

PN : 441110 110V 441120 110V 441220 220V  
441225 220V 441931 220V 441150 110V  
441250 240V

## Introduction

### ► Feature

Lifting capacity: 1,000 kg  
Lifting height: 3 m  
4 m for PN 441931  
Line speed: 3.2 m/min  
Motor output: 750w x 9.5A at 100-120V ; 750w x 4.5A at 200-240V  
Brake: Dual brakes of double mechanical ratchet pawls and a motor dynamic brake  
Control: Pendant switch powers the hoist

### ► Unpacking

- Hoist assembly 1pc
- Load chain 6.3 mm x 6.5 m w/hook block 1pc
- Load chain 6.3 mm x 8.5 m w/hook tackle for PN 441931 1pc
- Load chain 6.3 mm x 0.5 m w/hook tackle for PN 441150.441250 1pc
- Power lead 2.0 mm<sup>2</sup> x 3C x 3m w/2 flat pins plug for PN:441110.441225 1pc
- Power lead 1.5 mm<sup>2</sup> x 3C x 3m w/3 round pins plug for PN:441120.441220.441150.441250.441931 1pc
- Pendant switch PB-417 w/cord 1.25 mm<sup>2</sup> x 5C x 3m 1pc
- Pendant switch PB-417 w/cord 1.25 mm<sup>2</sup> x 5C x 4m for PN:441931 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:

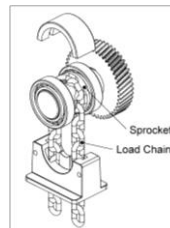
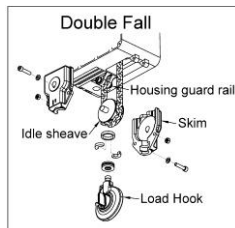
- Hoist PN
- Quantity for each part
- Part description
- Serial number
- Replacement part

# Installation

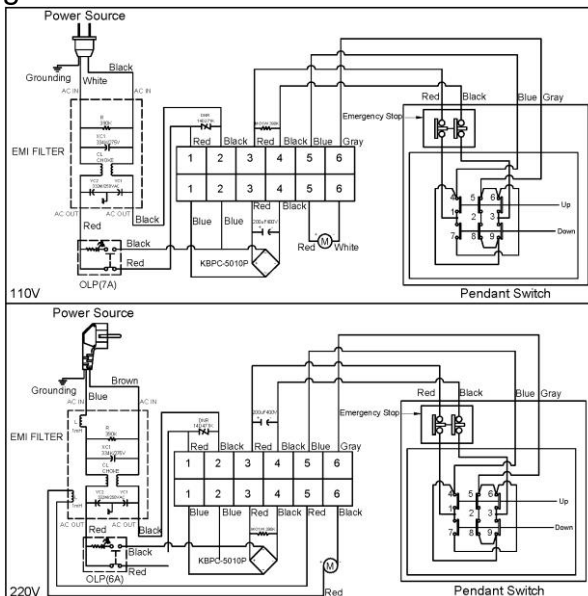
Before using the hoist, make sure all electrical components have no corrosion or damaged; the environment should be clear and dry.

## ► Load Chain Replacement

- 1). Be sure that the replacement chain is the exact size, grade and constructions as the original chain. The new load chain must have an odd number links so that both its end links have the same orientation. Destroy the old chain to prevent its reuse.
- 2). When replacing load chain, check for wear on mating parts such as sprocket , and replace parts if necessary.
- 3). Remove all chain components including load hook kit from the old chain for reuse on new chain. Inspect and replace any damaged or worm parts.
- 4). Feed the end link on the load side of the new chain through the require chain components and idle sheave of load hook. Attach the remaining chain components to the chain guide rail for the proper locations.
- 5). Operate the hoist down to move the chain through the hoist body. Stop when a sufficient amount of new chain is accumulated on the load side.



## ► Wiring Diagram



## **Warning**

- The winch is not intended to be used in any manner for the movement or lifting of personnel.

## **Parts List**

Item No.	Description	Part No.	Qty
1	Gear box	881789	1
2	Motor kit 100V~120V	881790	1
	Motor kit 200V~240V	881791	
3	1 <sup>st</sup> pinion kit	881792	1
4	1 <sup>st</sup> gear kit	881793	1
5	Ratchet stopper kit	881794	2
6	Sprocket kit	881795	1
7	2 <sup>nd</sup> gear kit	881858	1
8	R-type retaining ring	881867	1
9	Sprocket protector kit	881796	1
10	Brake rear cover kit	881797	1
11	Hook suspension	881798	1
12	Head pin	881799	1
13	Gearbox rear cover kit	881857	1
14	Electric cover kit	881800	1
15	Load chain 6.5 m	881802	1
	Load chain 8.5 m	882091	1
	Load chain 0.5 m for PN 441150.441250	883120	1
16	Hook block	881804	1
17	Lift limiter	881805	1
18	Chain bag kit	881806	1
19	Control panel 100V~120V	881807	1
	Control panel 200V~240V	881808	
20	Cable gland AG-16	881809	1
21	Cable gland AG-20	881810	1
22	Power lead w/2 flat pins plug	881811	1
	Power lead w/3 round pins plug	881812	1
23	Remote control, PB-417	883137	1
	Remote control, PB-417 for PN:441931	883138	1
24	Fix bolt kit	881859	1

## Hoist Assembly

