



ASSEMBLY INSTRUCTIONS

Ladder Lift

DDA200/12



Please read this manual before using the product and follow the instructions it contains!

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FOREWORD

Congratulations on the purchase of your new roofing elevator. The DDA200/12 has been manufactured from high-quality materials especially for long-lasting and reliable use. For your own safety and to ensure correct operation of the roofer's elevator, please read and observe these operating instructions before commissioning.

Keep these operating instructions in a safe place. Check the DDA200/12 for transport damage. Damaged roof deck elevators must not be used.

The DDA200/12 is used to lift and transport goods up to a maximum weight of 200 kg onto roofs or higher levels. Improper handling may result in injury or damage to the machine. Any liability for damage resulting from improper use of the elevator or disregard of the specifications and rules of conduct in these operating instructions is excluded. The operator is responsible for ensuring correct use by trained and authorized personnel.

DEFINITIONS

AUTHORIZED PERSON

Trained and authorized personnel who use this device, prepare it for use and provide suitable and sufficient instruction for operators. These instructions relate to:

1. Mechanics and additional equipment of the device
2. Maintaining the functionality
3. Protective equipment
4. Causes and prevention of accidents
5. Tasks of the fitter

OPERATOR

Trained personnel authorized by the operator to use this appliance for safe use, setup, test lifts, maintenance, cleaning, etc., while avoiding all hazards. Hazards may be caused by incorrect assembly, uneven loading, inadequate daily inspection and improper use.

INTENDED USE

Use this appliance in accordance with the information provided in these operating instructions.

DEVICE

This roofer's elevator (roof hoist) with motor and carriage.

PPE

Personal protective equipment, e.g. safety helmets, safety goggles, safety shoes, protective gloves, protective clothing, etc.

REASONABLY FORESEEABLE MISUSE

Use of this device in a manner not intended by the designer, but which may result from readily predictable human behavior.

TARGET GROUP

Group of persons for whom these operating instructions are intended by the manufacturer (authorized representative, operator).

SAFETY INSTRUCTIONS

- Only persons with instruction and knowledge of the operation may use the elevator.
- Only adults in full possession of their mental and physical faculties may install and operate the elevator.
- Cordon off the operating area within a radius of 2.5 m and protect it from unauthorized access.
- Strictly adhere to the maximum load.
- Always load the roof hoist evenly. Place the load to be lifted completely and check whether the load can tip before operation.
- In an emergency, press the emergency stop switch located on the wired control panel.
- If necessary, use tension belts or slings to secure the load on the carriage.
- Secure loads properly before moving the elevator (avoid slipping/falling).
- Do not transport loads that protrude far beyond the carriage. There is a risk of tilting.
- Never transport people or animals with the elevator. Only material transportation is permitted.
- Never reach into the danger zone or step under loads during operation.
- Wear suitable PPE. Loose clothing, jewelry and long hair can get caught in moving parts. Wear protective clothing (e.g. gloves, safety shoes) even when loading and unloading.
- Observe wind conditions. Stop operation in strong winds and squalls.
- Secure the elevator against unauthorized use if operation is interrupted.
- Stop operation immediately in the event of malfunctions or unusual noises.
- Have regular maintenance carried out according to the manufacturer's instructions.
- After use: Disconnect the power supply, dismantle or secure the elevator.
- Check the load-bearing capacity of the surface before installation. Use load distribution plates if necessary.
- Always align the elevator vertically and horizontally. Use a spirit level.
- Check fuses and locks regularly during assembly.
- Do not use damaged components. Damaged components must be replaced immediately.
- Maintain safe distances from edges, other machines and falling edges.
- Only use tested connections and cables for the power supply.
- Carry out a complete visual and functional check before operation.
- Carry out a visual inspection of all screw connections and cable guides after installation. Check that the screws are tight and retighten them if necessary.
- Ensure sufficient distance from traffic routes.
- Before transportation, check all parts for completeness and visible damage.
- Securely lash the elevator to the transport vehicle. Danger of tipping and slipping must be avoided.
- Check space conditions and installation options before arriving on site.
- Check the surrounding area for obstacles such as power lines, trees or uneven ground.
- Keep transport and walking routes clear.
- Carry operating instructions and approval documents with you.
- Do not make any modifications or changes to the appliance without the written consent of the manufacturer. Failure to do so will invalidate the warranty.

TECHNICAL DATA

GENERAL

Type	Unit	Value
Length	mm	12000 + 2000
Rail width	mm	63 x 37
Load pick-up width	mm	730
Transport width	mm	620
Load pick-up height	mm	200
Angle adjustment	°	20 - 45
Profile depth	mm	56
Material		Galvanized profile steel
Weight	kg	230
Max. load	kg	200
Rope length	m	30
Rope diameter	mm	6
Max. Height of support rod	mm	1800
Tensile strength	kg	1200

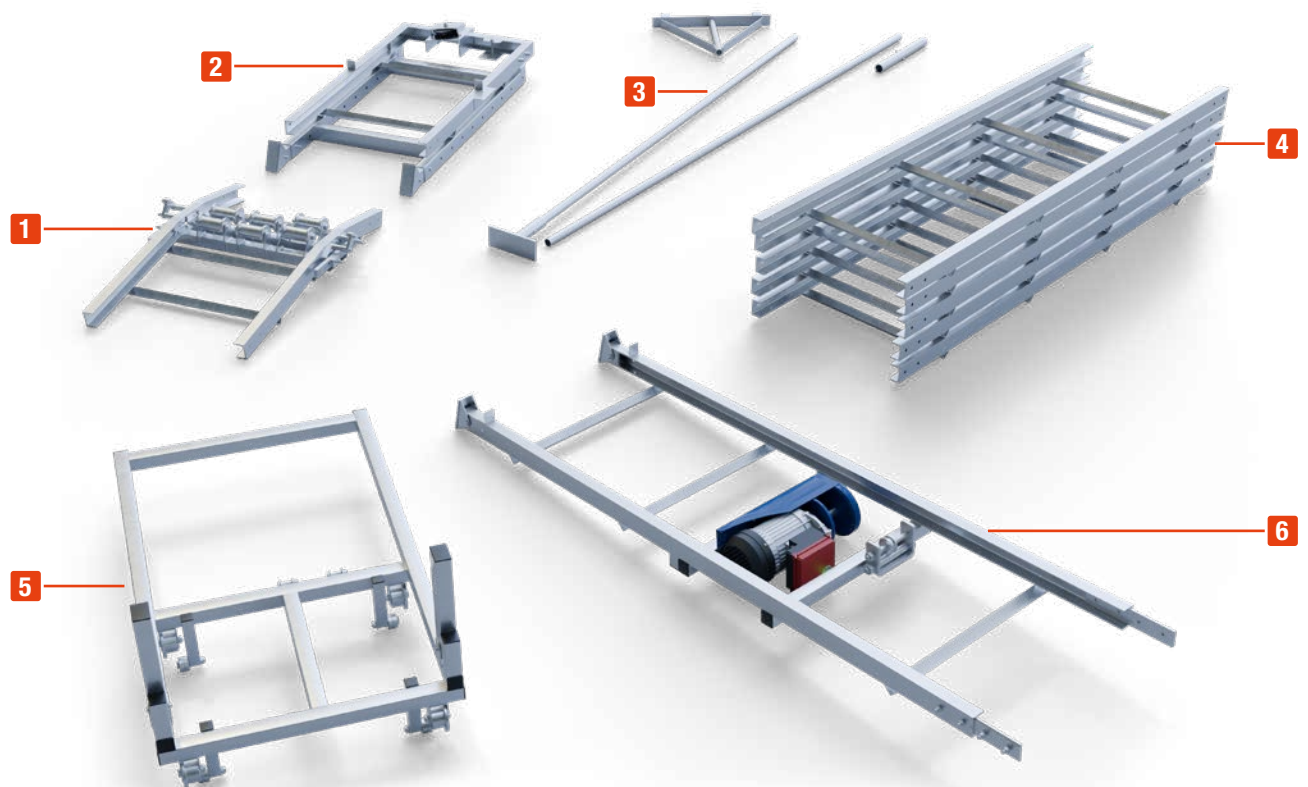
MOTOR

Type	Unit	Value
Dimensions	mm	440 x 160 x 250
weight	kg	19
Drive		Electric
Drive speed	m/min	10
Power rating	kW	1,3
Mains voltage	V	230
Frequency	Hz	50

REMOTE CONTROL

Type	Unit	Value
Range	m	50

OVERVIEW OF MAIN COMPONENTS



No.	Name	Count
1	Rail element with articulated joint	1
2	Rail element with end rail	1
3	Support rod	1

No.	Name	Count
4	2 m rail elements	5
5	Load carriage	1
6	Bottom rail element with electric motor	1

ASSEMBLY INSTRUCTIONS



Before installation, check all parts for damage and the device for completeness. Incomplete, damaged or incorrectly installed roof elevators must not be put into operation.

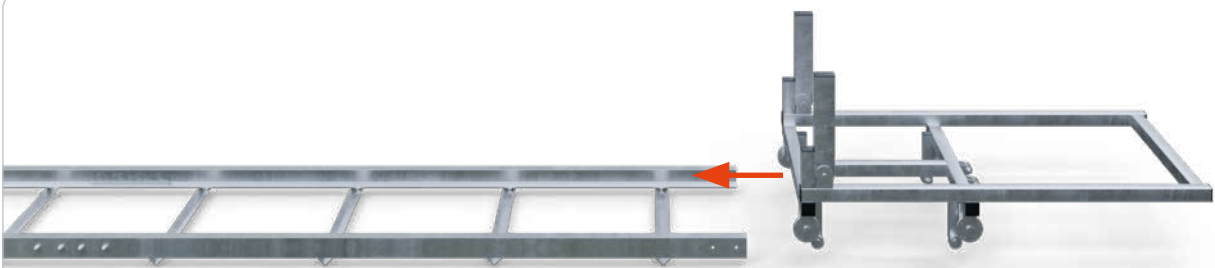


If there is sufficient space available from the wall of the house, the roof load lift can also be completely assembled and erected using a cable pull. This requires approximately the height to which it is to be lifted in a horizontal direction.

1. Lay all parts flat on the floor.
2. Place the number of modules to be mounted in a row on the floor.
3. Use the connecting plates and screws to connect the modules together.
4. Start with 2 rail modules and the lowest module to which the feet and motor will be attached.



5. Thread the carriage into the rails of the roof hoist. Check whether it can be rolled easily.



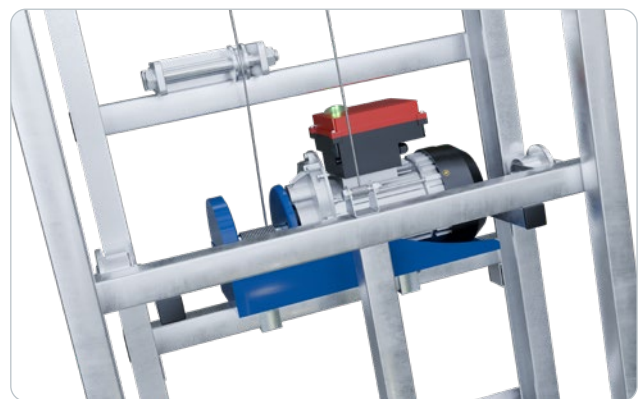
6. Erect the assembled structure and secure it with the support rod.



7. Lower additional modules from the roof and mount them directly on the other modules.
8. Complete the construction with the angle-adjustable module and the end module with deflection pulley. Set the required angle.
9. Support the roof load lift with the support module on top of the roof.



10. Mount the motor on the lowest module using the metal brackets. Pull the wire rope upwards and insert it into the deflection pulley. Then guide it downwards and attach it to the carriage. Install the end stop sensor as shown in the illustration. Connect the end stop sensor to the motor. Install the mechanical fall protection and connect the fall rope via the pulleys on the carriage. Use the metal brackets to mount the motor exactly in the center of the bottom rail module. If the position is off, the carriage may collide with the motor housing.



The motor has protection class IP40 and should not be exposed to rain. Stop working if it starts to rain and cover the motor

REGULAR INSPECTION

1. Carry out a detailed visual inspection of all components before each installation. If damage, cracks or holes are found, the corresponding part must be replaced to ensure the load-bearing capacity of the overall system.
2. Carry out a monthly visual inspection during storage to keep the components ready for use.
3. Carry out a complete visual and functional inspection after installation and before commissioning to ensure safe operation.
4. Carry out a daily visual and functional inspection of an installed roof-mounted goods elevator.



The functional test includes testing the electric motor without load, checking the screw connections and ensuring that the scaffold is standing securely. Ensure that the wire rope is wound cleanly and check it for damage. Tighten any loosened bolts and check that the scaffold is still secure on the ground. This is particularly advisable on soft ground, as weather conditions can loosen the ground.

TROUBLESHOOTING

Problem	Cause	Solution
The slide does not run smoothly on the rail	The rail transition is not firmly screwed in place	Check the screw connections and tighten them
	The rail is bent or damaged in some other way	Replace the rail
	A screw has come loose due to vibrations	Check the screw connections and tighten them
	The bearings of the carriage do not rotate	Check the ball bearings and grease with a suitable lubricant
	The slide is caught on a foreign object	Clean the carriage guide and check whether the carriage continues to catch on foreign objects
The rails cannot be connected to the connecting plates	The connecting plate jams during installation	Loosen the screws slightly so that you have room to screw in more screws. Only tighten the screws completely at the end

PARTS LIST

1



Base Module

1 x

2



Rail module

5 x

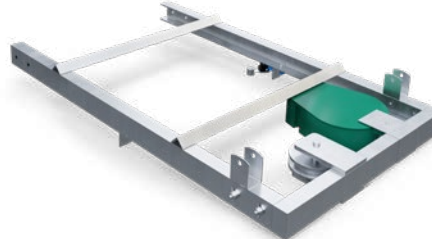
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Module with swivel joint

1 x

4



End module

1 x

5



Support rod

1 x

6



Extension bar

1 x

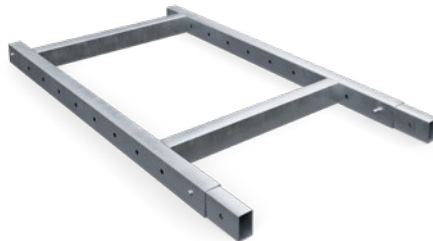
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Galvanised Stand

2 x

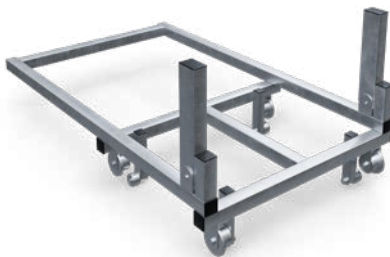
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Support leg for roof section

1 x

9



Load center support

1 x

10



Electric motor with wire rope

1 x

11



Connection bracket for motor

2 x

12



Screws for motor attachment

4 x

13



Nuts for motor attachment

4 x

14



Connecting plates

14 x

15



Phillips screws for connecting plates

56 x

16



Nuts for connecting plates

56 x

17



Remote control

1 x

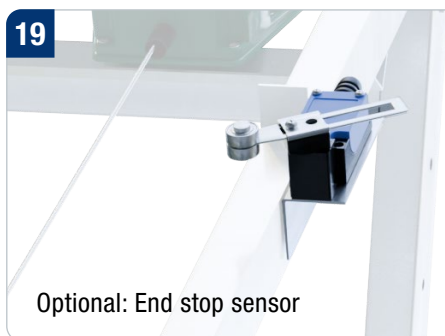
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Optional: Fall protection

1 x

19



Optional: End stop sensor

1 x

SERVICE & CONTACT

Contact our product experts and find help and solutions for your product. Here you will find all contact information listed by country and language: www.topregal.co.uk/en/service

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UKCA Declaration of Conformity

The manufacturer

TOPREGAL UK Ltd.
Carlton Drive Crumlin
Gwent NP11 4EA

hereby declares that the following product

Product name:

SolidHub
Ladder Lift

Type:

DDA200-12

Serial number:

DDA200-12-1000000000 – DDA200-12-9999999999

that the equipment is in conformity with the following relevant UK legislations and applied standards:

2006/42/EC Machinery Directive

EN ISO 12100
EN 16851+A1
EN 60204-1

Name and address of the person who is authorized, compile the technical documentation:

TOPREGAL UK Ltd.
Carlton Drive Crumlin
Gwent NP11 4EA



Place: Crumlin UK
Date: 30.03.2022

Juergen Effner
Chief Executive Officer

TOPREGAL

