charger country code). The remaining digits are the machine identification number.

**Consumables**

The expected life for other consumable products, such as batteries, fuses, lamps, safety belts, padded covers, and straps is dependent on the care and usage of the equipment concerned. Consumables must be maintained in accordance with the published “Operating and Product Care Instructions” and the “Preventive Maintenance Schedule”.

All references to the patient in these instructions refer to the person being lifted, and references to the attendant refer to the person who operates the lift.

References to left and right of the lift in these instructions are as viewed when you are standing at the rear of the Sara 3000, facing forward, as viewed from the control panel (see Fig. 1).

Lifting operations in these instructions are described as if lifting a patient from a chair. The same operations can be performed effectively when lifting a patient from a wheelchair or sitting position on a bed, although a second attendant should support the patient if the patient lacks sitting balance.

All operations in these instructions are described as if the attendant were using the control handset.
Before using your Sara 3000, familiarize yourself with the various parts and controls as illustrated in Fig. 1 and other illustrations. Then please read this whole manual thoroughly before operating your Sara 3000. Information in the manual is crucial to the proper operation and maintenance of the equipment, and will help protect the product and ensure that the equipment performs to your satisfaction. Some of the information in this booklet is important for your safety and must be read and understood to help prevent injury. If anything in the manual is confusing or difficult to understand, please call ARJO or its appointed distributor (the telephone number appears on the last page of this manual).

Symbols used adjacent to the text in these instructions:

- **Danger:** Means: electrical hazard warning. Failure to understand and obey this warning may result in electrical shock.

- **Warning:** Means: failure to understand and obey this warning may result in injury to you or to others.

- **Caution:** Means: failure to follow these instructions may cause damage to all or part of the system or equipment.

- **Note:** Means: this information is important for the correct use of this system or equipment.

This product has been designed and manufactured to provide you with trouble-free use. However, this product does contain components that, with regular use, are subject to wear.

**Warning:** SOME OF THESE PARTS ARE CRITICAL TO ENSURE THE SAFETY IN OPERATING THE LIFT. THEY WILL NEED EXAMINING AND SERVICING ON A REGULAR BASIS AND MUST BE REPLACED AS NEEDED.

Also, see the section entitled “Care of Your Sara 3000”.

**Warning:** Use only ARJO slings that have been specifically designed for the Sara 3000.

**Warning:** Do not overload the Sara 3000 beyond its approved lifting capacity. The Sara 3000 may be used on gentle slopes with caution. Do not attempt to manually lift the complete lift.

**Caution:** Although it is manufactured to a high standard, the Sara 3000 and its accessories should not be left for extended periods in humid or wet areas. Do not under any circumstances spray the Sara 3000 or accessories (excluding slings or ARJO approved wet environment equipment) with water, such as under the shower.

**Warning:** Before lifting a patient, it is advisable to familiarize yourself with and understand the operation of the various controls and features of the Sara 3000 and to carry out any action or inspection procedure before lifting a patient.

**Warning:** The Sara 3000 has been designed as a mobile lift for raising and transporting patients in hospitals and care facility environments, and should only be used for this purpose.

This product is intended to be operated entirely by an attendant. The patient should not perform any function relating to the control of this product. A second attendant may be required with certain patients.
Parts referred to in this manual

1. Clip Attachment Points
2. Battery Pack
3. Steering Handgrips
4. Control Handset
5. Motor/Actuator
6. Knee Support
7. Foot Support with Anti-skid Material
8. Rear Castors with Brake
9. Stop Button (red) and Reset Button
10. Dual Up/Down Control
11. System Failure Lower Override
12. Battery Discharge Indicator and Hour Meter
Unpack the battery pack supplied, and fully charge it as described in the section titled “Battery Charging”.

When the battery pack is fully charged, disconnect the electric power, remove the pack from the charger, and insert it fully back into the Sara 3000 battery compartment. An electrical connection is made automatically.

Ensure that the green button (located on the control panel above the battery) is pushed in.

Ensure that the sling is available.

**Controls and Features**

**Control Handset**: A semi-remote control unit attached to the lift by an extending cable. The handset controls are for the lift/lower and chassis leg opening/closing functions. Direction arrows adjacent to the buttons indicate each function (see Fig. 2). If pressure is released from any button during use, the powered movement will stop immediately.

**Automatic Cutout**: (not an operator control but a function built into the lift electronics):

If the lift is inadvertently overloaded (by trying to lift a patient that is too heavy), an automatic “cut-out” function operates to prevent the lift from raising a weight in excess of one and a half times the maximum rated load. This will stop the lift motion automatically.

If this occurs, release the pressure from the control handset button or control panel switch immediately. The electronics will reset so that the patient can only be lowered when either of the “Lower” buttons is pressed. Remove the patient from the lift.

**Automatic Stop Function**: Great care should be taken not to lower the patient support arms onto the patient or any other obstruction. If this should happen, the motor will continue to run but downward movement will be blocked by the obstruction. If this occurs, release pressure from the “lower” button immediately and operate the “raise” button until the lift is clear. Then remove the obstruction.

**Stop Button (red)** (see Fig. 1): If you have to immediately stop any powered movement, (other than by releasing pressure on the button on the control handset), press the red “stop button” located on the control panel above the battery. This function can also be used to ensure that powered operation cannot accidentally start when either transporting the lift, or leaving it in storage or unattended.

Once the red Stop Button has been pushed, the green reset button will have to be reset before the Sara 3000 can be operated again.
System failure lower override: This can be used in the event of main control failure. If the control handset fails to operate the lift with a patient still supported by the sling, a provision for lowering has been made using the “lower override knob” located on the right hand side of the motor/actuator (see Fig. 3). To operate the lower override, pull the knob upward. To halt lowering, release the knob. Only use the knob if there is a normal control failure. Do not use it for normal function lowering.

**Caution:** Before operating the lower override to lower a patient, always ensure that a chair or suitable support is underneath ready to accept the patient.

Chassis Castor Brakes: The chassis rear castors have brakes which can be foot operated if required (see Fig. 4), such as when leaving a patient unattended, or to keep the Sara 3000 in position.

Foot Support: For positioning the patient’s feet when lifting and transporting.

Lower Leg Straps: Accessory used to ensure that the lower parts of the patient’s legs stay close to the knee support. They pass around the knee supports, then around the patient’s lower calves. To fasten, overlap and press the ends together. Ensure that the straps are firm but comfortable for the patient.

Adjustable Width Chassis Legs: To open the chassis legs to any variable width, press the appropriate button on the control handset. When pressure is released from the button, movement will stop and the chassis legs will remain securely in position.

**Note:** The lift should be transported with the chassis legs closed, as this will be easier to maneuver through doorways, etc.

Warning: The patient and/or operator should never place their feet or any other part of their body in the area between the foot support and chassis legs when the chassis legs are closing.

The lower override will operate whether or not the emergency stop button has been pressed.

Battery Discharge Indicator: This is a small LED display, located on the battery pack holder, which shows the charge condition of the lift battery (see Fig. 1).

Hour Meter: This is a small LCD display which shows the total duration of powered operation (in hours – see Fig. 1). This is primarily intended as an aid to service engineers and to help the attendant calculate maintenance intervals.
Using the Sara 3000 for Toileting and Transporting

Before approaching the patient, the attendant should always tell the patient what they are going to do, and have the correct size sling ready.

Although a patient can be put into the sling with the Sara 3000 close by, it may be easier to do so with the Sara 3000 moved away.

Once the sling has been fitted (see the following sections), the Sara 3000 may be brought close to the patient as follows:

Adjust the height of the Patient Support arms to avoid approaching the patient at eye level. Make allowances for the patient’s arms and any obstructions, such as chair arms, etc.

Approach the patient from the front with the lift. Stop before the foot support and knee support come in contact with the patient. (See Fig. 5).

When the patient is ready, help or allow the patient to place his/her feet on the foot support. Push the Sara 3000 toward the patient to easily assist with this. (See Fig. 6).

Carefully push the lift in closer to make full lower leg contact with the knee support.

*Note:* Press the appropriate button on the control handset if the chassis legs need to be opened to go around the chair.
Standing Sling

**Caution:** An assessment must be made as to whether the patient requires the lower leg straps. Apply these if necessary. Use if necessary.

Encourage the patient to lean forward slightly to enable the sling to be placed around his/her lower back (see Fig. 7). Position the sling around the patient’s back so that the bottom of the sling lies horizontally about two inches above the patient’s waistline, with the patient’s arms outside the sling. Ensure that the support strap is separated and brought loosely around the body, and is not twisted or trapped behind the patient’s back.

To fasten the support strap securely, press the buckles together. The strap should be tight, but comfortable for the patient.

- **Note:** As stated previously, the comfort sling may be applied before the Sara 3000 is brought into position, as shown in Fig. 6.

- **Note:** The support strap will help to support the patient in the sling during the lifting procedure. The strap also retains the sling in the correct position around the patient.

If the Sara 3000 is not already close to the patient, bring it to the patient as described previously. Apply the clips to the attachment points, and secure them for safety.

- **Note:** The patient should be supported by the sling, but not pulled forward too much.

**Caution:** The support strap must always be applied when using the sling.
If possible, the patient should then hold on to the Patient Support grips with one or both hands. The patient is then ready to be lifted.

**Note:** If the control handset button is released during the lifting or lowering procedure, powered motion will stop immediately.

If the patient is able to offer some assistance to stand, this may be beneficial for patient confidence and muscular exercise. Encourage the patient to give as much assistance as possible to raise from the chair and/or steady themselves.

Use the lift button on the control handset to raise the patient to a suitable and comfortable height for the particular function. (See Fig. 11).

**Caution:** The patient’s feet should always remain in full contact with the foot support.

When lifting, check to ensure that the patient’s feet do not lift from the the support or floor. If this should happen, lower the patient immediately until his/her feet fully reach the support or floor.
Using Your *Sara 3000*

**IMPORTANT:** Always check that the sling adjustment clips are locked into position before and during the lifting cycle, and in tension as the patient’s weight is gradually taken up.

*Note:* If patients can stand sufficiently well and lock their knees in the normal way when fully raised, their knees will come away from the Proactive Pad and they will be able to lean back into the sling.

Patients who can only hold on with one hand, such as those who have suffered a stroke, may still be lifted with the *Sara 3000*, but their disabled arm should be held down in front of the body during the lift by the attendant (or a second attendant), while their functioning hand holds the patient support arm in the normal way.

**Caution:** Only use this or other methods after a satisfactory professional assessment has been carried out on the individual patient.

Transfer the patient to the required position, such as the toilet, wheelchair, chair, bed, etc.

*Note:* Transportation should be performed with the chassis legs closed, as this will be easier when maneuvering through doorways, etc.

While the patient is raised, make any necessary adjustments to clothing, incontinence pads, etc., before lowering again. Use the control handset to carefully lower the patient.

**Caution:** Apply the chassis brakes if leaving the patient at the toilet, or if leaving the patient unattended.

To remove the sling when the patient is seated in the new position.

Open the buckle to remove the support strap.

**Warning:** Do not attempt to release the support strap while the patient is supported by the sling.

**Caution:** If the patient lacks sitting balance and has been returned to sit on the side of the bed, a second attendant may be needed to support the patient while the sling is being removed.
The *Sara 3000* uses a battery discharge indicator, located on the cover above the battery. (See Fig. 1).

It is recommended that the battery be removed from the lift and recharged when the battery discharge indicator displays amber.

To prolong the battery pack life, recharge it before it reaches a low state of battery charge, and certainly before it is totally discharged.

Your lift is equipped with an audible warning device which will sound when the battery discharge indicator reaches the red light range.

To ensure that the *Sara 3000* is always ready for use, it is recommended that a fully charged battery pack always be available. Do this by having additional battery packs available and keeping one charging while the other is in use.

It may be considered good protocol to have a fully charged battery ready for the start of every work shift.

- **Note:** When a fully charged battery is inserted into the lift the display will return to the green fully charged position, regardless of the level the indicator had reached previously. However, if a partially charged battery is inserted, the previous indicator level will be maintained, even though the recently inserted battery may be in a better state of charge than indicated. To achieve a true indication of battery condition, a fully charged battery must be inserted into the lift. This will reset the indicator.

Place the battery pack on the charger as follows:

- **Warning:** Ensure that the electric power to the charger unit is switched off before connecting the battery.

- **Note:** The cable that connects the power supply to the charger is supplied as a separate item. If using the battery charger for the first time, or if the cable has been unplugged from the charger, connect the cable fully into the charger before connecting to the main electrical socket.

When the LEDs on the battery discharge indicator display amber, complete the lift/lower cycle. Then take the lift to a convenient location and remove the battery pack by holding it securely, depressing the button at the top of the battery pack then pulling it out carefully.

A discharged battery should be left approximately 8 hours to totally recharge.

- **Caution:** Hold the pack firmly to ensure that it does not drop and become damaged or cause personal injury.

- **Note:** The battery pack may be left connected to the charger unit when it is fully charged without being damaged.
When the battery pack is fully charged, disconnect the power, remove the pack from the charger, and insert it back into the Sara 3000. An electrical connection is made automatically. Ensure the green Reset Button is pressed in. The Sara 3000 is now ready for use.

**Warnings**

**Warning:** Always disconnect the main supply before disconnecting the battery from the charger unit.

When the battery pack is fully charged, disconnect the power, remove the pack from the charger, and insert it back into the Sara 3000. An electrical connection is made automatically. Ensure the green Reset Button is pressed in. The Sara 3000 is now ready for use.

**Warnings**

**Warning:** Never charge the battery near a patient environment.

- The charger is for indoor use only.
- Only use the charger unit in a dry environment. Do not use it in a bathroom.
- Do not expose the charger unit or battery pack to rain or spray and do not soak it.
- Do not expose the charger unit to dust.
- Do not cover the charger while in use, as it can overheat.
- Do not smoke or allow open flames in the vicinity of the battery.
- The battery charger is for use only with batteries that are supplied by ARJO for use with the Sara 3000.
- Use the battery charger for sealed lead acid batteries only.
- Under no circumstances should the charger be used to recharge non-rechargeable batteries.
- Do not attempt to open or tamper with the charger in any way. Send the charger to the manufacturer for any repairs.
- The power socket must be easily accessible. If a fault condition occurs, switch off the power and remove the connection plug from the socket.
- When charging batteries, only use ARJO components that have been specifically designed for this purpose.

**General Battery Safety Practices**

**Warning:** Only use the ARJO battery that is supplied for use with the Sara 3000.

Only use the ARJO charger unit supplied with the Sara 3000.

Do NOT charge batteries in a sealed container.
Do NOT place batteries near or dispose of them in a fire.
Do NOT short-circuit a battery.
Do NOT store batteries at temperatures in excess of 60°C (140°F).
Do NOT crush, puncture, open, dismantle or otherwise mechanically interfere with batteries.

**Warning:** If the battery casing becomes cracked, and electrolyte comes into contact with skin or clothing, wash immediately with water.

If the electrolyte contacts the eyes, wash them immediately with copious amounts of water and seek medical attention.

When disposing of batteries, contact the appropriate local authority for advice.

The abbreviation “Pb” shown adjacent to the recycling and trash bin symbols on the battery pack label is the element symbol for lead. It indicates that the battery contains lead and should therefore not be disposed of in the normal manner but must be recycled.

**Note:** If the lift is not going to be used for an extended period of time, remove the batteries.
General Lift Care

**Caution:** All slings should be checked, and, if necessary, washed according to instructions on the sling.

Slings should not be classified as linen, but as an accessory to a patient transfer lift and, therefore, are classified as a medical device. Slings should be cleaned and disinfected only in strict accordance with the manufacturer’s instructions.

Mechanical pressure, such as rolling or pressing, should be avoided during the washing and drying procedure as this can damage parts that are vital to the safe and comfortable operation of the sling.

Washing and drying temperatures must not exceed 80°C (176°F). Wash using normal detergents. Do not iron.

It is recommended that ARJO Patient lifts, equipment, accessories and slings are regularly cleaned. If the slings, lift and equipment need cleaning, or you suspect them of being contaminated, follow the cleaning and/or disinfection procedures recommended below before re-using the equipment. This is especially important when using the same equipment for another patient, to minimize the risk of cross-infection.

To clean the lift, wipe it down with a damp cloth using warm water to which an appropriate ARJO disinfectant cleaner has been added, such as ARJO Clean.

**Note:** These products are available from ARJO or its authorized distributors.

**Caution:** Do not soak the product as this could damage electrical components and cause internal corrosion.

If a hot air dryer is used to dry the lift, the temperature should not exceed 80°C (176°F).

Do not use petroleum-based solvents, as these may damage plastic parts.

To disinfect contaminated lifts and accessories, use the preferred method of wiping the product completely with “hard surface disinfectant wipes” which are supplied impregnated with a 70% v/v solution of Isopropyl Alcohol.

**Note:** A rubbing action will be necessary when using the wipes, to effectively disinfect the surfaces.

**Important:** Cleaning and disinfection products must be used in accordance with the manufacturer’s instructions. Wear the appropriate eye, hand and clothing protection at all times when handling disinfectants.

**Note:** 70% v/v Isopropyl Alcohol wipes have been proved to be effective against MRSA and several other microorganisms under light soiling conditions.

Ensure that the battery pack is always fully charged.

Environmental Advice

When disposing of any items associated with the lift, contact the appropriate local authority for advice.
Check that the lift can be moved normally, and ensure that the castors move freely, as they can be clogged by hair and fluff. Also make sure that the tread of the castor is not damaged.

**Caution:** Ensure that the castors are firmly secured to the chassis.

Carefully inspect all parts, in particular where there is personal contact with the patient’s body. Ensure that no cracks or sharp edges have developed which could injure the patient’s skin or become unhygienic.

It is essential that the clips and slings are carefully inspected before each and every use. If the slings are frayed, or the clips are damaged, do not use the sling and replace it immediately.

Check that all external fittings are secure and that all screws and nuts are tight.

Ensure that all the instruction labels are firmly attached and in a readable condition.

### Periodic Testing

For normal operation - use the control handset to raise and lower the Patient Support. This is to test for full and efficient movement.

**Automatic Stop Function:** With the Patient Support arms raised well above their lowest position, use the control handset to lower them and, at the same time, with your other hand, hold the Patient Support arms up briefly. The motor will continue to run while the Patient Support arms weight is held. This is quite normal. Release the button and carefully lower the Patient Support Arms. Use the Lower button on the control panel to repeat this check. This is to accurately check that the automatic stop functions.

**Stop Button (red):** To test the Emergency Stop function, use the control handset to lift or lower the Patient Support arms. While using the handset, press the red Stop button. Powered movement should stop immediately. Repeat this check for the chassis leg opening/closing function, and reset the button.

**Adjustable Width Chassis Function:** Use the control handset to open and close the chassis legs to check for full and efficient movement.

**General Lift Condition:** Carry out a general visual inspection of all external parts, and test all functions for correct operation, to ensure that no damage has occurred during use.

---

**Caution:** If in doubt about the correct operation of the Sara 3000, do not use it and contact the ARJO Service Department.

### Servicing Advice

**Warning:** ARJO recommends that the Sara 3000 be maintained at regular intervals. See Sara 3000 Preventive Maintenance Schedule (ARJO Literature Part No. KXX81011.US/Sara 3000).

With regular use, the following items are subject to wear: slings, batteries, straps, castors. These items must be regularly checked as described previously, and replaced as needed.

**Warning:** UK LIFTS ONLY: Important legislation came into force on 5th December 1998, which has an impact on the schedule of service for your patient lift(s), variable height baths and other raising and lowering equipment. The Lifting Operations and Lifting Equipment Regulations (LOLER) 1998 and The Provision and Use of Work Equipment Regulations (PUWER 98) must be satisfied by the owner. A schedule of thorough examinations every six months has been developed to comply with the law and details can be obtained from ARJO Service UK.

Parts lists and circuit diagrams are available on request from ARJO or its approved distributors.

**Warning:** Spare parts, if required, are available from ARJO or its approved distributors.

Special tools are required for certain component replacement.

**Warning:** The simplest, safest and most effective way to maintain your product is to have it methodically and professionally serviced by an ARJO approved representative using ARJO approved spare parts.

For information on service and maintenance contracts, please contact your local ARJO distributor.
1. Product Name
2. Safe Working Load - 160 kg (350 lb)
3. Battery Information
4. Emergency Stop and Reset Button Identification
5. Battery Discharge Indicator and Hour Meter
6. ARJO logo
7. Attention: Read Operating Instructions
Component Weights

<table>
<thead>
<tr>
<th>Component</th>
<th>kg</th>
<th>lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sara 3000 complete</td>
<td>61</td>
<td>(134)</td>
</tr>
<tr>
<td>Battery Pack</td>
<td>3.8</td>
<td>(8.4)</td>
</tr>
</tbody>
</table>

Maximum Lifting Capacities

<table>
<thead>
<tr>
<th>Capacity</th>
<th>kg</th>
<th>lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Lift</td>
<td>160</td>
<td>(350)</td>
</tr>
<tr>
<td>All slings</td>
<td>160</td>
<td>(350)</td>
</tr>
</tbody>
</table>

Electrical

- Battery Type: (Rechargable - sealed lead acid)
- Battery Part Number: NDA0100-20
- Battery capacity: 24V 4Ah
- Lift - Protection Class: IPX4
- Lift nominal voltage: 24V
- Fuse - Overload: 5A (thermal cutout)
- Fuse - PCB: 10A (time delay)
- Battery Charger Part Number (suffix is country code): NDA2100-EU, NDA2100-GB, NDA2100-CH, NDA2100-US, NDA2100-AU

Medical Equipment:- type ⚠ protection against electrical shock in accordance with IEC 601-1)
ARJO Patient Handling products meet the requirements of Electromagnetic Compatibility (EMC) as stated in clause 12.5 of the Medical Devices Directive 93/42/EEC.

⚠ Although compliant with EMC requirements, there is a remote chance that close proximity usage may affect overly sensitive electrical equipment

<table>
<thead>
<tr>
<th>Duty cycle</th>
<th>Max volts</th>
<th>Max amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mast Lift Actuator</td>
<td>10% - 6 min/hr</td>
<td>24</td>
</tr>
<tr>
<td>&quot;V&quot; Chassis Actuator</td>
<td>10% - (6 min/hr)</td>
<td>24</td>
</tr>
</tbody>
</table>

Environment

- Air Humidity/Storage: 80% @ 20°C (68°F)
- Usage temperature range (ambient): +5°C (41°F) to +35°C (95°F)
- Optimum Usage Temperature (ambient): +20°C (68°F) to +25°C (77°F)
- Storage and transportation temperature (ambient): -10°C (14°F) to +45°C (113°F)

Maximum sound power level

In accordance with ISO 3746: 53dB (dB re 1pW ± 3dB)
Technical Specification

Total Length (A) : 1,000 mm
Min. Working Height (B) : 930 mm
Max. Working Height (C) : 1,730 mm
Height Chassis (E) : 115 mm
External Width, legs closed (F) : 650 mm
Internal Width, legs open (G) : 900 mm
Total Height (D) : 1,185 mm
Weight : 61 kg (134 lbs)

Technical specifications may be revised and changed without prior notice.