

R'LIFT SMART

USER AND SAFETY MANUAL

Translated from the original instructions



REVISION LOG

Original Issue

A - 9 September 2025

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FOREWORDFOREWORD

This handbook is very important. Keep it with the machine so that you can refer to it at any time.

The aim of this manual is to provide homeowners with, to users, operators, landlords and tenants: the necessary safety precautions and operating procedures

EN to ensure the machine operates safely and correctly, in accordance with its intended use.

Due to ongoing product improvements, Tubesca-Comabi reserves the right to amend specifications without prior notice. For the latest information, please contact Tubesca-Comabi.

Visit www.tubesca-comabi.com for information on the guarantee, product registration and other documents relating to the machine.

For all matters relating to:

- Reporting an incident or accident
- Official publications on product safety
- Information for current owners
- Any questions regarding product safety
- Compliance with applicable standards and regulation
- Specific uses of the product
- Modifications or adaptations to the product

Visit the website: www.tubesca-comabi.com

Or send an email to: contact@tubesca-comabi.com

SPECIFICATIONS FOR THE R'LIFT SMART 320

EN

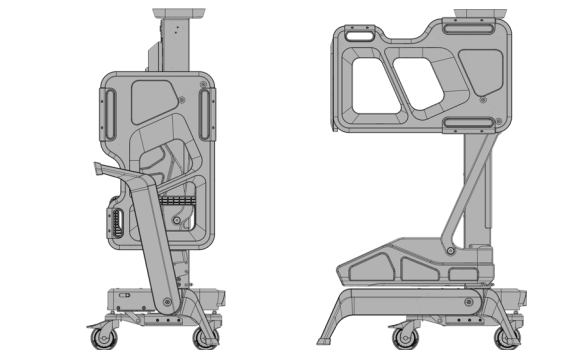


Fig. 1A - Specifications of the R'Lift Smart 320

Dimensions when folded

LENGTH	575 mm
Width	755 mm
Height	1616 mm
Weight	180 kg
Maximum inclination for manoeuvres	8 °
Maximum tilt for the parking	3.

Dimensions when unfolded

LENGTH	970 mm
Width	755 mm
Height	1616 mm
Access threshold height	365 mm

SPECIFICATIONS FOR THE R'LIFT SMART 320

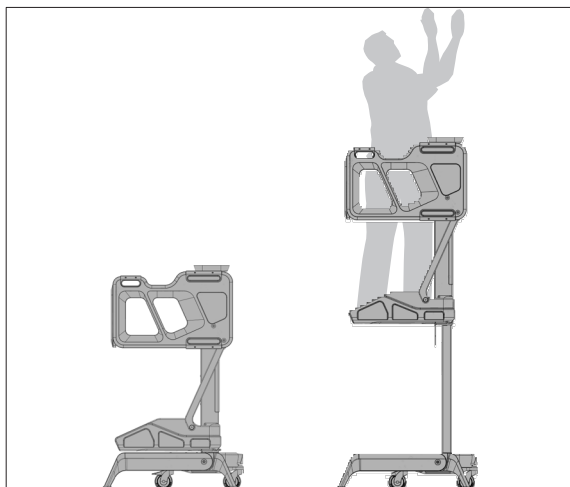


Fig. 1B - Specifications of the R'Lift Smart 320

Work dimensions

Maximum platform height	1.2 m
Maximum height of work	3.2 m
Platform dimensions	583 mm × 400 mm
Work area	990 mm × 774 mm
Maximum permissible load	150 kg
Maximum number of people (margin maximum tolerance)	1 person weighing over 70 kg (including 20 kg on the platform à outils)
Maximum manual force	200 N
Maximum operating angle	0.5°
Maximum wind speed	0 m/s (indoor use) (only)
Maximum weight including payload	330 kg
Maximum load capacity of the wheels	127 kg (1.25 kN)
Vibration level	Less than 0.5 ^{m/s²}
Operating temperature range	-10 °C to 40 °C

SPECIFICATIONS OF THE R'LIFT SMART 350

EN

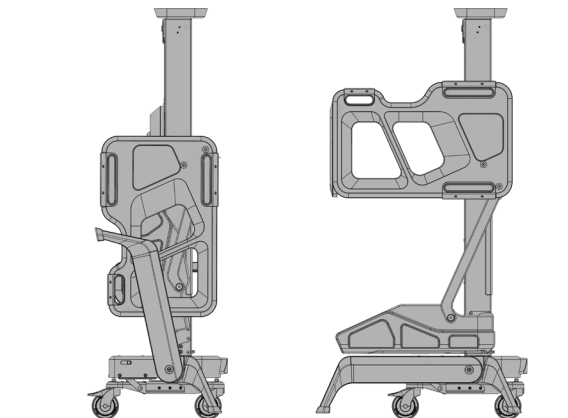


Fig. 2A - Specifications of the R'Lift Smart 350

Dimensions when folded

LENGTH	575 mm
Width	755 mm
Height	1916 mm
Weight	205 kg
Maximum inclination for manoeuvres	8 °
Maximum tilt for the parking	3.

Dimensions when unfolded

LENGTH	970 mm
Width	755 mm
Height	1916 mm
Access threshold height	365 mm

SPECIFICATIONS FOR THE LR'LIFT SMART 350

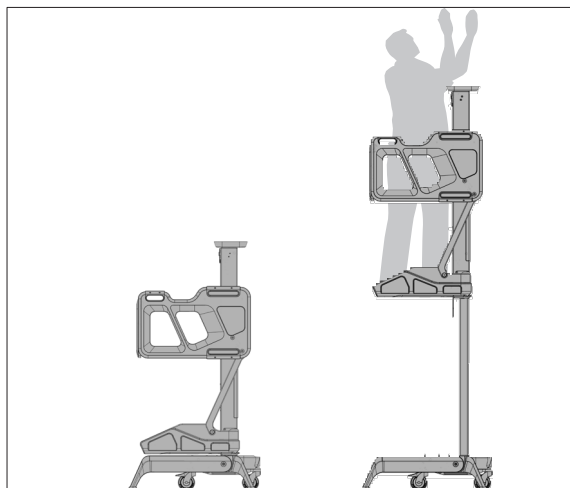


Fig. 2B - Specifications of the R'Lift Smart 350

Work dimensions	
Maximum platform height	1.5 m
Maximum height of work	3.5 m
Platform dimensions	583 mm × 400 mm
Work area	990 mm × 774 mm
Maximum permissible load	150 kg
Maximum number of people	1 person weighing over 70 kg (including
maximum tolerance limit	(20 kg on the platform à outils)
Maximum manual force	200 N
Maximum operating angle	0.5°
Maximum wind speed	0 m/s (indoor use) (only)
Maximum weight including payload	345 kg
Maximum load capacity of the wheels	127 kg (1.25 kN)
Vibration level	Less than 0.5 ^{m/s²}
Operating temperature range	-10 °C to 40 °C

PART IDENTIFICATION (FOLDED CONFIGURATION)

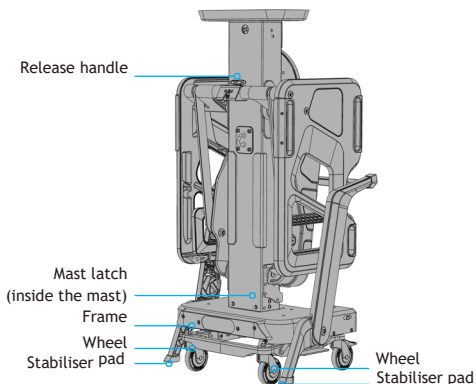
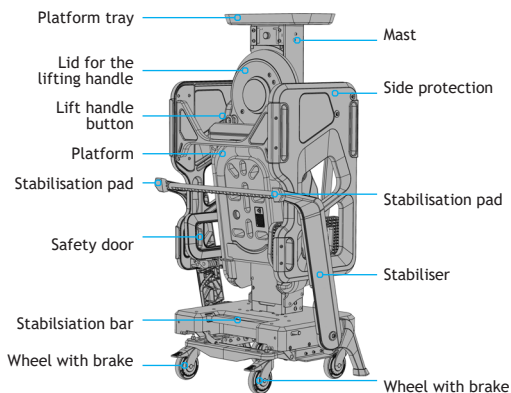


Fig. 3A - Part identification (folded configuration)

PART IDENTIFICATION (UNFOLDED CONFIGURATION)

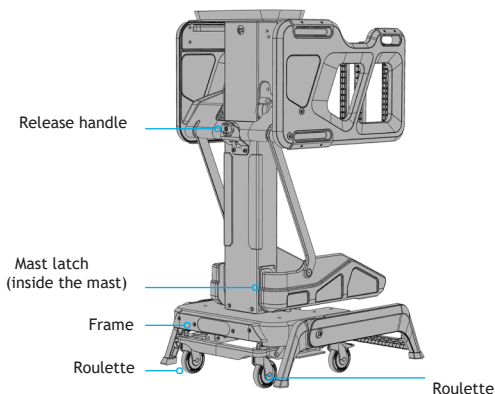
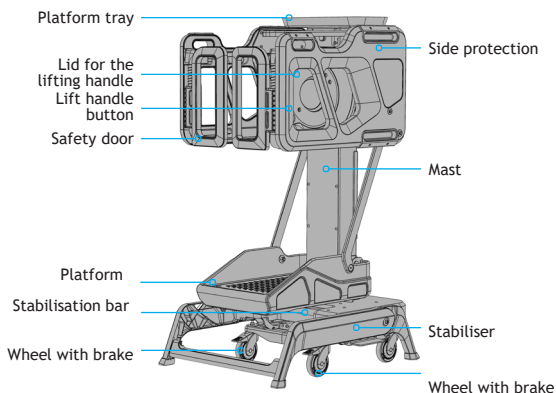


Fig. 3B - Part identification (unfolded configuration)

SAFETY INSTRUCTIONS

GENERAL INFORMATION

This section sets out the responsibilities of the owner, user, operator, lessor and lessee in relation to safety, training, inspection, maintenance, enforcement and use. If you have any queries regarding the safety, training, inspection, maintenance, application or use of the machine, please contact Tubesca-Comabi.

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WARNING

Failure to follow the safety instructions set out in this manual may result in damage to the machine, property damage, personal injury or death.

BEFORE STARTING THE MACHINE

Operator training and knowledge

- Read, understand and study the user and safety manual in full before using the machine. If you require any clarification, have any questions or need further information regarding any part of this manual, please contact Tubesca-Comabi.
- Please ensure that you comply with all applicable regulation regarding working at height.
- A rescue section appropriate to the task and the environment in which the machine is used must be put in place.

Inspection of the work site

- The user must take all necessary precautions to avoid any hazards in the work area before and during use.
- Before using the machine, he must check for any hazards at height, particularly power lines.
- Check that work surfaces are free from holes, bumps, uneven areas, obstructions, debris, hidden holes and other potential hazards.
- Ensure that the ground conditions are capable of supporting the maximum load per foot indicated on the mast sticker.
- The machine can be used at ambient temperatures ranging from -20 °C to 40 °C.

Machine inspection

- It is recommended that the inspections and functional checks specified in the section 'Checks' be carried out before starting the machine.
- Ensure that all safety devices are working properly. Modifying these devices constitutes a breach of safety regulations.
- Do not use a machine that does not have safety labels or instructions, or on which the labels are illegible.
- Check that the machine's original components have not been modified. Ensure that any changes have been approved by Tubescal-Comabi.
- Any safety improvement provided by the manufacturer must be implemented before using the machine.
- Prevent debris from accumulating on the platform / deck floor. Remove mud, oil, grease and other slippery substances from shoes and the platform / deck floor.
- It is recommended that you check the machine regularly or when it leaves the warehouse, inspect it thoroughly and look for any signs of damage or corrosion on the guardrail and the platform the platform, the chassis and the mast lifting structure.

Use

General information

- Before using the machine, the operator must be fully familiar with its capabilities and how each of its functions works.
- You must pay full attention when using the machine.
- Do not use the machine for any purpose other than positioning staff, their tools and equipment.
- Do not remove, alter or disable the safety devices.
- Lower the platform completely before leaving the machine.
- Remove all rings, watches and jewellery when using the machine. Do not wear loose-fitting clothing and tie back long hair that could get caught or tangled in the machine.
- Although no specific personal protective equipment (PPE) is required to operate the machine, the operator must wear PPE suitable for the working environment.
- People under the influence of drugs or alcohol, or who are prone to seizures, dizziness or loss of physical control, must not use this machine.
- The machine must not be used to access fixed platforms.

Risks of tripping and fall

- Before using the machine, it is recommended that you ensure all doors and guardrail are securely fastened and held in the correct position.
- Please enter and exit only via the designated area. Take the utmost care when entering or leaving the platform. Make sure the platform is fully lowered. Face the machine when entering or leaving the platform. You must always maintain 'three points of contact' with the machine, using both hands and one foot or both feet and one hand at all times when getting on and off.
- EN • Keep both feet firmly planted on the platform / deck of the platform. Never place ladders, boxes, steps, planks or similar items on the machine to increase its reach for any purpose.
- Never use the mast to get on or off the platform.
- Ensure that footwear and the platform / deck of the platform are free from oil, mud and slippery substances.

Risks of electric shock

- This machine is not insulated and does not provide protection against contact with or proximity to an electric current.

Risks of tipping

- Ensure that the ground conditions are capable of supporting the maximum load per foot indicated on the mast sticker.
- Do not raise the platform on or near a angled, uneven or soft surface.
- Always position the machine on a hard, level surface within the maximum permitted angle of inclination before raising the flat.
- Never exceed the platform's maximum capacity as specified on the platform itself. Ensure that all loads remain within the platform's boundaries.
- Keep the machine's undercarriage at least 0.6 m away from holes, bumps, uneven ground, obstructions, debris, hidden holes and other potential hazards on the ground.
- Never attempt to use the machine as a crane. Do not secure the machine to an adjacent structure. Never attach any wires, cables or similar items to the platform.
- Do not use the machine in strong winds.
- Do not increase the size of the platform by making unauthorised modifications, adding extensions of deck or fitting unauthorised accessories.

Risks of being crushed or involved in a collision

- While using the platform, keep all parts of your body within the guardrail.
- Keep anyone not involved in the operation at least 1.8 metres away from the machine at all times.
- Never manoeuvre over people on the ground. Warn staff not to work, stand or walk under a raised platform. Install floor barriers where necessary.

Transport, handling and storage

- This machine must not be towed.
- Ensure that the platform is folded away and that the tool platform is completely empty before carrying out any operations.
- Never push the machine on a slope without taking appropriate safety precautions.
- Never leave the machine unattended without first applying the castor wheel brakes.

Risks associated with maintenance

- Use only spare parts or components approved by Tubesca-Comabi. To be considered approved, spare parts or components must be identical or equivalent to the original parts.
- Only trained/certified service / maintenance staff should carry out maintenance work.

CHECKS BEFORE STARTING THE MACHINE

1. Visually inspect the machine for any signs of damage or corrosion on the guardrail, platform, chassis and mast lifting structure.
2. Check that the brake pedals on the castor wheels are working properly (Fig. 4A).
3. Check that the spirit level is in good working order and centre the bubble to ensure the machine is level.
- EN 4. If necessary, remove any lock devices that might prevent the machine from unfolding, such as a padlock.
5. Unfold the machine as follows:
 - Lower the stabiliser (Fig. 4B, C, D) until it locks into place.
 - Grasp the handles (Fig. 4E, F) on the side protections and pull them forwards and upwards until they are fully raised. You will notice that the platform is fixed in place and lowers simultaneously.
 - Continue lifting until the doors close and the mechanism engages with the unlocking handle located at the rear of the machine, accompanied by an audible 'click' (Fig. 4G).
6. Carry out a further visual inspection to check for any signs of damage to the side guards, doors, platform, lifting structure, chassis, castor wheels, stabiliser and winding mechanism.
7. Push open the spring-loaded doors, step onto the platform and enter the machine. The machine lowers itself onto its feet. Make sure the doors close completely behind you.



WARNING

Do not lift the machine unless it is lowered onto its feet.



WARNING

Do not raise the machine if the doors are not closed.

8. To ensure that the lifting handle locking mechanism (Fig. 5A, B) is working properly, stand on the platform and, whilst turning the lifting handle 360° in the direction of like the hands of a clock, pull and release the button at each of the 10 lock positions. The lifting handle must lock in each position. Once you reach the last position, go back to the fully lowered position by turning the lifting handle once anti-clockwise.



WARNING

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If the mast lock system (which prevents dangerous lifting in the event of a fault in the lifting mechanism) is activated, it will not be possible to raise or lower the raised platform. Please contact the manufacturer.

9. When the platform is fully lowered, stand on it, pull the lifting handle and turn it to inspect the surface and check for any signs of significant wear. If there are significant scratches or visible marks, please contact the supplier or manufacturer.
10. To log out:
- Make sure the machine is fully lowered.
 - Turn around and open the doors.
 - While standing by the doors, turn around again so that your back is facing the exit of the machine.
 - Holding onto the handrails or side protections, carefully step backwards off the platform and exit the machine.
11. Turn the release handle located at the rear of the machine clockwise (Fig. 6A) to release the assembly.
12. Return to the front of the machine and carefully lower the lateral protections (Fig. 6B, C, D) until they are completely folded down. You will notice that the step ladder is fixed to the vehicle and lifts up at the same time, and that the doors fold back against the platform.
13. Pull the stabilisation bar (Fig. 6E) forwards to release the stabiliser.
14. Lift the stabiliser and return it to its stowed position (Fig. 6F, G).
15. Release the brake on the castor.
16. If there is any visible damage, do not use the machine. Report any damage to the supplier or manufacturer.

USING THE USE OF THE MACHINE

1. Carry out the checks before starting the machine.
2. Carefully move the machine to the desired location, then apply the brakes on the castor wheels (Fig. 4A).
3. Check that the machine is level using a spirit level.
4. If necessary, remove any lock devices that might prevent the machine from unfolding, such as a padlock.
5. **EN** Unfold the machine as follows:
 - Lower the stabiliser (Fig. 4B, C, D) until it locks into place.
 - Grasp the handles (Fig. 4E, F) on the side protections and pull them forwards and upwards until they are fully raised. You will notice that the platform is fixed in place and lowers simultaneously.
 - Continue lifting until the doors close and the mechanism engages with the unlocking handle located at the rear of the machine, accompanied by an audible 'click' (Fig. 4G).
6. Push open the spring-loaded doors, step onto the platform and enter the machine. The machine lowers itself onto its feet. Make sure the doors close completely behind you.

WARNING

Do not lift the machine unless it is lowered onto its feet.

WARNING

Do not raise the machine if the doors are not closed.

7. To raise the machine, pull the button on the lifting handle towards you and turn the lifting handle clockwise (Fig. 5A).
8. To stop the machine, stop turning the handle, then release the button to lock it.
9. To lower the machine, repeat the same procedure, this time turning the lifting handle anti-clockwise (Fig. 5B).



WARNING

If the mast lock system (which prevents dangerous lifting in the event of a fault in the lifting mechanism) is activated, it will not be possible to raise or lower the raised platform. Please contact the manufacturer.

10. Once the task is complete, lower the machine fully.
11. To log out:
 - Make sure the machine is fully lowered.
 - Turn around and open the doors.
 - While standing by the doors, turn around again so that your back is facing the exit of the machine.
 - Holding onto the handrails or side protections, carefully step backwards off the platform and exit the machine.
12. Fold the machine as follows:
 - Turn the release handle located at the rear of the machine clockwise (Fig. 6A) to release the assembly.
 - Return to the front of the machine and carefully lower the side protections (Fig. 6B, C, D) until they are in position fully lowered. You will notice that the platform moves as a single unit and rises simultaneously, and the doors fold back against it.
 - Pull the stabilisation bar (Fig. 6E) forwards to release the stabiliser.
 - Lift the stabiliser and return it to its stowed position (Fig. 6F,G).
13. Release the brake on the castor.
14. Store the machine carefully.
15. Tighten the brakes on the castor.

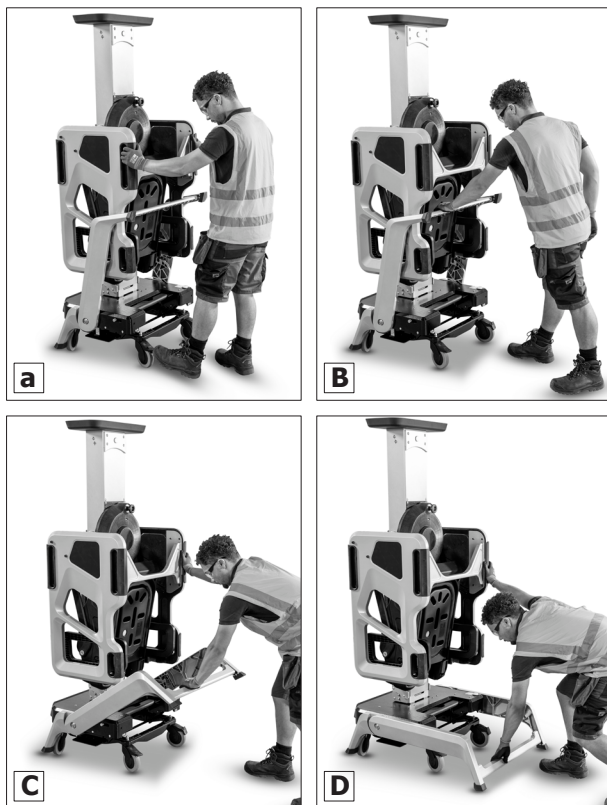
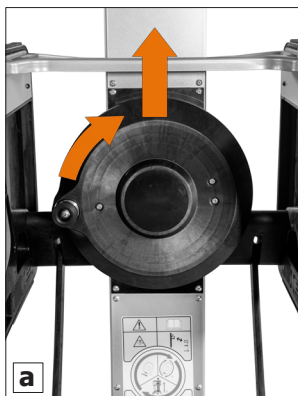


Fig. 4 - Unfolding the machine



Fig. 4 - Unfolding the machine



Turn the lifting handle clockwise to raise the machine



Turn the lifting handle anti-clockwise to lower the machine

Fig. 5 - Using the machine



Fig. 6 - Folding the machine



Fig. 6 - Folding the machine

EMERGENCY PROCEDURES

If the operator is unable to lower the machine, use another safe method to bring it back down to ground level.

WARNING

Never attempt to catch up with the machine or the operator if there is any possibility that the machine may come into contact with any electrical installation or wiring that could cause it to become live.

WARNING

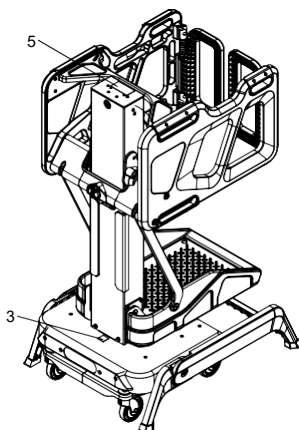
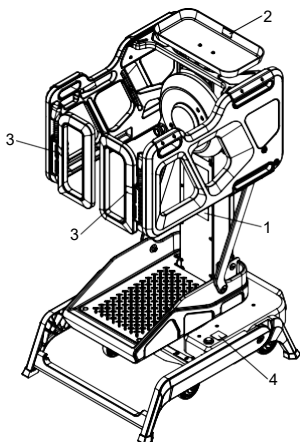
If the mast lock system (which prevents dangerous lifting in the event of a fault in the lifting mechanism) is activated, it will not be possible to raise or lower the raised platform. Please contact the manufacturer.

WARNING

The machine has been designed to be operated by an operator standing on the platform. Any attempt to operate the machine from outside the platform may result in injury.

INSTALLATION DIAGRAM FOR STICKERS

EN



STICKERS

EN

1		1001324678
2		1001272770
3		1001289390
4		1001261089
5		1001272162

MAIN SPARE PARTS SPARE PARTS

Part number	Description
1001322437	Swivelling castor without a brake
1001322438	Swivel castor with brake
1001321204	Spacer plate for castor wheels
1001322243	Stabiliser pad
1001322244	Stabiliser pad
1001322077	Lid for the lifting handle
1001307513	Inner platform support tray
1001328834	Document box
1001325422	Sheet of stickers

Guarantee

The R' Lift Smart (the machine) is covered by a guarantee on parts and components, as set out in the terms and conditions of purchase.

The manufacturer undertakes to replace or repair, free of charge, any part or component that is defective or which it deems to be defective due to a manufacturing fault or material defect, for the duration of the guarantee, with the exception of:

- Faults caused by negligence, misuse or unauthorised modifications.
- Faults caused by misuse or improper use, falls or similar damage caused by, or resulting from, failure to follow instructions regarding transport, storage, installation, loading or use.
- Modifications, additions or repairs carried out by anyone other than the manufacturer or its authorised agents. Transport or shipping costs to and from the manufacturer or its authorised agents for the repair or assessment of the machine or component in connection with a guarantee claim.
- Materials and/or labour costs for renewing, repairing or replacing components due to normal wear and tear.
- Faults resulting from the use of non-standard or additional parts, or any consequential damage or wear and tear caused by the installation or use of such parts.

IMPORTANT

The manufacturer reserves the right, at its sole discretion, to void the guarantee if the machine is not used in accordance with the instructions in this manual.

The manufacturer and/or its authorised agents, directors, employees or insurers shall not be held liable for any consequential damages, losses or expenses of any kind arising from the use of the machine or the inability to use it, regardless of the intended use.

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FR	
EC Declaration of Conformity	
Manufacturer	Power Towers Ltd.
Address	Unit 3, Leicester Distribution Park, Sunningdale Road, Leicester LE3 1UX, UK
Technical Specifications	JLG EMEA B.V.
Address	63 Polarisavenue, 2132 JH Hoofddorp, The Netherlands
Contact	Phillip Godding
Function	Senior Manager - Product Strategy EMEA
Machine type	Lifting PODIUM
Model	LiftPod 1.2 (R/Lift Smart 320), LiftPod 1.5 (R/Lift Smart 350)
Serial number	
Examination body	TÜV SÜD Denmark
Address	Strandvejen 125, 2900 Hellerup, Denmark
Certificate number	TÜV SÜD - 75964837
Reference standards	-
JLG Power Towers hereby declares that the product referred to above complies with the requirements of	2006/42/EC Machinery Directive
Signature	
Surname	Phillip Godding
Date	(DD/MM/YYYY)
Function	Senior Manager - Product Strategy EMEA
Location	Hoofddorp, Netherlands
Note	
This declaration complies with the requirements of Annex II-A to Council Directive 2006/42/EC.	
Any modification to the machine described above would render this declaration invalid	



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