CP-500, CP-500T

Electric Winch

500 kg

200V-240V x 1ph AC (CP-500)
380V-440V x 3ph AC (CP-500T)



▲ CP-500



▼ CP-500T

- Lightweight and compact design for easy installation
- Electromagnetic spring-applied failsafe brake
- Heavy duty high efficiency ball bearings on all running surfaces
- Planetary gears for maximum mechanical efficiency
- Enclosed drum flanges to prevent rope becoming trapped between drum and support steel plates
- Steel plate foot mountings
- Quiet running
- Emergency stop function switch is available upon request
- Low voltage control ass'y is available upon request

SPECIFICATIONS

MODEL			CP-500	CP-500T
Lifting capacity kg wire rope top layer			500	
Lifting speed, m/min	first layer		10	12
	top layer		15	18
Motor rating IP44	type		Induction	
	output, kw x poles	1ph,220-240V	1.8 x 4	-
		3ph, 380-440V	-	1.8 x 4
Gear ratio			48:1	42:1
Maximum lifting height, m			58	
Braking methods			Electromagnetic	
Wire rope w/hook	size, mm x m		* 7 x 60	
	construction		6 x 19	
	breaking strength, kg		2,700	
	weight hook		CHW-0005	
Drum dimension, mm	length		220	
	drum dia.		102	
	flange dia.		180	
Mounting bolts pattern, mm x mm			267 x 156 ; 267 x 72	
Standard accessory	weight hook		•	
	remote control		•	
Net weight, kg (standard version)			55	54
Gross weight, kg			62	62
Body dimension, mm (L x D x H)			728 x 260 x 299	704 x 260 x 299
Box dimension, mm (L x D x H)			750 x 300 x 380	

Note: *1. Above performance ratings are based on 50Hz supply.*
(60Hz motor available as option resulting in a reduction of lifting capacities by 20% and a speed increase of 20%)
2. "" Means standard version*

SOLUTION for REMOTE CONTROL

1). *Remote control, HOB-213
- Switch cord 3.5 mm² x 5C x 6 m
- Pendant switch HOB-213

2). Remote control, PB-331
- Switch cord 3.5 mm² x 5C x 6 m
- Pendant switch PB-331 w/an emergency stop button

3). Low voltage control ass'y LV-320
- Remote control, PB-306
. Switch cord 1.25 mm² x 3C x 3 m
. Pendant switch PB-306 w/an emergency stop button
- Low voltage control, LV-320

PERFORMANCE DATA

Pulling load capacity for various inclines in kg

MODEL	Level Surface	Gradient % inclines / angle in degrees				
		10%6°	20%11°	40%22°	60%31°	80%39°
CP-500 CP-500T	4,170	2,230	1,620	1,040	810	690

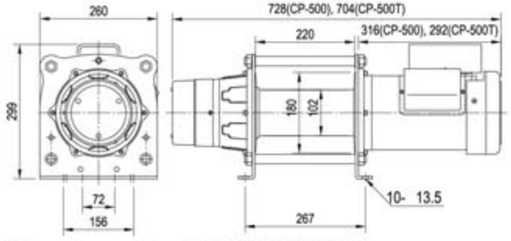
1. All rating are based on the top layer. For each layer reduction on the drum pulling capacity is increased by 10%
2. Use a snatch block for double line operation, to increase line pull by approximately 85%
3. The pulling capacities are based on a pulling load and 15% has been allowed for friction (specific applications will vary)

Lifting Capacity, Lifting Speed and Rope Capacity

Layer of Wire Rope	Lifting Capacity kg	Lifting Speed, m/min		Total Rope on the Drum, m
MODEL	CP-500 / 500T	CP-500	CP-500T	CP-500 / 500T
1st	757	10	12	10
2nd	671	11.6	13.4	22
3rd	602	12.9	14.9	35
4th	546	14.2	16.4	50
5th	500	15	18	60

Note: *Above performance ratings are based on 50Hz supply.*

DIMENSION mm/in



4). Low voltage control ass'y LV-320 (CP-500T only)
- Remote control, CPB-161
. Switch cord 1.25 mm² x 3C x 3 m
. Pendant switch CPB-161
- Low voltage control, LV-320

CP-750T

Electric Winch

750 kg

380V-440V x 3ph AC



- Lightweight and compact design for easy installation
- Electromagnetic spring-applied failsafe brake
- Heavy duty high efficiency ball bearings on all running surfaces
- Planetary gears for maximum mechanical efficiency
- Enclosed drum flanges to prevent rope becoming trapped between drum and support castings
- Cast steel foot mountings
- Quiet running
- Rated capacity limiter limits driving power of the motor to prevent overloading of the winch
- Low voltage control ass'y comes as standard
- Emergency stop function switch is available upon request

SPECIFICATIONS

MODEL			CP-750T
Lifting capacity kg wire rope top layer			750
Lifting speed, m/min	first layer		10
	top layer		15
Motor rating IP54	type		Induction
	output, kw x poles	3ph, 380-440V	2.2 x 4
Gear ratio			58:1
Maximum lifting height, m			58
Braking methods			Electromagnetic
Wire rope w/hook	size, mm x m		* 9 x 60
	construction		6 x 19
	breaking strength, kg		3,750
Drum dimension, mm	length		240
	drum dia.		114
	flange dia.		240
Mounting bolts pattern, mm x mm			300 x 400
Standard accessory	safety-latch hook		•
	remote control		•
	low voltage control		•
	base plate		•
Net weight, kg (standard version)			135
Gross weight, kg			165
Body dimension, mm (L x D x H)			870 x 424 x 360
Box dimension, mm (L x D x H)			970 x 530 x 520

Note:*1. Above performance ratings are based on 50Hz supply.*
(60Hz motor available as option resulting in a reduction of lifting capacities by 20% and a speed increase of 20%)
2. "" Means standard version*

SOLUTION for REMOTE CONTROL

1). *Low voltage control ass'y LV-320
- Remote control, CPB-161
. Switch cord 1.25 mm² x 3C x 3 m
. Pendant switch CPB-161
- Low voltage control, LV-320

2). Low voltage control ass'y LV-320
- Remote control, PB-306
. Switch cord 1.25 mm² x 3C x 3 m
. Pendant switch PB-306 w/an emergency stop button
- Low voltage control, LV-320

PERFORMANCE DATA

Pulling load capacity for various inclines in kg

MODEL	Level Surface	Gradient % inclines / angle in degrees				
		10%6°	20%11°	40%22°	60%31°	80%39°
CP-750T	6,250	3,350	2,430	1,550	1,210	1,040

1. All rating are based on the top layer. For each layer reduction on the drum pulling capacity is increased by 10%
2. Use a snatch block for double line operation, to increase line pull by approximately 85%
3. The pulling capacities are based on a pulling load and 15% has been allowed for friction (specific applications will vary)

Lifting Capacity, Lifting Speed and Rope Capacity

Layer of Wire Rope	Lifting Capacity kg	Lifting Speed m/min	Total Rope on the Drum, m
1st	1,188	10	9.9
2nd	1,036	11	21.3
3rd	920	12.4	34.2
4th	826	13.8	48.5
5th	750	15	60

Note: *Above performance ratings are based on 50Hz supply.*

DIMENSION mm/in

