印刷制作说明（非印刷页）

叶子类目	电动环链葫芦
厂家型号	BLH10
子 SKU	GDSDDHLHLJCK2RMWO001V1
厂家型号	BLH10
子 SKU	GDSDDHLHLJCKME748001V1
厂家型号	BLH10
子 SKU	GDSDDHLHLJCKWGHBE001V1
厂家型号	BLH10
子 SKU	GDSDDHLHLJCK2RMWO001V2
厂家型号	BLH10
子 SKU	GDSDDHLHLJCKME748001V2
厂家型号	BLH10
子 SKU	GDSDDHLHLJCKWGHBE001V2

技术要求:

1.内容正确，图文清晰，位置准确：

2.成品不准有破损、裂纹污迹等影响美观缺陷；

3.具体页数、尺寸、内容、字体、字号、按设计图纸；

4.A5 版面双面黑白印刷，80g 以上铜版纸或者双胶纸。

5.装订方式骑马订/折页或者胶装，。

6.打样确认后方可批量印制。

VEVOR

Upgrade · The Home Creator Way

Electric Chain Hoists

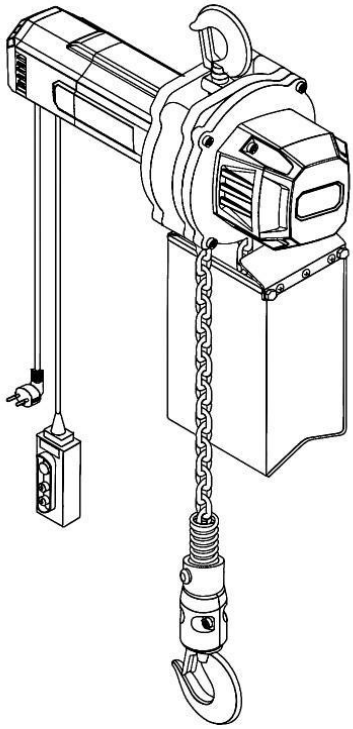
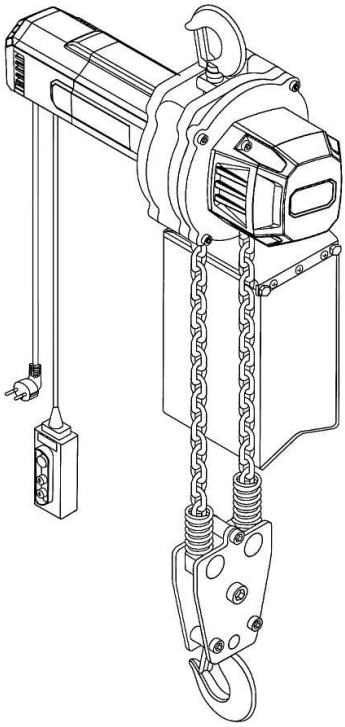
Model: BLH10

VEVOR Support Center

1	BLH10 (US) (wired and wireless)		2	BLH10 (US, wired, single-chain)	
3	BLH10 (US, wired, double-chain)		4	BLH10 (EU, wired and wireless)	
5	BLH10 (EU, wired, single-chain)		6	BLH10 (EU, wired, double-chain)	

VEVOR
Upgrade·The Home Creator Way

Electric Chain Hoists

Model:BLH10（Single-chain）	Model:BLH10（Double-chain）
	

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

IMPORTANT SAFEGUARDS

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This symbol, placed before a safety comment, indicates a kind of precaution, warning, or danger. Ignoring this warning may lead to an accident. To reduce the risk of injury, fire, or electrocution, please always follow the recommendations shown below.
	Warning- Be sure to wear gloves when using this product.
	Wear head protection
	CORRECT DISPOSAL This product is subject to the provision of european Directive 2012/19/EU. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to acollection point for recycling electrical and electronic devices.

1. TECHNICAL INFORMATION

1.1 Specifications

Model: BLH10
SKU3 Rating：Single-phase 120V～ ， 60Hz ，1800W
SKU17 Rating Single-phase 230V~,50/60Hz ， 1650W

Rating Lifting Capacity：2200LBS(1000kg)
Chain Diameter：6.3mm
Chain Fall : double-chain
Lifting Height：10Ft（3m）
Lifting Speed：13.2Ft/Min(4m/Min) or 6.6Ft/Min(2m/Min)
Control Unit：wired and wireless

Model: BLH10
SKU5 Rating：120V～ ， 60Hz ，2500W
Lifting Speed：29FT/MIN(9M/Min)

SKU19 Rating：230V~,50/60Hz ，2400W
Lifting Speed：24.6FT/MIN(7.5M/Min)

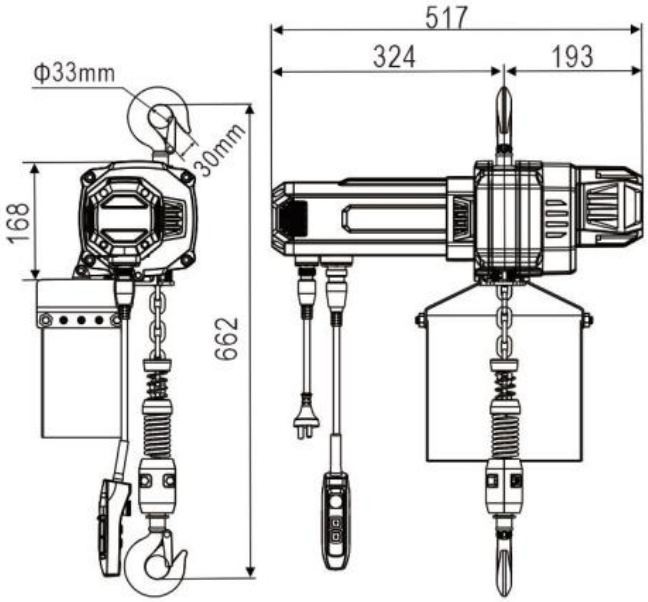
Rating Lifting Capacity：2200LBS(1000kg)
Chain Diameter：7.1mm
Chain Fall : single-chain
Lifting Height：10Ft（3m）
Control Unit：wired

Model: BLH10
SKU7 Rating：120V～ ， 60Hz ，1800W
SKU21 Rating：230V~,50/60Hz ，1600W

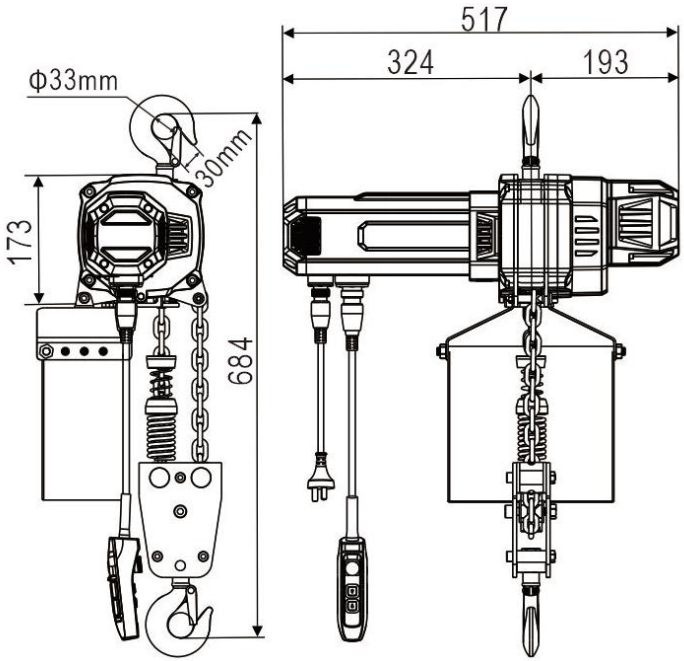
Rating Lifting Capacity：2200LBS(1000kg)
Chain Diameter：6.3mm
Chain Fall :double-chain
Lifting Height：20Ft（6m）
Lifting Speed：13.2Ft/Min(4m/Min) or 6.6Ft/Min(2m/Min)
Control Unit：wired

1.2 Dimensions

Chain Fall :single-chain



Chain Fall :double-chain



2.PRE-OPERATIONAL PROCEDURES

2.1 Chain

Chain components include the buffering spring and chain stop assemblies. Never operate the hoist with incorrect, missing or damaged chain components.

2.2 Load Chain Lubrication

- Always lubricate load chain weekly, or more frequently, depending on the severity of service.
- Always make sure to apply ISO VG 46 or 48 or equivalent machine oil. Insufficient oil lubrication will accelerate Load Chain wear.

2.3 Mounting Hoist

Ensure that the suspension and the supporting structure are adequate to support the hoist and its loads. Hook Mounted to a Fixed Location: Attach the hoist's top hook to the fixed suspension point. If necessary consult a professional who is qualified to evaluate the adequacy of the suspension location and its supporting structure.

2.4 Electrical Connections

- Ensure that the voltage of the electric power supply is proper for the hoist.
- Before proceeding, ensure that the electrical supply for the hoist or trolley has been de-energized (disconnected).

2.5 Installation Checks and Trial Operation

- Confirm the adequacy of the rated capacity for all slings, chains, wire ropes and all other lifting attachments before use. Inspect all load suspension members for damage prior to use and replace or repair all damaged parts.
- Ensure that the hoist is properly installed to either a fixed point, or trolley, whichever applies
- If hoist is installed on a trolley, ensure that: Trolley is properly installed on the beam, and stops for the trolley are correctly
- Ensure that all nuts, bolts and split pins (cotter pins) are sufficiently fastened.
- Check supply voltage before every use. If the voltage varies more than 10% of the rated value, electrical devices may not function normally.
- Before operating read and become familiar with Section 3 - Operation.
- Before operating ensure that the hoist (and trolley) meets the Inspection, Testing and Maintenance requirements
- Before operating ensure that nothing will interfere with the full range of the hoist.

2.6 Environmental Precautions

The following environmental conditions may result in the possible causes of electric chain hoist trouble.

- Low temperature below -10° high temperature above 40°or humidity above 90% conditions.
- In an organic chemistry or explosive power conditions.
- In heavy acid or salty conditions.
- In the rain or snow condition.
- In a heavy general powder conditions.

3.OPERATING INSTRUCTION

3.1Instruction

- Hoist operators shall be required to read the operation section of this manual.
- Operator should also be trained in proper rigging procedures for the attachment of loads to the hoist hook.
- Hoist operators should trained to be aware of potential malfunctions of the equipment that require adjustment or repair and to be instructed to stop operation if such malfunctions occur. and to immediately advise their supervisor so corrective action can be taken.
- Hoist operators should have normal depth perception, field of vision, reaction time, manual dexterity, and coordination.

3.2 Handling Precautions

- DO NOT lift more than rated load for the hoist.
- DO NOT work, walk or stand under an operating chain hoist
- DO NOT use the hoist to lift, support, or transport people.
- DO NOT lift loads over people.
- DO NOT attempt to lengthen the load chain or repair damaged load chain.
- DO NOT operate unless load is centered under hoist.
- DO NOT use hoist with twisted, kinked, damaged, or worn chain.
- DO NOT use the hoist in such a way that could result in shock or impact loads sheave.
- DO NOT use load chain as a sling or wrap load chain around load.
- DO NOT apply the load to the tip of the hook or to the hook latch.
- DO NOT allow the chain, or hook to be used as an electrical or welding ground.
- DO NOT operate beyond the limits of the load chain travel.
- Be familiar with operating controls, procedures.
- Make sure the unit is securely attached to a suitable support before applying load.
- Take up slack carefully and make sure load is balanced.
- Make sure all persons stay clear of the supported load.
- Protect the hoist’s load chain from weld splatter or other damaging contaminants.
- Always look up when working around chain hoist, there is potential danger overhead.
- Warn personnel before lifting or moving a load.
- Warn personnel of an approaching load.

4. MAINTENANCE AND REPLACEMENT

4.1 Lubrication

Load chain

- To extend the service life, the load chain must be regularly lubricated.
- Always clean the chain with an acid-free cleaning solution before lubrication.
- Lubricate the chain at intervals of every three months under normal operating conditions.

4.2 Outdoor Installation

- The storage location should be clean and dry.
- For hoist installations that are outdoors, the hoist should be covered when not in use.
- Possible of corrosion on components of the hoist increases for installations where salt air and

4.3 Mechanical Friction Clutch Assembly

If abnormal operation slippage occurs. DO NOT attempt to disassemble or adjust the friction clutch assembly. Replace the worn or malfunctioning mechanical brake with ratchet brake as an assembly with a new one with a adjusted part.

4.4 Electric Limit Switch

An electric hoist limit switch is a critical safety device that automatically cuts power to the motor and stops the hoist's movement when it reaches a predetermined maximum or minimum position, preventing over-travel and potential accidents.

All electric chain hoists are equipped with a low voltage control and limit switches for lifting and lowering (top and bottom limits)

These limit switches are operated by the limit lever assembly. It can be activated either by the hook (top limit) or lift limiter (bottom limit). The limit lever assembly is pressing the limit switches inside the chain hoist.

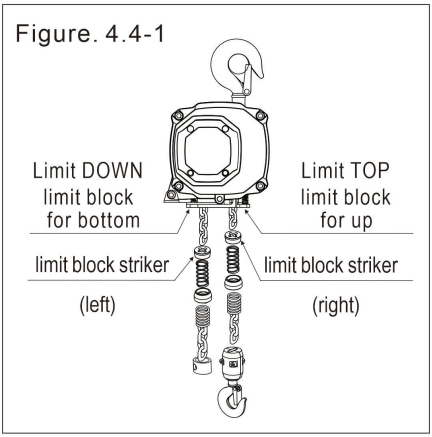
●Upper Limit Operation

During lifting, when the hoist reaches the upper limit position, the right spring cover contacts the limit plate on the right side. This action engages the upper limit switch inside the chain hoist, which immediately stops the lifting motion. The hoist retains full functionality for lowering operations.

●Lowering Limit Operation

During lifting, when the hoist reaches the bottom of limit block assembly, the limit block striker (left)contacts the limit block assembly. This action is pressing the limit switch inside chain hoist. The limit switch cuts

Figure. 4.4-1



4.5 Chain Inspection

Inspect chain before each use. Between regular inspections, check visually daily for nicks, gouges, weld splatter, corrosion, or distorted links. Inspect chain thoroughly if it does not feed smoothly over load sheaves. Inspect as follows.

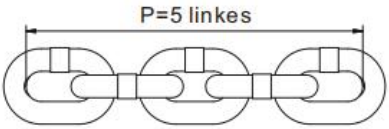
• Clean chain before inspection.

• Test hoist with load and observe operation of chain over load sheaves.

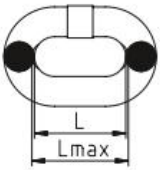
• Slacken chain and inspect contact points for excessive wear.

Use the following chart to determine when the chain must be replaced. Replacement of the entire chain is necessary if any of the previous page problems are found or the maximum dimensions on the charts that follow are reached. Ref to Table 4.5-1

Table 4.5-1 Chain Wear Dimensions

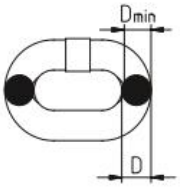


Model	Chain Size	Normal Length		Discard Length	
	mm	mm	in.	mm	in.
BLH2.5,BLH5,BLH10	6.3X19	95	3.74	97.4	3.83



Load Chain - One Link Length

Dia.	Standard L		Max L	
	mm	(in)	mm	(in)
6.3 mm	19	0.75	19.9	0.78



Load Chain - Diameter

Dia.	Standard D		Max D	
	mm	(in)	mm	(in)
6.3 mm	6.3	0.25	5.7	0.22

4.6 Replacing Load Chain

Over time, the load chain will wear or elongate. This can cause damage to hoist, breakage, or nonengagement of the load sheave. The following procedures describe replacing the load chain for single and Dual fall hoists.

These procedures should be performed by qualified persons only.

Making a C-Link

Replacing load chain will require the use of a C-link (in some cases, two C-links), which you can easily make as follows:

1. Cut a link from the old chain.
2. Cut the weld from the link leaving an opening approximately 1.25 times the diameter of the link material. See Figure 4.6-1
3. Grind the cut areas smooth and remove all burrs.

Single fall, Dual fall Chain Hoist

1. The link on the load side end must be a vertical link. If it is a horizontal link, the chain will have a twist in it. See Figure 4.6-2
2. The new load chain must have an odd number of links so that both its end links
3. Lower the load hook until only 1 to 2 feet of slack chain remains in the chain container.
4. Remove chain container.
5. On the slack side of the chain, remove the chain stop, spring, and limit block assembly. Keep these handy for later re-installing.
6. Using a C-link(s), connect the new chain to the old chain. If the end link of the old chain is horizontal, use two C-links. If the end link of the old chain is vertical, use one C-link. See Figure 4.6 -3. Using the correct number of C-links will properly orient the chain, and ensure that the first link on the load side end is vertical
7. Keep tension on both sides of the chain and lower the load hook to pull the new chain through the hoist. Do not let the chain twist or bind as it is being pulled through the hoist.
8. Stop hoisting when 1 to 2 feet of new chain remains on the slack side.
9. Install the limit block assembly, limit block striker, spring, and chain stop on the slack end of the chain.
10. Continue lowering the load hook until the new chain clears the load hook. Inspect condition of both spring and hook.
11. Lower bottom hook until the limit switch stops hoist movement. Inspect the chain for any signs of twist.
12. Install chain container, making sure to install the locking nut on the screw. Do not fill chain container by hand.

Fig.4.6-1

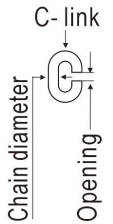


Fig.4.6-2

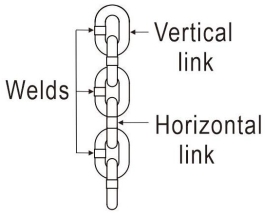
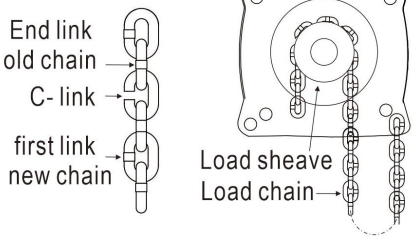


Fig.4.6-3



5. INSPECTION AND MAINTENANCE CHECK LIST

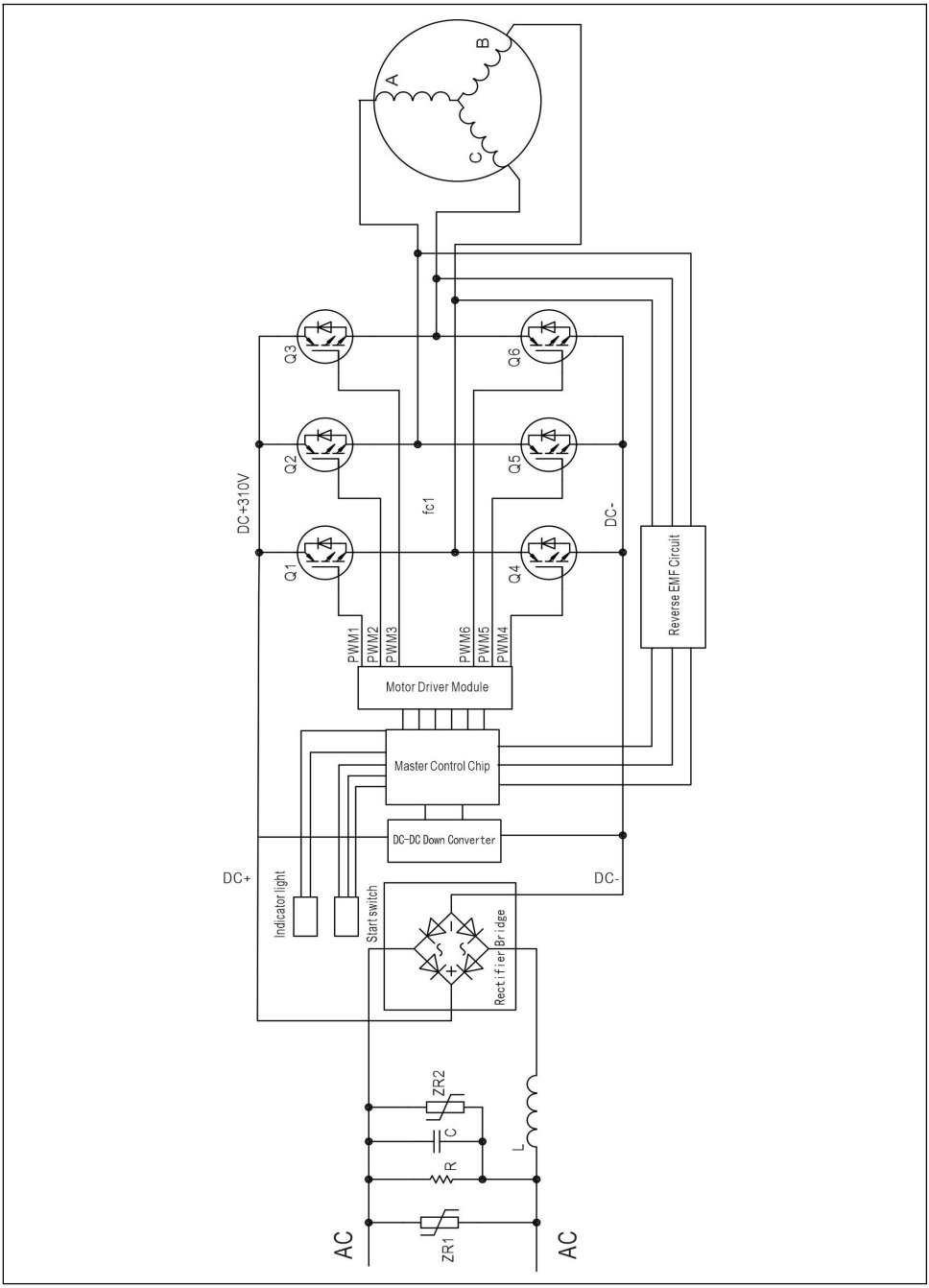
Item	Possible Deficiencies	Check		
		Daily	Monthly	Yearly
Operating Controls	Any deficiency causing improper operation	●	●	●
Limit Switches	Any deficiency causing improper operation	●	●	●
Brake Mechanism	1.Slippage or excessive drift 2.Glazing, contamination or excessive wear	●	●	●
Chain	Inadequate lubrication, excessive wear or stretch, cracked, damaged or twisted links, corrosion or foreign substance		●	
Hooks	Excessive throat opening 15% bent or twisted more than 10 degrees, damaged hook safety latch, wear, chemical damaged, worn hook bearing.		●	
Chain Container	Cracks, excessive wear or other damage which may impair the strength		●	
Pins, Bearings, Bushings	Excessive wear, corrosion, cracks, distortion			●
Sheaves	Distortion, cracks, and excessive wear Build-up of foreign substances			●
Nuts, Bolts, Screws	Looseness, stripped and damaged threads, corrosion			●
Wiring and Terminals	Fraying, defective insulation			●
Lifting Motor Reversing Contactor, and other Electrical Apparatus	Loose connections, burned or pitted contacts		●	
Universal check	1.All screws, hold down, chain guide, chain fall safety devices 2.Electric cable, power cable and pendant control		●	
Nameplates, Warning Labels	Missing, damaged or illegible		●	

6. TROUBLESHOOTING

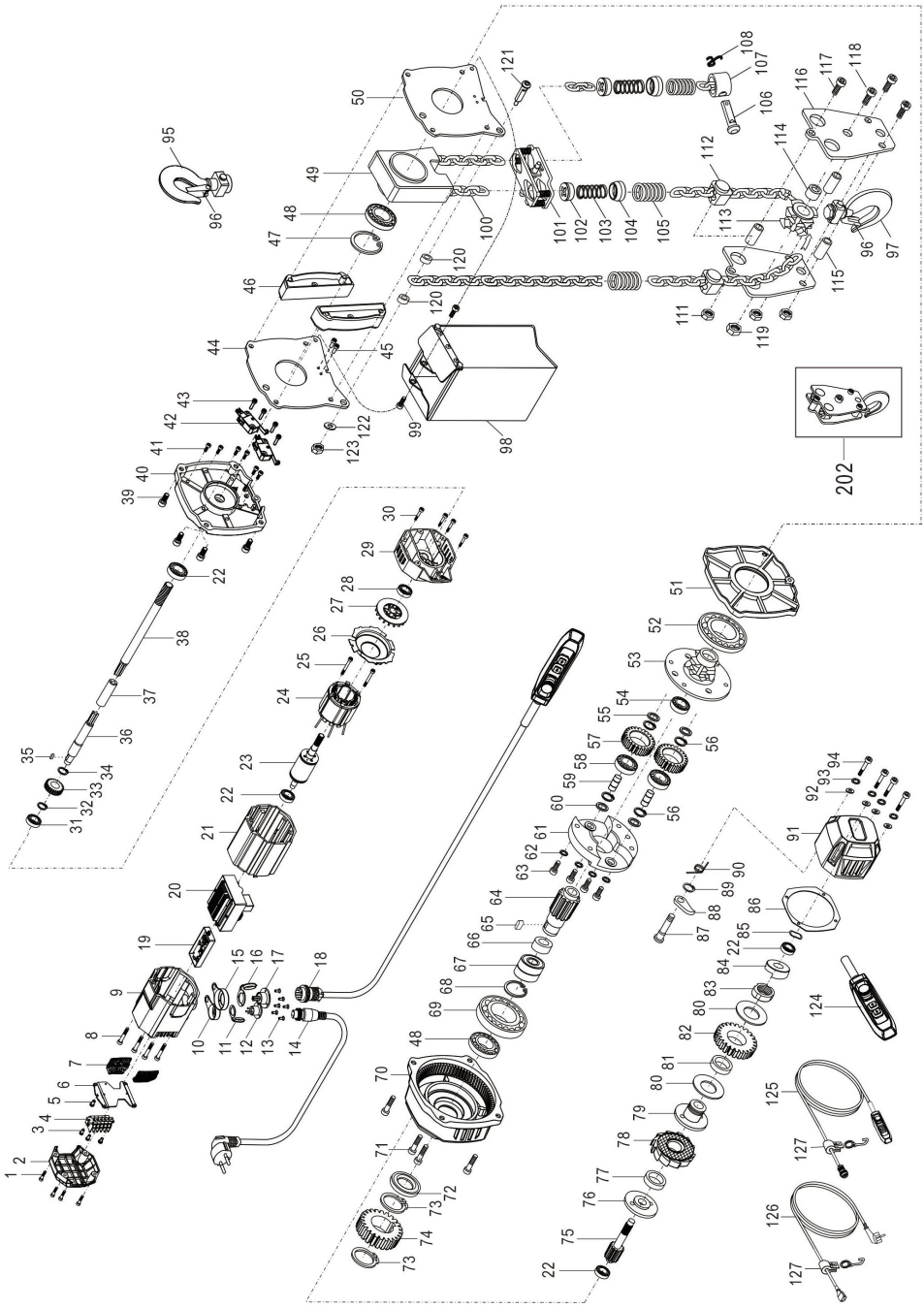
Symptom	Cause	Remedy
Hoist will not operate	Loss of power	Check power cable connections
	Hoist overloaded	Reduce load to tithing rated capacity of hoist
	Motor burned out	Replace motor-rotor, stator, and any other damaged parts
Hoist lifts but will not lower	DOWN-circuit open	Check circuit for loose connections. Check down side of limit switch for malfunction.
	Broken conductor in pendant cord	Check continuity for each conductor in the cable. If one is broken, replace entire cable.
	Faulty contactors	Check coils for open or short circuit. Check all connections on motor circuit. Check for burned contacts. Replace as needed.
	Faulty switch in pendant	Check electrical continuity. Check electrical connections. Replace or repair as needed.
	Chain jammed	Check if chain can move smoothly into the chain container. Check for chain knots and remove if any. Replace chain and chain guide parts if damage is visible.
Hoist lowers but will not lift	Hoist overloaded	Reduce load to within rated capacity of hoist.
	Undervoltage in hoist's power supply	Determine cause of undervoltage and bring to within plus or minus 10% of the voltage specified on the motor nameplate. The voltage should be measured at the hoist input terminals.
	UP-circuit open	Check circuit for loose connections. Checkup side of limit switch for malfunction.
	Broken conductor in pendant cord	Check the continuity of each conductor in the cable. If one is broken, replace entire cable.
	Faulty contactor	Check coils for open or short circuit. Check all connections on motor circuit. Check for burned contacts. Replace as needed.

Hoist will not lift rated load or does not have the proper lifting speed	Hoist overloaded	Reduce load with rated capacity.
	Undervoltage in hoist's power supply	Determine cause of undervoltage and bring to within plus or minus 10% of voltage specified on the motor nameplate. The voltage should be measured at the hoist input terminals.
	Faulty friction clutch	Check clutch setting or replace.
	Chain jammed	Check if chain can move smoothly into the chain container. Check for chain knots and remove if any. Replace chain and chain guide parts if damage is visible.
Hoistoperates intermittently	Contactor contacts arcing	Check for burned contacts. Replace if necessary.
	Loose connection in circuit	Check all wires and terminals for bad connections. Replace if necessary.
	Broken conductor in control pendant	Check for intermittent continuity in each conductor of the control pendant. Replace entire control pendant if continuity is not constant.

7.WIRING DIAGRAM



10.PART DRAWING (BLH10)



No.	Part Name	No.	Part Name	No.	Part Name
1	Socket Bolt	44	Gear Left Plate	87	Pawl Pin
2	Electric Component Cover	45	Socket Bolt	88	Pawl
3	Screw	46	Supporting Spacer	89	Retaining Ring
4	Terminal Block	47	Retaining Ring	90	Pawl Spring
5	Screw	48	Ball Bearing	91	Brake Case
6	Terminal Block Board	49	Chain Guide House	92	Plain Washer
7	Motor Grille	50	Gear Right Plate	93	Spring Washer
8	Socket Bolt	51	Gear Right Cover	94	Socket Bolt
9	Electric Component Case	52	Ball Bearing	95	Top Hook
10	Power Cable Support	53	Load Sheave	96	Safety Latch Assembly
11	Power Socket Cap	54	Ball Bearing	97	Bottom Hook
12	Power Socket	55	Plain Washer	98	Chain Container
13	Screw	56	Retaining Ring	99	Socket Bolt
14	Power Connector	57	3rd Gear	100	Load Chain
15	Pendant Support	58	Ball Bearing	101	Limit Block Assembly
16	Pendant Socket Cap	59	Gear Shaft	102	Limit Block Striker
17	Pendant Socket	60	Plain Washer	103	Chain Spring
18	Pendant Connector	61	Gear Mounting Flange	104	Chain Spring Holder
19	Pendant Operating Controller	62	Spring Washer	105	Buffering Spring
20	Motor Driver Controller	63	Socket Bolt	106	Stopper Pin
21	Motor Box	64	3rd Gear Pinion	107	Chain Stopper
22	Ball Bearing	65	Key	108	Cotter Pin
23	Rotor	66	Oil Seal	109	Bottom Hook Housing
24	Stat or	67	Ball Bearing	110	Socket Bolt
25	Socket Bolt	68	Retaining Ring	111	Lock Nut
26	Air Guiding Cover	69	Ball Bearing	112	Chain Guide
27	Fan	70	Gear Box	113	Load Sheave
28	Ball Bearing	71	Socket Bolt	114	Needle Bearing
29	Left Gear Box	72	Oil Seal	115	Bottom Hook spacer

30	Socket Bolt	73	Retaining Ring	116	Bottom Hook Frame
31	Ball Bearing	74	2nd Gear	117	Socket Bolt
32	Retaining Ring	75	2nd Gear Pinion	118	Socket Bolt
33	1st Gear	76	Brake Hub	119	Lock nut
34	Retaining Ring	77	Copper Bushing	120	Bottom Hook Spacer
35	Key	78	Ratchet Brake set	121	Chain Connecting Bolt
36	1st Pinion A	79	Torque Gear Flange	122	Washer
37	Spline Housing	80	Press Spring Disc	123	Lock nut
38	1st Pinion B	81	Copper Bushing	124	Pendant Control
39	Socket Bolt	82	Torque Gear	125	Pendant Control set
40	Gear Left Cover	83	Torque Limited Nut	126	Power Cord set
41	Socket Bolt	84	Anti-receding Bushing	127	Cord Hanger
42	Limit Switch	85	Washer	202	Bottom Hook Assembly
43	Socket Bolt	86	Gasket		

FCC Information（Remote Control FCC ID:2BGSV-F21）:

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment!

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This product may cause harmful interference.

2)This product must accept any interference received, including interference that may cause undesired operation.

WARNING: Changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the product.

Note: This product has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This product generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, it may cause harmful interference in radiocommunications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

· Reorient or relocate the receiving antenna.

· Increase the distance between the product and the receiver.

· Connect the product to an outlet on a circuit different from that to which the receiver is connected.

· Consult the dealer or an experienced radio/TV technician for assistance.