

INSTRUCTIONS MANUAL

Electric winch

SW1000



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

GENERAL

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FOREWORD

Congratulations on the purchase of your new electric winch. The SW1000 has been manufactured from high quality materials, specifically designed for durable and reliable use. For your own safety and to ensure correct operation of the winch, be sure to read and follow these operating instructions before using it.

Keep these operating instructions. Check the SW1000 for transport damage. Damaged winches must not be put into use.

The wire cable hoist is used to lift and transport loads of up to 2204.62 lbs. Improper handling may result in injury or damage to the unit. The liability for damage resulting from improper use of the device or failure to observe the specifications and rules of conduct contained in this operating manual is excluded. The operator / user must ensure the correct use of the SW1000 by trained and authorized personnel.

SAFETY WARNINGS

- The electric winch may only be operated by trained personnel who have read and understood these operating instructions.
- Observe the attached safety instructions. Do not remove them.
- Check the functionality of the cable winch before starting operation. Perform a visual inspection on all safety-relevant components.
- Check the electric winch for possible transport damage before using it for the first time.
- Wear protective clothing, such as helmet, safety shoes and protective gloves, while using the tool.
- The mandatory minimum safety distances to the rope and to the winch must be strictly adhered to.
- Observe your surroundings, as well as the load and the winch during use.
- Do not lift persons or animals with the winch.
- Do not overload the winch under any circumstances.
- Do not let loads fall into the rope.
- Avoid swinging out loads, when lifting vertically.
- Lift loads as vertically as possible from the ground.
- Do not leave lifted loads unattended.
- Lower loads in case of prolonged non-use.
- Do not guide the steel rope over edges. This can cause damage to the rope and the unit and poses a risk of injury.
- Carry out maintenance and servicing work on a regular basis. Before such maintenance, switch off the winch and disconnect it from the power circuit.
- Only fully functional winches may be put into operation. If a defect is detected on the cable winch, the cable winch may only be used after the defect has been rectified.
- Have the SW1000 inspected annually by an expert in order to be able to determine the further service life.
- Observe the specifications regarding country-specific regulations and the accident prevention regulations.
- Do not make any modifications or changes to the cable winch without the manufacturer's consent.
- It's not permitted to use the winch in maritime areas (danger of electric shock).
- Do not operate winch under influence of drugs or alcohol.
- Never allow children or anyone who is not familiar with the operation of the winch to use it.

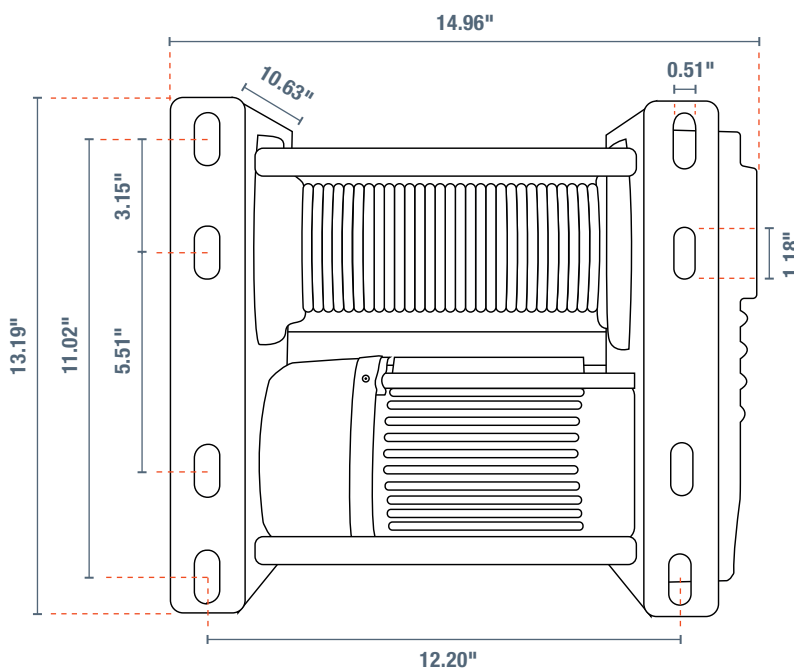
TECHNICAL DATA

GENERAL

| Type | Unit | Value |
|------------------------------|------|--------------|
| Width | " | 14.96 |
| Depth | " | 13.19 |
| Height | " | 10.63 |
| Dead weight | lbs | 88.18 |
| Chain diameter | " | 0.24 |
| Chain length | " | 1181.10 |
| Chain material | | Carbon steel |
| Housing material | | Steel |
| Cable length | " | 17.72 |
| Cable length to control unit | " | 36.61 |

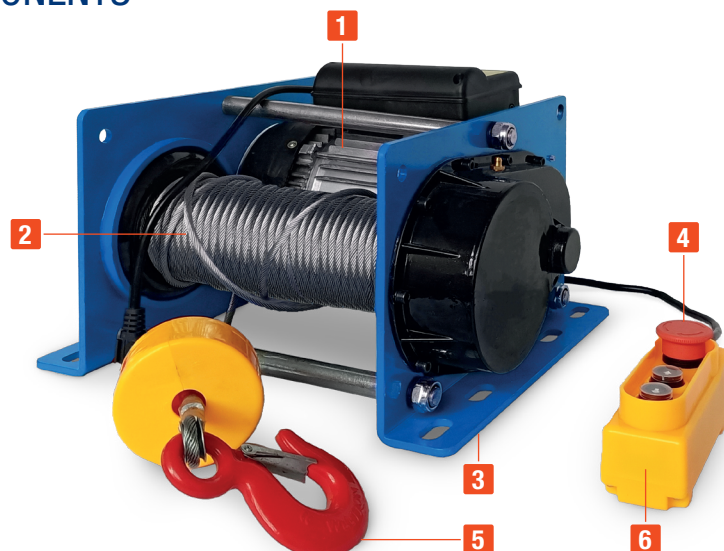
ENGINE

| Type | Unit | Value |
|------------------|-------|-------------------------|
| Max. load | lbs | 2204.62 |
| Motor speed | rpm | 2800 |
| Motor power | kW | 2.2 |
| Feeding speed | "/min | 472.44 |
| Protection class | | IP40 |
| Brake | | Magnetic particle brake |
| Power supply | V | 120 |



OVERVIEW OF THE MAIN COMPONENTS

| No. | Name |
|-----|--------------------------------|
| 1 | Winch motor |
| 2 | Carbon steel cable |
| 3 | Steel housing with screw holes |
| 4 | Emergency stop switch |
| 5 | Load hook |
| 6 | Control panel |



OPERATING INSTRUCTIONS



Keep an eye on the work area at all times to prevent possible hazardous situations.

1. Mount the cable winch on a suitable surface that can also support the load of 2204.62 lbs. For this purpose, use all screw holes (3) and screws that guarantee appropriate load absorption.
2. Carry out a functional test. For this purpose, extend and retract the rope completely.
3. Always place the load in the direction of the pulley. For lifting work, place the load vertically under the rope pulley.
4. Press the down arrow on the control panel (6) to unwind the rope winch.
5. Securely fasten the load hook (5) to the load. The safety clip must snap shut.
6. Move the load slowly by pressing the up arrow on the control (6). Correct the position to avoid swinging out and skewing.
7. When lifting the load, do not lift it completely until it stops swinging.
8. In emergency situations, press the emergency stop switch.



Always leave at least 5 wraps of steel cable on the winch to ensure tensile strength.

REGULAR INSPECTIONS

| Inspection | Before start of operation | Every 3 months | Annual |
|---|---------------------------|----------------|--------|
| Visual inspection of the load-bearing equipment | • | | |
| Functional test | • | | |
| Cable | • | | |
| Brake function (load test) | • | | |
| Lubricate moving parts | | • | |
| Check cable for wear | | • | |
| Fastening screws | | • | |
| Full wear test (by expert) | | | • |
| Check warning notices and type plate for legibility | | | • |

TROUBLE SHOOTING

| Problem | Cause | Solution |
|---|---|--|
| The engine does not start | The device is not connected to the power | Check the power supply and plug in the device |
| | The motor is damaged | Have the motor repaired. Contact customer service |
| The motor does not run correctly | The phases of the power connection are not connected properly | Have the power supply checked by an electrician |
| The brake fails after lifting a heavy object | There is oil on the brake | Clean the brake |
| | The wear of the brake is too high | Have the brake repaired or replaced |
| | Failure of the pressure spring | The pressure spring must be replaced |
| The gearbox makes untypical noises | The gear or bearing is defective | Check the gearbox. Have it repaired or replaced if necessary |
| | Gearbox is not oiled | Oil the gearbox |
| | The clutch is damaged | Check the clutch and have it repaired if necessary |
| | Screws are loose | Retighten the screws concerned |
| The winch housing is electrified | One phase is disconnected from the housing | Have the unit checked by an electrician |
| | The grounding is not connected or not connected properly | Have an electrician check the grounding |
| The motor temperature is too high | The unit is overloaded | Do not overload the winch |
| | There is too much dust on the heat sink | Clean the heat sink |
| | The distance between the brakes is too small | Adjust the distance between the brakes |
| The unit will not start after it has stopped halfway through the stroke | The supply voltage is too low | Wait until the supply voltage is sufficient again |

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.us/en-us/service

Responsible for the content:
 TOPREGAL US Corp.
 729 North Route 83, Suite 309
 Bensenville, IL 60106
 United States of America
www.topregal.us

EU Declaration of Conformity

The manufacturer

TOPREGAL US Corp.
729 North Route 83
Suite 309
60106 Bensenville, IL
USA

hereby declares that the following product

Product designation:
SolidHub
Electric winch

Type:
SW1000

Serial number:

SW1000-1000000000-SW1000-9999999999

complies with all relevant provisions of the applicable legal regulations (hereinafter) - including their amendments in force at the time of the declaration. The sole responsibility for issuing this declaration of conformity lies with the manufacturer. This declaration refers only to the machine in the condition in which it was placed on the market; parts and / or interventions subsequently fitted by the end user are not taken into account.

Conforms to the provisions of the following European directives:

2006/42/EC Machinery Directive

Conforms to the provisions of the following standards:

EN ISO 12100
EN 14492-1
EN ISO 17065

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

TOPREGAL US Corp.
729 North Route 83
Suite 309
60106 Bensenville, IL
USA



Place: Filderstadt
Date: 06-07-2022

Juergen Effner
Chief Executive Officer

SolidHub