

Longer Rope Compact Winch

Model: CWL-200L

PN: 372882 220V 372788 220V 372764 110V 375432 230V 373200 240V 371313 110V

Introduction

▶ Feature

Lifting capacity: 200 kg wire rope top layer

Lifting height: 69 m for 5 mm x 71 m rope / 98 m for 4 mm x 100 m rope

Lifting speed: 11 – 16 m/min

Motor output: 1.2kw x 12A at 110V; 1.5kw x 7.5A at 220-240V

Brake: Electromagnetic and mechanical ratchets

Control: Pendant switch powers the winch

▶ Unpacking

Winch assembly	1pc
Wire rope 5 mm x 71 m with hook	1pc
• Wire rope 4 mm x 100 m with hook for PN: 373200	1pc
• Power lead 1.5 mm² x 3C x 3 m and plug	1pc
• Power lead 2.0 mm² x 3C x 3.4 m and plug for PN : 372764	1pc
• Pendant switch CPB-313 w/cord 1.25 mm² x 6C x 10m	1pc

► Read this manual carefully

You should carefully read and understand this manual before operating it. Careless winch operation may result in personal injury hazards or property damage.

► Information requesting or parts ordering

Please specify the followings information:

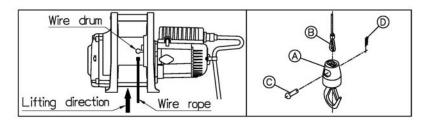
- · Winch PN
- · Serial number
- · Part description
- · Replacement part number
- · Quantity for each part

Installation

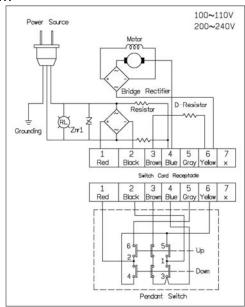
Before using the winch, make sure all electrical components have no corrosion or damaged; the environment should be clear and dry.

▶ Wire rope replacement

- Insert the wire rope into the hole of drum and fix it with a P. T. screw, then press the "UP" button of switch for rotate the drum in the lifting direction.
- Wind the wire rope accurately around the drum, and an irregular winding will cause the load to be swing, thus damaging the wire and reducing the life of the winch.
- · When replacing, please refer to the following procedures.
- *Pull out a R-dowel "D" from the round head pin "C".
- *Pull out a round head pin "C" from hook body "A".
- *Put a wire rope "B" into the hole of hook body "A", and insert a round head pin "C" through wire rope and fixture hole of hook body "A".
- *Insert an R-dower "D" into the hole of round head pin "C".



▶ Wiring Diagram



Warning

- The winch is not intended to be used in any manner for the movement or lifting of personnel.
- The lifting capacity shown is based on the top layer of rope on the drum.
- The rope winding on the drum shall remain 5 wraps from the drum.

Parts List

1 Gearbox rear cover kit 880546 1 2 Ratchet stopper kit 880547 2 3 2nd shaft 880548 1 4 3rd gear kit 880549 1 5 Brake kit 881516 1 6 Tie bar kit 880575 1 7 Tie bar kit A 880576 2 Wire rope 880577 1 Wire rope for PN: 373200 882387 1 9 Weight hook 880384 1 10 Gearbox support rack kit 880555 1 11 Output shaft kit 880556 1 12 Drum kit 881520 1 13 Motor coupling kit 881553 1 14 Motor support rack kit 880558 1 15 Torque shaft kit 880558 1 16 Motor housing kit 880556 1 17 Carbon brush holder kit 880472 1	Item No.	Description	Part No.	Qty
3 2nd shaft 880548 1 4 3rd gear kit 880549 1 5 Brake kit 881516 1 6 Tie bar kit 880575 1 7 Tie bar kit A 880575 1 8 Wire rope 880577 1 Wire rope for PN: 373200 882387 1 9 Weight hook 880384 1 10 Gearbox support rack kit 880555 1 11 Output shaft kit 880556 1 12 Drum kit 881520 1 13 Motor coupling kit 881553 1 14 Motor support rack kit 880558 1 15 Torque shaft kit 881517 1 16 Motor housing kit 880558 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1	1	Gearbox rear cover kit	880546	1
4 3rd gear kit 880549 1 5 Brake kit 881516 1 6 Tie bar kit 880575 1 7 Tie bar kit A 880576 2 8 Wire rope 880577 1 9 Weight hook 882387 1 10 Gearbox support rack kit 880555 1 11 Output shaft kit 880556 1 12 Drum kit 881520 1 13 Motor coupling kit 881553 1 14 Motor support rack kit 880558 1 15 Torque shaft kit 881517 1 16 Motor housing kit 880561 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 220-240V 880563 2 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 Armature core 240V 880977 1 2	2	Ratchet stopper kit	880547	2
5 Brake kit 881516 1 6 Tie bar kit 880575 1 7 Tie bar kit A 880576 2 8 Wire rope 880577 1 9 Weight hook 880384 1 10 Gearbox support rack kit 880555 1 11 Output shaft kit 880556 1 12 Drum kit 881520 1 13 Motor coupling kit 881553 1 14 Motor support rack kit 880558 1 15 Torque shaft kit 880558 1 14 Motor housing kit 881517 1 16 Motor housing kit 880561 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 19 Armature core 110V 880977 1 20 Cooling cover 880564 1	3	2 nd shaft	880548	1
6 Tie bar kit 880575 1 7 Tie bar kit A 880576 2 8 Wire rope 880577 1 9 Weight hook 882387 1 9 Weight hook 880384 1 10 Gearbox support rack kit 880555 1 11 Output shaft kit 880556 1 12 Drum kit 881520 1 13 Motor coupling kit 881553 1 14 Motor support rack kit 880558 1 15 Torque shaft kit 881557 1 16 Motor housing kit 881517 1 16 Motor housing kit 880561 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 19 Armature core 240V 880977 1 20 Cooling cover 880564 <td< td=""><td>4</td><td>3rd gear kit</td><td>880549</td><td>1</td></td<>	4	3 rd gear kit	880549	1
7 Tie bar kit A 880576 2 8 Wire rope 880577 1 9 Weight hook 880384 1 10 Gearbox support rack kit 880555 1 11 Output shaft kit 880556 1 12 Drum kit 881520 1 13 Motor coupling kit 881553 1 14 Motor support rack kit 880558 1 15 Torque shaft kit 881517 1 16 Motor housing kit 880561 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 120-240V 880563 2 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 19 Armature core 240V 880977 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 240V 880519 1	5	Brake kit	881516	1
8 Wire rope 880577 1 9 Weight hook 882387 1 10 Gearbox support rack kit 880384 1 10 Gearbox support rack kit 880555 1 11 Output shaft kit 880556 1 12 Drum kit 881520 1 13 Motor coupling kit 881553 1 14 Motor support rack kit 880558 1 15 Torque shaft kit 881517 1 16 Motor housing kit 880561 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 220-240V 880563 2 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 4 Armature core 240V 880972 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 240V 880519 <	6	Tie bar kit	880575	1
Wire rope for PN : 373200 882387 1	7	Tie bar kit A	880576	2
Wire rope for PN : 373200 882387 1	8	Wire rope	880577	1
10 Gearbox support rack kit 880555 1 11 Output shaft kit 880556 1 12 Drum kit 881520 1 13 Motor coupling kit 881553 1 14 Motor support rack kit 880558 1 15 Torque shaft kit 881517 1 16 Motor housing kit 880561 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 220~240V 880563 2 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 19 Armature core 240V 880972 1 Armature core 240V 880977 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1		Wire rope for PN: 373200	882387	1
11 Output shaft kit 880556 1 12 Drum kit 881520 1 13 Motor coupling kit 881553 1 14 Motor support rack kit 880558 1 15 Torque shaft kit 881517 1 16 Motor housing kit 880561 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 220~240V 880563 2 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 19 Armature core 220V/230V 880972 1 Armature core 240V 880977 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 24 Control panel w/lead & 3 round pins 220V~240V 881232 1 <td>9</td> <td>Weight hook</td> <td>880384</td> <td>1</td>	9	Weight hook	880384	1
12 Drum kit 881520 1 13 Motor coupling kit 881553 1 14 Motor support rack kit 880558 1 15 Torque shaft kit 881517 1 16 Motor housing kit 880561 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 220~240V 880563 2 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 4 Armature core 110V 880972 1 Armature core 240V 880977 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins 110V 881231 1 25 Lower plate 880567 1 26 Remot	10	Gearbox support rack kit	880555	1
13 Motor coupling kit 881553 1 14 Motor support rack kit 880558 1 15 Torque shaft kit 881517 1 16 Motor housing kit 880561 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 220~240V 880563 2 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 Armature core 240V 880972 1 Armature core 240V 880977 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 3 round pins 110V 882063 1 Control panel w/lead & 3 round pins 110V 881231 1	11	Output shaft kit	880556	1
14 Motor support rack kit 880558 1 15 Torque shaft kit 881517 1 16 Motor housing kit 880561 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 220~240V 880563 2 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 Armature core 110V 880972 1 Armature core 240V 880977 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 24 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 3 round pins 110V 882063 1 Control panel w/lead & 3 round pins 110V 881231 1 25 Lower plate 880567 1 <	12	Drum kit	881520	1
15	13	Motor coupling kit	881553	1
16 Motor housing kit 880561 1 17 Carbon brush holder kit 880472 1 18 Carbon brush 220~240V 880563 2 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 19 Armature core 110V 880972 1 Armature core 240V 880977 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1	14	Motor support rack kit	880558	1
17 Carbon brush holder kit 880472 1 18 Carbon brush 220~240V 880563 2 Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 19 Armature core 110V 880972 1 Armature core 240V 880977 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1	15	Torque shaft kit	881517	1
Carbon brush 220~240V 880563 2	16	Motor housing kit	880561	1
Carbon brush 110V 880473 2 Armature core 220V/230V 880976 1 19 Armature core 110V 880972 1 Armature core 240V 880977 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins 110V 881231 1 Control panel w/lead & 3 round pins 110V 881231 1 Control panel w/lead & 3 round pins 110V 881231 1 Control panel w/lead & 3 round pins 110V 881231 1 Control panel w/lead & 3 round pins 110V 880567 1	17	Carbon brush holder kit	880472	1
Carbon brush 110V 880473 2	10	Carbon brush 220~240V	880563	2
19 Armature core 110V 880972 1 Armature core 240V 880977 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1	10	Carbon brush 110V	880473	2
Armature core 240V 880977 1 20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins 110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1		Armature core 220V/230V	880976	1
20 Cooling cover 880564 1 Armature winding 220V/230V 880518 1 21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1	19	Armature core 110V	880972	1
Armature winding 220V/230V 880518 1 21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins 110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1		Armature core 240V	880977	1
21 Armature winding 110V 880512 1 Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1	20	Cooling cover	880564	1
Armature winding 240V 880519 1 22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins 110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1	21	Armature winding 220V/230V	880518	1
22 Motor rear cover kit 880566 1 23 Terminal upper cover 880535 1 24 Control panel w/lead w/le		Armature winding 110V	880512	1
23 Terminal upper cover 880535 1 Control panel w/lead & 3 round pins 220V~240V 881232 1 24 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1		Armature winding 240V	880519	1
Control panel w/lead & 3 round pins 220V~240V 881232 1 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1	22	Motor rear cover kit	880566	1
24 Control panel w/lead & 2 flat pins 110V 882063 1 Control panel w/lead & 3 round pins110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1	23	Terminal upper cover	880535	1
Control panel w/lead & 3 round pins110V 881231 1 25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1	24	Control panel w/lead & 3 round pins 220V~240V	881232	1
25 Lower plate 880567 1 26 Remote control, CPB-313 880486 1		Control panel w/lead & 2 flat pins 110V	882063	1
26 Remote control, CPB-313 880486 1		Control panel w/lead & 3 round pins110V	881231	1
·	25	Lower plate	880567	1
27 P type hanger kit 881574 1	26	Remote control, CPB-313	880486	1
	27	P type hanger kit	881574	1

Winch Assembly

