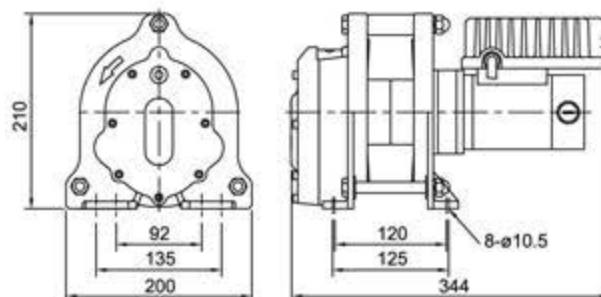


CWL-80, CWL-200, CWL-301

80-200-300 kg



▲ CWL-80



- Lightweight and compact design for easy installation
- Dynamic and mechanical ratchet brake provides instant and safe braking
- Operates on standard household power supply
- Wire rope comes with a safety-latch weight hook
- Enclosed drum flanges to prevent rope becoming trapped between drum and support castings
- Emergency stop function switch is available upon request

SPECIFICATIONS

MODEL			CWL-80	CWL-200	CWL-301
Lifting capacity kg wire rope top layer			80	200	300
Lifting speed, m/min	first layer		16	11	16
	top layer		25	16	25
Motor rating IP44	type		Series Wound		
	output, kw x Amp	1ph, 110V	0.3 kw x 6 A	1.2 kw x 12 A	-
		1ph, 220-240V	0.3 kw x 3 A	1.5 kw x 7.5 A	2.3 kw x 11 A
Gear ratio			56:1	240:1	110:1
Maximum lifting height, m			23	45	29
Braking methods	for motor		Electromagnetic		
	for gear		Single mechanical ratchet	Double mechanical ratchets	
Wire rope w/hook	size, mm x m		* 4 x 24	* 5 x 46	* 6 x 30
	construction		6 x 19		
	breaking strength, kg		810	1,270	2,010
	weight hook		CHW-0031		
Drum dimension, mm	length		46	97	97
	drum dia.		70	95	95
	flange dia.		158	190	190
Mounting bolts pattern, mm x mm			120 x 90 125 x 135	142 x 94 152 x 135	
Standard accessory	weight hook		*		
	remote control		*		
	power lead		1.5 mm² x 3C x 3 m and industry plug		2.0 mm² x 6C x 10 m and industry plug
Net weight, kg (standard version)			16	30	38
Gross weight, kg			18	32	40
Body dimension, mm (L x D x H)			344 x 200 x 210	413 x 210 x 270	501 x 210 x 270
Box dimension, mm (L x D x H)			376 x 330 x 240	515 x 395 x 350	630 x 395 x 350

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 (CWL-80)

- 1). * Remote control, CPB-413
 - Switch cord 1.25 mm² x 6C x 3 m
 - Pendant switch CPB-413
- 2). Remote control, PB-317A
 - Switch cord 1.25 mm² x 6C x 3 m
 - Pendant switch PB-317A w/an emergency stop button

SOLUTION for REMOTE CONTROL (CWL-200)

- 1). * Remote control, CPB-313
 - Switch cord 1.25 mm² x 6C x 10 m
 - Pendant switch CPB-313
- 2). Remote control, PB-417
 - Switch cord 1.25 mm² x 6C x 10 m
 - Pendant switch PB-417 w/an emergency stop button

Compact Winch

110V or 220V-240V x 1ph AC (CWL-80/200)
220V-240V x 1ph AC (CWL-301)

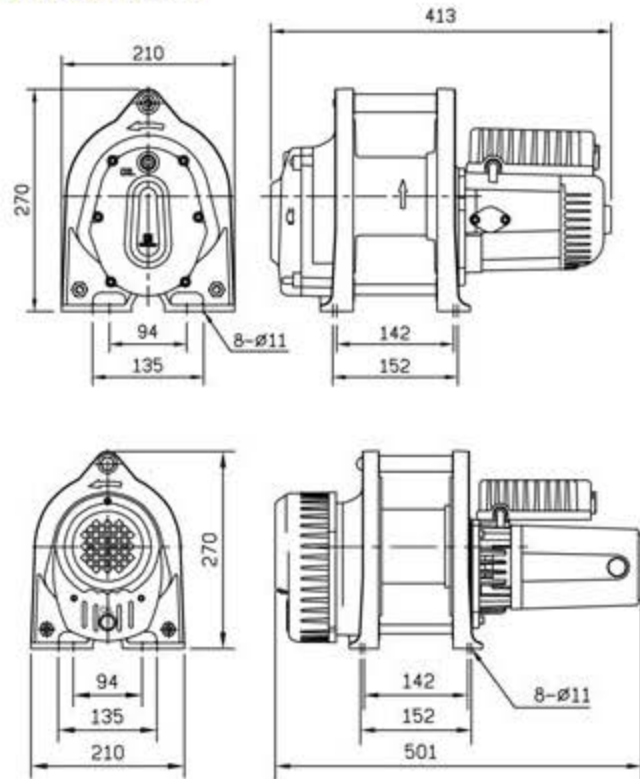


▲ CWL-200



▲ CWL-301

DIMENSION mm/in



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°
CWL-80	670	360	260	170	130	110
CWL-200	1,670	890	650	410	320	280
CWL-301	2,500	1,340	970	620	490	410

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

MODEL	CWL-80		
	Layer of Wire Rope	Lifting Capacity kg	Lifting Speed m/min
	1 st	132	16
	2 nd	119	17.2
	3 rd	108	18.9
	4 th	100	20.6
	5 th	92	22.3
	6 th	86	24
	7 th	80	25

MODEL	CWL-200		
Layer of Wire Rope	Lifting Capacity kg	Lifting Speed m/min	Total Rope on the Drum, m
1 st	320	11	5.8
2 nd	291	11.6	12.1
3 rd	267	12.6	19.1
4 th	246	13.7	26.6
5 th	229	14.7	34.7
6 th	213	15.8	43.4
7 th	200	16	46

MODEL	CWL-301		
Layer of Wire Rope	Lifting Capacity kg	Lifting Speed m/min	Total Rope on the Drum, m
1 st	478	16	4.8
2 nd	427	17.7	10.2
3 rd	386	19.6	16.2
4 th	353	21.5	22.7
5 th	324	23.4	29.8
6 th	300	25	30

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

SOLUTION for REMOTE CONTROL (CWL-301)

- 1). * Remote control, CPB-313
 - Switch cord 2.0 mm² x 6C x 10 m
 - Pendant switch CPB-313
- 2). Remote control, PB-417
 - Switch cord 2.0 mm² x 6C x 10 m
 - Pendant switch PB-417 w/an emergency stop button

CWL-200L, CWL-301L

200-300 kg



▲ CWL-200L

Best solution for wind energy turbines for efficient and economical operation at great heights.

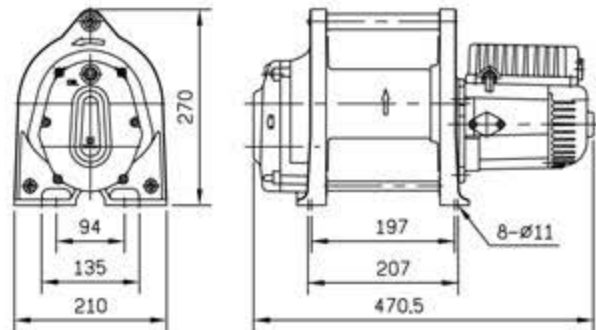
- Lightweight and compact design for easy installation
- Double mechanical ratchets brake provide instant and safe braking
- Operates on standard household power supply
- Wire rope comes with a safety-latch weight hook
- Enclosed drum flanges to prevent rope becoming trapped between drum and support castings
- Emergency stop function switch is available upon request

SPECIFICATIONS

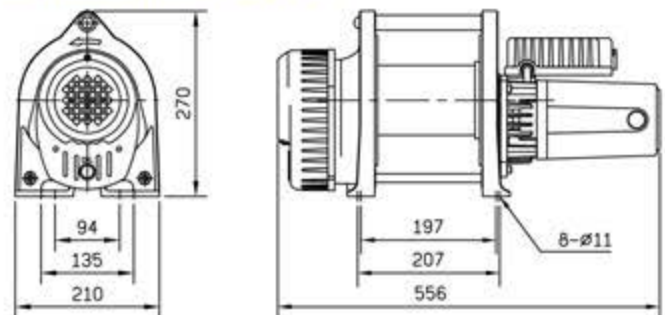
MODEL		CWL-200L	CWL-301L
Lifting capacity kg	wire rope top layer	200	300
Lifting speed, m/min	first layer	11	16
	top layer	16	25
Motor rating IP44	type	Series Wound	
	output, 1ph, 110V	1.2 kw x 12 A	-
	kw x Amp 1ph, 220-240V	1.5 kw x 7.5 A	2.3 kw x 11 A
Gear ratio		240:1	110:1
Maximum lifting height, m		69	58
Braking methods	for motor	Electromagnetic	
	for gear	Double mechanical ratchets	
Wire rope w/hook	size, mm x m	* 5 x 71	* 6 x 60
	construction	6 x 19	
	breaking strength, kg	1,270	2,010
	weight hook	CHW-0031	
Drum dimension, mm	length	147	147
	drum dia.	95	95
	flange dia.	190	190
Mounting bolts pattern, mm x mm		197 x 94 207 x 135	
Standard accessory	weight hook	•	
	remote control	•	
	power lead	1.5 mm ² 3C x 3 m and industry plug	-
Net weight, kg (standard version)		33	40
Gross weight, kg		35	42
Body dimension, mm (L x D x H)		407.5 x 210 x 270	556 x 210 x 270
Box dimension, mm (L x D x H)		545 x 395 x 350	630 x 395 x 350

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

DIMENSION mm/in (CWL-200L)



DIMENSION mm/in (CWL-301L)



SOLUTION for REMOTE CONTROL (CWL-200L)

- 1). * Remote control, CPB-313
 - Switch cord 1.25 mm² x 6C x 10 m
 - Pendant switch CPB-313
- 2). Remote control, PB-417
 - Switch cord 1.25 mm² x 6C x 10 m
 - Pendant switch PB-417 w/an emergency stop button

SOLUTION for REMOTE CONTROL (CWL-301L)

- 1). * Remote control, CPB-313
 - Switch cord 2.0 mm² x 6C x 10 m
 - Pendant switch CPB-313
- 2). Remote control, PB-417
 - Switch cord 2.0 mm² x 6C x 10 m
 - Pendant switch PB-417 w/an emergency stop button

Longer Rope Compact Winch

110V or 220V-240V x 1ph AC (CWL-200L)
220V-240V x 1ph AC (CWL-301L)



▲ CWL-301L

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°
CWL-200L	1,670	890	650	410	320	280
CWL-301L	2,500	1,340	970	620	490	410

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

MODEL	CWL-200L		
Layer of Wire Rope	Lifting Capacity kg	Lifting Speed m/min	Total Rope on the Drum, m
1 st	320	11	8.9
2 nd	291	11.6	18.7
3 rd	267	12.6	29.4
4 th	246	13.7	41
5 th	229	14.7	53.5
6 th	213	15.8	66.9
7 th	200	16	71

MODEL	CWL-301L		
Layer of Wire Rope	Lifting Capacity kg	Lifting Speed m/min	Total Rope on the Drum, m
1 st	478	16	7.5
2 nd	427	17.7	15.8
3 rd	386	19.6	25
4 th	353	21.5	35.1
5 th	324	23.4	46.1
6 th	300	25	60

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

H-2500

2,500 kg

Cable Puller

110V, 220V-240V x 1ph AC



- Dual pulling capacities of 2,500 kg and 1,500 kg
- Dual speeds vary according to drum size
- A overload protection switch ensure automatic shut-off
- Electromagnetic spring-apply failsafe brake
- Heavy duty high efficiency ball bearings on all running surfaces
- Rugged high power induction motor of proven reliability
- Case hardened gear train for maximum mechanical efficiency
- Suitable for continuous pulling to tackle the toughest wall, ground and underground pulling applications

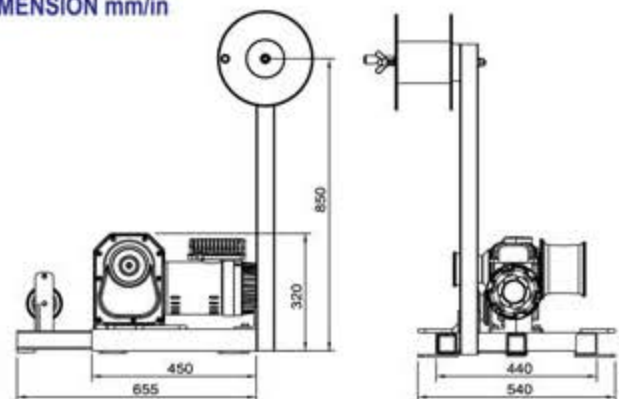
SPECIFICATIONS

MODEL		Large drum	Small drum
Pulling capacity kg		1,500	2,500
Rope speed m/min	50 Hz	4.0	2.5
	60 Hz	5.0	3.0
Gear train	hypoid gear plus spur gears		
Gear ratio	154:1		
Motor rating IP44, kw x p	0.6 x 4		
Drum dimension, mm	length	124	104
	drum dia.	130	74
	flange dia.	150	94
Percentage duty cycle	25%ED		
Cable puller weight, kg	60		
Gross weight, kg	83		
Body dimension, mm (L x D x H)	457 x 362 x 267		
Box dimension, mm (L x D x H)	610 x 720 x 500		

STANDARD ACCESSORIES

- Rope arm
- Base plate
- Wire rope 8 mm x 50 m
- Detachable rope storage roller
- Foot control kit with 2.0 mm² x 3C x 2 m lead
- Power lead comes with 1.5 mm² x 3C x 3 mm and plug

DIMENSION mm/in



Winch Accessories Chart

Series	Model	Lifting capacity, kg	Accessories															
			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Electric Winch	WT-180	180	●					●										●
	CP-200	200	●	●			○	○				●						○
	CP-250	250	●	●			○	○				●						○
	CP-300	300	●	●			○	○				●						○
	CP-500	500	●	●			○	○					●					○
	CP-500T	500	●	●	○		○	○					●					○
	CP-750T	750	●		●			○								●	●	●
	CWG-10077	300	●	●			○	○				●						○
	CWG-30075	300	●	●	○		○	○				●						○
	CWG-10151	400	●	●			○	○					●				●	○
	CWG-30151	500	●	●	○		○	○									●	○
	CWG-30375	900	●		●			○								●	●	●
	CWG-30565	1,100	●		●			○								●	●	●
	CWG-30750	2,200	●		●			○								●	●	●
	CWG-31500	3,500	●		●			○								●	●	●
	CWG-34000	5,000	●		●			○								●	●	●
Compact Winch	CWS-80	80	●			●			○					●				○
	CWS-160	160	●			●			○						●			○
	CWS-230	230	●			●			○						●			○
	CWS-300	300	●			●			○						●			○
	CWL-80	80	●							○	●	●						
	CWL-200	200	●			●			○			●						
	CWL-301	300	●			●			○			●						
Longer Rope Compact Winch	CWL-200L	200	●			●			○			●						
	CWL-301L	300	●			●			○			●						

A....Wire rope

B....Remote Control, HOB-213

C....Remote Control, CPB-161

D....Remote Control, CPB-313

E....Remote Control, PB-331

●....Standard Accessory

F....Remote Control, PB-306

G....Remote Control, PB-417

H....Remote Control, PB-317A

I....Remote Control, CPB-413

J....Weight Hook, CHW-0031

○....Option Accessory

K....Weight Hook, CHW-0005

L....Weight Hook, CHW-0032

M....Weight Hook, CHW-0033

N....Safety-latch Hook

O....Base Plate

P....Low Voltage Control, LV-320

Q....Low Voltage Control, LV-360

R....Crane CRH-0710

Remote Control



Pendant switch
CPB-161 w/cord



Pendant switch
HOB-213 w/cord

Pendant switch
CPB-313 w/cord

Pendant switch
CPB-413 w/cord

Low Voltage Control



LV-360 w/steel cover



LV-320 w/plastic cover

Remote Control (switch with an emergency stop)



Pendant switch
PB-306 w/cord



Pendant switch
PB-417/331/317A w/cord

Weight Hook



CHW-0005
Rated 500 Kg



CHW-0031
Rated 300 Kg



CHW-0032
CHW-0033
Rated 300 Kg