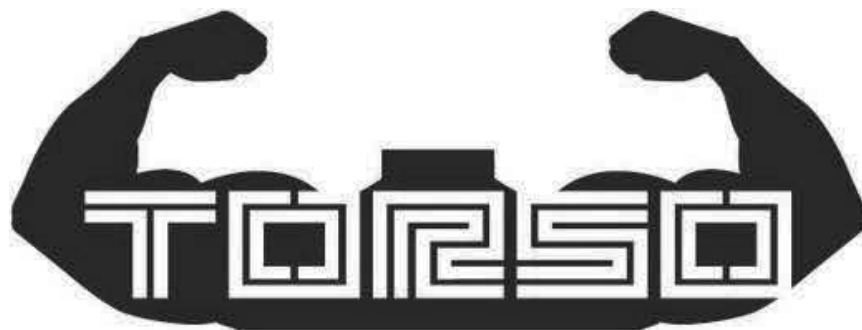




TYPE

MH0500W Electric Hoist



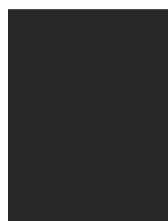
Read this manual carefully before using the electric hoist.



Table of contents

Page

	Symbol label	3.
1.	General	4.
2.	Safety instructions	4.
3.	Montage	5.
4.	Use	6.
5.	Maintenance	8.
6.	Specifications	9.
7.	Guarantee	10.
8.	Circuit diagram	11.
8A.	Switch diagram	12.
9.	Parts	13.
10.	Parts list	14.
11.	EC declaration	15.



Dispose of electrical appliances in an environmentally friendly manner. Do not dispose of electrical appliances with household waste. In accordance with European Directive 2012/19/EU on electronic appliances, they must be collected separately for recycling. Contact your local authorities for available disposal options for your worn-out appliance.



Keeping the user manual

- Keep the user manual near the Electric Hoist in an accessible place.
- Store the user manual in a place where it is not damp.
- Use the user manual in a normal manner without damaging it.

Any use of the Electric Hoist by operators unfamiliar with the instructions and procedures described in this user manual is strictly prohibited.

This user manual is part of the electric hoist and should therefore be kept in a safe place with it. If the electric hoist changes ownership, the user manual should be included.

© 2025 TORSO All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means without the express prior written permission of the publisher, except in cases where otherwise permitted by law.

Symbol label



Read the user manual before use.



It is mandatory to ground the electric hoist.



Do not lift persons with the electric hoist.



Be careful of hanging loads when working with the electric hoist.
Never leave a hanging load without taking the necessary precautions.



Caution! Risk of crushing.



Caution! Rotating parts.

1. General

This hoist is not suitable for handling hot molten materials, use in aggressive environments, or at low temperatures. The mechanisms fall under group M1, and the hoist's service life exceeds 8,000 cycles (excluding wear parts). All mechanisms must be inspected and serviced after every 8,000 cycles. Before using the electric hoist, it is important to fully read and understand the manual and ensure that the user is familiar with its operation and controls. The electric hoist is not designed for continuous use, but for intermittent service, where the rated capacity of the machine does not vary depending on the load's position.

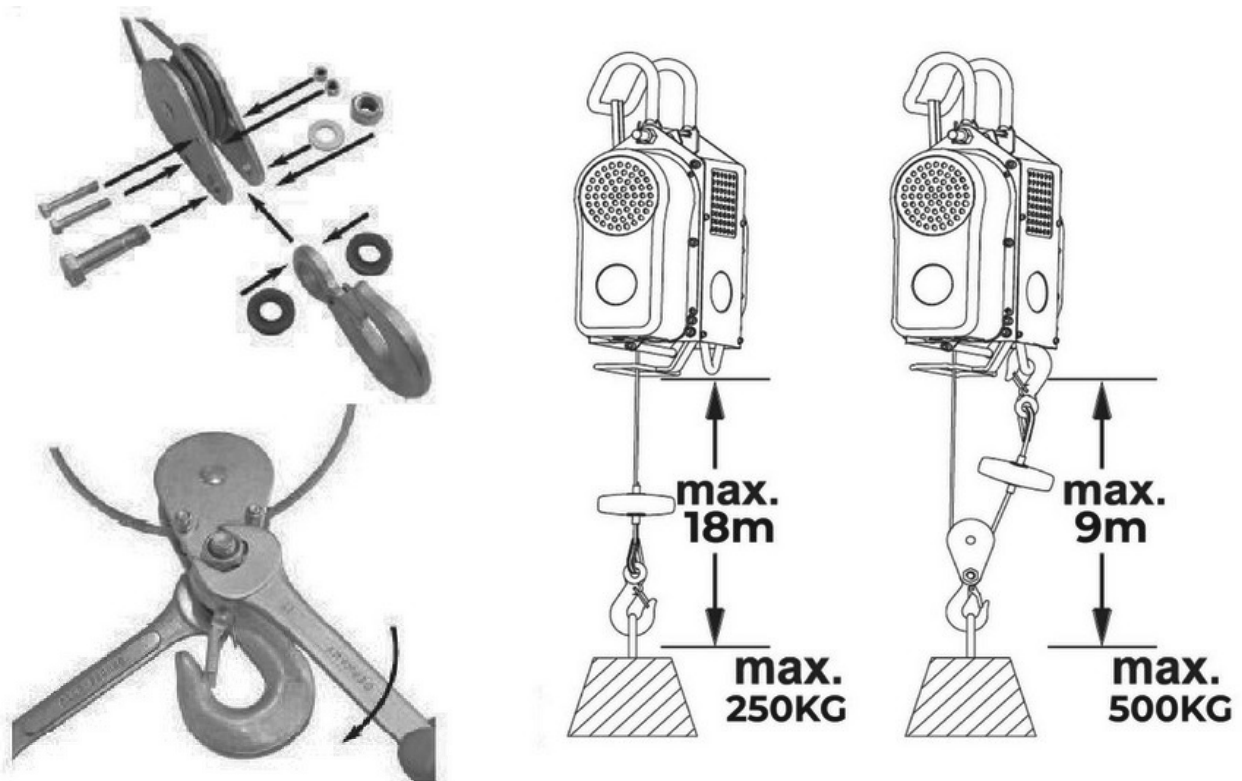
2. Safety instructions

1. Always check whether the power supply corresponds to the voltage on the nameplate. If the mains voltage is not suitable, it may cause abnormal operation or personal injury.
2. Your socket must be earthed and your electrical installation must be equipped with a residual current device.
3. It is prohibited to lift loads above the nominal load of the hoist.
4. Use the appliance only for its intended purpose. Never transport people with the hoist.
5. Do not pull on the cord to disconnect the plug. Keep the cord away from heat, oil, and sharp edges.
6. Do not attempt to lift fixed or blocked loads.
7. Unplug the appliance from the electrical outlet when not in use.
8. Keep children and other unauthorized persons away from the machine.
9. Do not pull loads sideways. Avoid swinging the load or the hook.
10. Make sure the hook moves in the same direction as indicated on the control panel.
11. Inspect the hoist regularly; check that the switches are in good condition.
12. Make sure that the hoist is inspected by an expert according to the legal standard.
13. Avoid rapid on and off sequences.
14. Make sure that your attention is not distracted from operating the hoist.
15. Do not stand or work under a raised load.
16. Do not operate the electric hoist if you are under the influence of alcohol, drugs, illness or are exposed to external hazards.

3. Montage

1. When mounting the electric hoist, ensure it is hung on a solid round beam structure that can handle the weight of the hoist including the maximum load.
2. If in doubt, consult an expert who can advise on the suitability of the beam construction.
3. Ensure the electric hoist is properly secured to the beam structure before use.

The electric hoist is equipped with an additional pulley and hook. When used correctly, the electric hoist can lift twice the weight. Install the pulley using the bolts as shown in the following figure.



The fixed hook on the machine can be attached to the suspension bar, using a special bracket. The load is then lifted using two steel cables, allowing for double the lifting capacity.

4. Use

1. bail hook
2. Suspension rod
3. Motor
4. Motor protection *
5. Roll-up stop
6. Limit switch
7. Hook



1. Remove all packaging material, protective film, etc. before use.
2. The ambient temperature must be between 0°C and 40°C and the humidity must be below 85%.
3. The electric hoist is equipped with overheating protection. During operation, the hoist may stop suddenly if it overheats. After a cooling period, the electric hoist is operational again.
4. Never leave a lifted load unattended without taking precautions.
5. Do not use the limit switches as control stops, they serve as emergency devices.
6. Make sure the radiant heater is correctly wound around the drum and that the coil is equal to the cable diameter.



7. Make sure the load is properly secured and always keep your distance.
8. Check that the emergency stop switch is pressed, if so turn it clockwise to activate the electric hoist.
9. Press the up arrow to hoist the load.
10. Press the down arrow to lower the load.
11. When the load reaches the highest point, the roll-up stop moves upwards and the motor stops running.
12. In case of emergency, always press the emergency stop switch immediately.

Connecting the wireless remote control

1. Insert two fully charged AA batteries into the remote control.
2. Turn the green switch to the vertical position (ON), then press the green square START button for 5 seconds to turn on the remote control. Now operate the winch using the hoist and lower buttons. (Remote control automatically switches off after 10 minutes of no operation.) When you are done with the hoist: -Press the red square STOP button. -Turn the green rotary knob counterclockwise to the horizontal position (OFF) and pull the knob out of the remote control. If the winch and remote control are not going to be used for an extended period of time, remove the batteries from the remote control.
- 5.

Troubleshooting remote control

1. If the LED light flashes green after pressing the button, the batteries are full.
2. If the LED light flashes red or does not flash at all after pressing the button, the batteries are low and should be replaced soon.
3. If the red light on the remote control remains on, remove the batteries and put them back in.
4. If the receiver on the winch does not respond at all, disconnect the winch from the electrical power supply for 20 seconds and then reconnect it to the power supply.

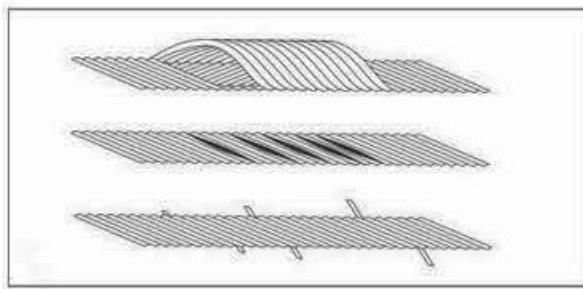
Coding the remote control

1. Disconnect the winch from the electrical supply.
Before you can code the remote control you need to do the following;
2. Remove the batteries from the remote control.
3. Then code the remote control using the following steps;
Simultaneously press and hold the red square STOP button and the ↑ button, then insert the two AA batteries into the remote control. When the red light on the remote control starts flashing rapidly, release the buttons.
4. Then connect the hoist to the power supply. The red light on the remote control will now flash slowly instead of rapidly. The remote control and receiver on the hoist must now be paired.
5. Now press the ↑ button and then the ↓ button to complete the coding.
6. If the coding was successful, the LED on the remote control will flash green once.

5. Maintenance

Note! It is recommended that your electric hoist be inspected annually by an EKH-approved inspection company. This inspection includes checking the hoist against inspection regulations and legal requirements, as well as testing the hoist under load.

1. Check the entire steel cable for damage every 30 cycles (1 cycle = 1 lift and lower). If the cable is damaged, replace it immediately according to the technical data sheet. Examples of damage:



2. Check regularly that the hoist limit switches are working properly.
3. When the hoist lifts, the lever moves upward in the direction of lift. The engine should stop running. (Without load)
4. When the hoist lowers and the downward limit post moves, the engine should stop rotating.
5. Check the power cord and control cord regularly.
6. The steel cable and pulley must be lubricated every 200 cycles.
7. Every 1000 cycles: Check that the screws holding the brackets and the mounting hook are properly tightened.
8. Every 1000 cycles, check that the hook and pulley are in good condition.
9. Before each use of the hoist, check that the emergency stop switch and controls are in good working order.
10. Check the brake function system every 1000 cycles. If the motor makes an abnormal noise or lifts without holding the rated load, the brake function system may require an overhaul.
11. Replace damaged or worn parts and maintain appropriate maintenance records.
12. For exceptional maintenance, contact an authorized service center.

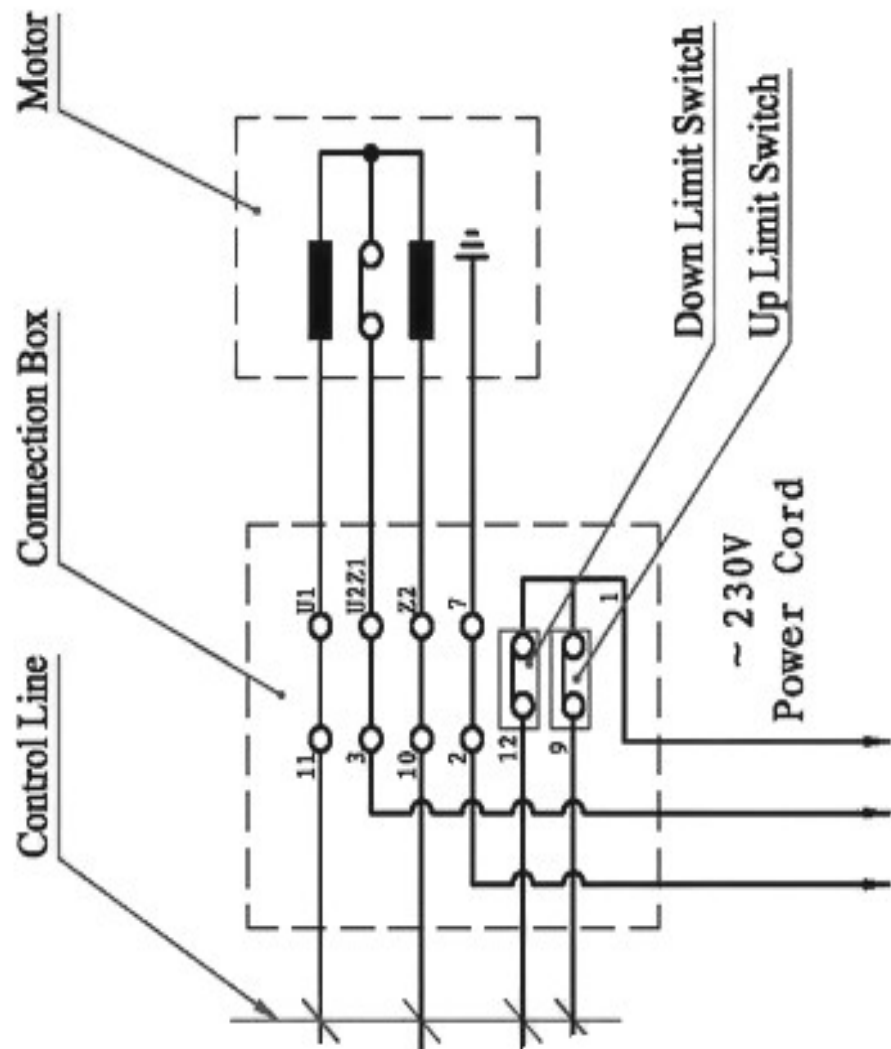
6. Specifications

Model	Voltage	Current	MH0500W
Input	power	(W)	AC230V 50Hz
Capacity	(kg)	Lifting	4.0
height	(m)	Speed	900
(m/min)	Cable diameter		250/500
(mm)			18/9
			8/4
			4.2
Cable thickness (N/mm)			≥1770
Insulating quality			B
Protection class			IP54
Group mechanism			M1
Recommended beam diameter (mm)			40-50
Working speed*			S3 25%
Weight (kg)			19

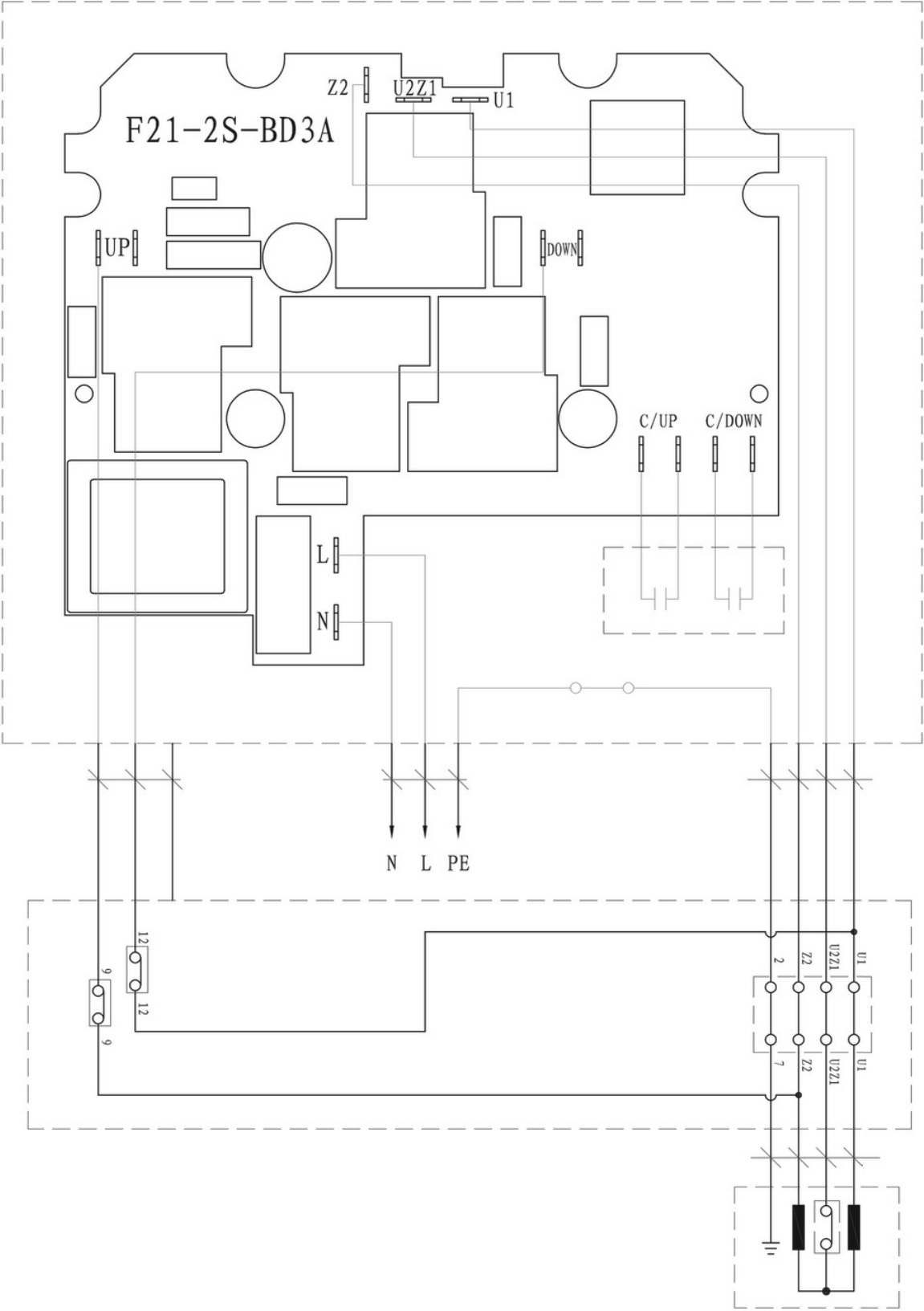
7. Guarantee

1. The warranty takes effect on the date stated on the purchase receipt and is valid for 12 months.
2. The warranty is not transferable without written permission from your supplier.
3. No warranty claim can be made without a purchase receipt.
4. The warranty only applies if the product is used in accordance with the instructions supplied and exclusively for the purpose for which it was designed.
5. No changes may be made to the product.
6. The warranty does not apply in case of improper use.
7. Any shipping costs are not covered by the warranty.
8. Repairs should be carried out exclusively by your supplier. Any repairs performed by third parties will void your warranty.
9. Repairs made during the warranty period will not extend the warranty period. However, a three-month warranty on repairs is provided if the regular warranty expires.
10. Any maintenance work to be carried out, as described in the operating instructions, must be carried out in a timely manner.
11. For warranty claims, please contact the point of purchase where you purchased the item.

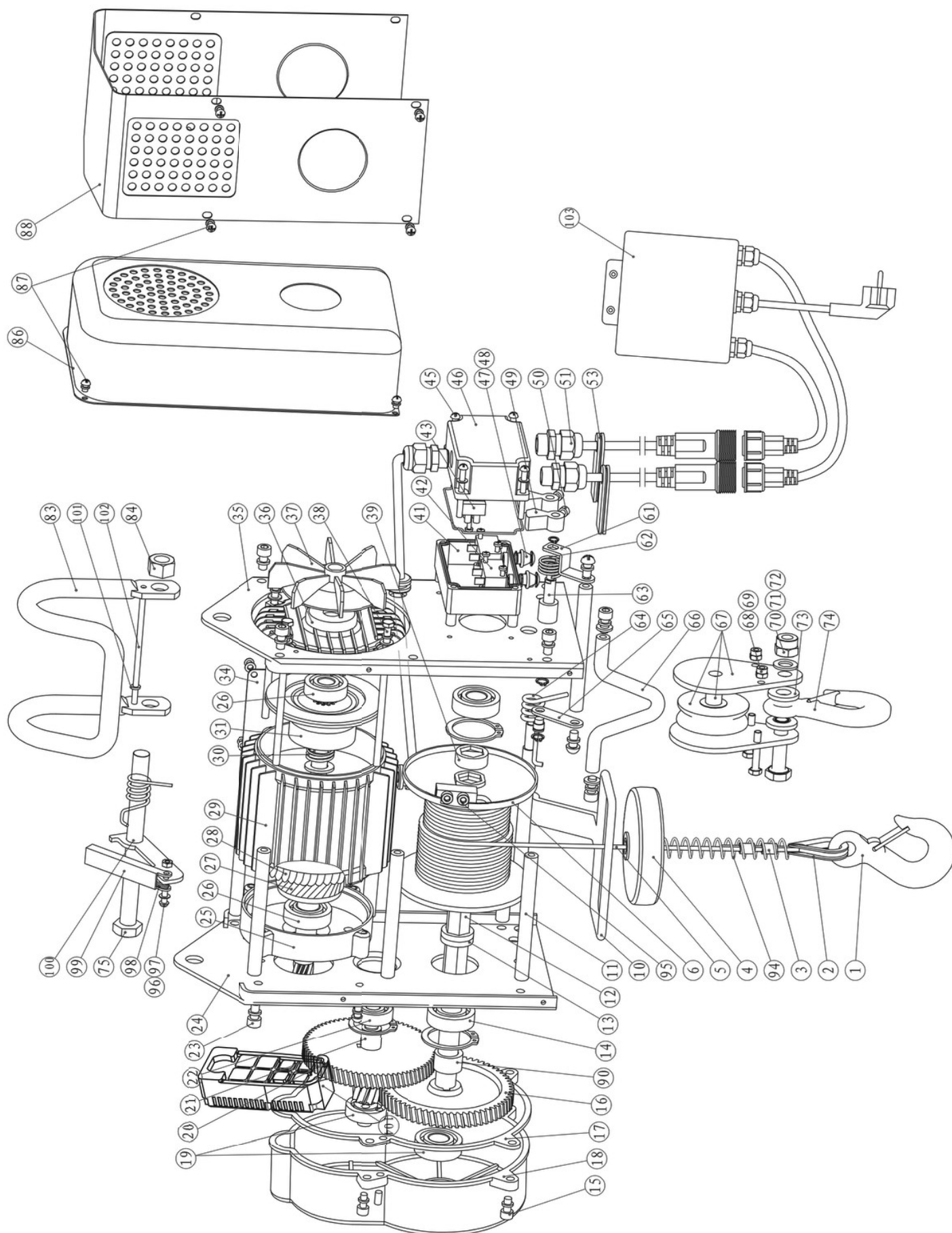
8. Circuit diagram



8A. Switch diagram



9. Parts



10. Part list

NO.	Code	Name	Qty	NO.	Code	Name	Qty
1 2	PMH0500W-1	Hook	1 1	47	PMH0500W-47	Moving Limit Contactor	2 2
3 4	PMH0500W-2	Wire Thimble	2 1	48	PMH0500W-48	Limit Shaft Seal	2 2
5 6	PMH0500W-3	Fastening Sleeve Of Rope	1 1	49	PMH0500W-49	Limit Head	3 2
10	PMH0500W-4	Limit Block	1 7	50	PMH0500W-50	Hollow- Head Setscrew (M4*6)	1 1
11	PMH0500W-5	Rope	1 2	51	PMH0500W-51	Gland (M16)	1 1
12	PMH0500W-6	Rope Tube	2 4	53	PMH0500W-53	Cable Retaining Ring	1 1
13	PMH0500W-10	Limit LeverAssy	1 1	61	PMH0500W-61	Right plate	1 2
14	PMH0500W-11	Anchor Post	1 2	62	PMH0500W-62	Torsional Spring	2 1
15	PMH0500W-12	Rope Drum Shaft	1 1	63	PMH0500W-63	Right Revolution Axis	1 1
16	PMH0500W-13	Rope Washer	1	64	PMH0500W-64	Torsional Spring	2 1
17	PMH0500W-14	Bearing (6203-2ZN)	10	65	PMH0500W-65	Left-axis Component	1 1
18	PMH0500W-15	Hex Socket Screw (M6*20)	1 1	66	PMH0500W-66	Hanging Rod	1 1
19	PMH0500W-16	Grade 2 Gear	2 1	67	PMH0500W-67	Assembly Pulley	12
20	PMH0500W-17	Spacer	1 1	68	PMH0500W-68	Hex Head Bolts(M5*30)	1 1
21	PMH0500W-18	GearBox	1 1	69	PMH0500W-69	Hex Nut (M5)	1 2
22	PMH0500W-19	Bearing (6201-2RS)	1 1	70	PMH0500W-70	Hex Head Bolts(M10*39)	1 1
23	PMH0500W-20	Grade 1 Gear	1 1	71	PMH0500W-71	Hex Nut (M10)	1 1
24	PMH0500W-21	Intermediate Shaft	4 1	72	PMH0500W-72	Plain Washer(d10)	1 1
25	PMH0500W-22	Bearing (6201-2ZN)	1 2	73	PMH0500W-73	Washer	1 1
26	PMH0500W-23	Hex Socket Screw (M6*12)	1 4	74	PMH0500W-74	Hook	1
27	PMH0500W-24	Left Bracket	1	75	PMH0500W-75	Hex Head Bolts(M12*170)	
28	PMH0500W-25	Front Cover		83	PMH0500W-83	Hanger Rod Hook	
29	PMH0500W-26	Bearing (6202-2RS)		84	PMH0500W-84	Hex Nut (M12)	
30	PMH0500W-27	Rotor		86	PMH0500W-86	MotorCover	
31	PMH0500W-28	Stator		87	PMH0500W-87	Cruciform Slot Screw (M4*6)	
34	PMH0500W-29	Chassis		88	PMH0500W-88	Outer Casing Housing	
35	PMH0500W-30	Spring		90	PMH0500W-90	Spacer Bush	
36	PMH0500W-31	Brake Hoop		94	PMH0500W-94	Buffer Spring	
37	PMH0500W-34	Chassis Cover		95	PMH0500W-95	Hex Socket Screw (M6*14)	
38	PMH0500W-35	Right Bracket		96	PMH0500W-96	Cruciform Slot Screw (M4*20)	
39	PMH0500W-36	Gear Cover		97	PMH0500W-97	Hex Nut (M4)	
41	PMH0500W-37	Fan Blade		98	PMH0500W-98	Torsional Spring	
42	PMH0500W-38	Hex Head Bolts (M5*167)		99	PMH0500W-99	Safety Clip	
43	PMH0500W-39	Rope Washer		100	PMH0500W-100	Safety Plate	
45	PMH0500W-41	Connection Box		101	PMH0500W-101	Split Washer(d5)	
46	PMH0500W-42	Limit Switch		102	PMH0500W-102	Lagging	
	PMH0500W-43	Terminal Block		103	PMH0500W-103	Radio receiver	
	PMH0500W-44	Cruciform Slot Screw (M4*40)		104	PMH0500W-104	Radio sender	
	PMH0500W-46	Connection BoxCover					

8.2 EG-verklaring

***EG-verklaring van overeenstemming - Declaration of conformity –
Konformitätsverklärung - Declaration de conformite - Dichiarazione di
conformita- Declaracion de conformidad***

Wij, We,Wir,Nous,**Valkenpower BV, Haverkamp 11, 6051 AC Maasbracht, Nederland**, verklaren geheel onder eigen verantwoordelijkheid dat de producten, declare under our sole responsibility that the products, erklären in voller eigener Verantwortung, dass die Produkte, déclarons sous notre entière responsabilité que les produits

Type	Beschrijving	Merk
Model	Description	Brand
Art	Beschreibung	Marke
Tipe	Description	Marque
MH0500W	Elektrische takel	Torso
MH0500W	Electric hoist	Torso

Waarop deze verklaring betrekking heeft, in overeenstemming zijn met de volgende normen:To which this declaration relates, are in conformity with the following standards:Auf die sich diese Erklärung bezieht, den folgenden Normen entsprechen:Auxquels la présente déclaration se rapporte, sont conformes aux normes suivantes

De machinerichtlijn: Following the provisions of Directive: Gemäß den Bestimmungen der Richtlinie:
Conformément aux dispositions de la Directive:
2006/42/EG

De norm, The standard, Die Norm, La norme:
NEN-EN 14492-2:2019

Serienummer:
Serial number:

Directeur Valkenpower



B.A.H Valkenburg

Nederland, Maasbracht, 28-10-2025