CWL-80, CWL-200, CWL-301

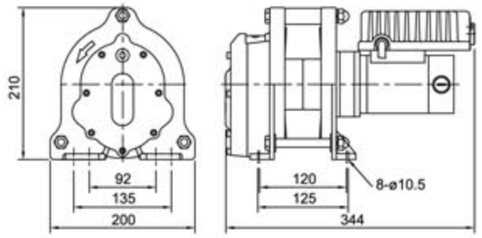
80-200-300 kg

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

- 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



▲ CWL-80



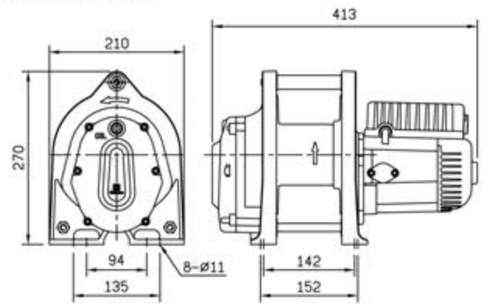


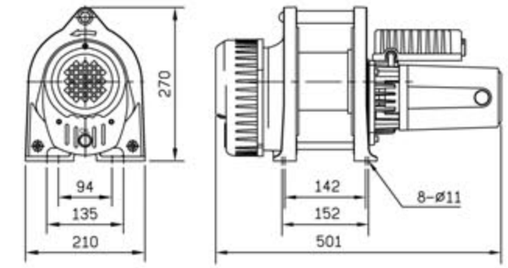
▲ CWL-200



▲ CWL-301

DIMENSION mm/in





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

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	Total Rope on the Drum, m
1st	132	16	2.4
2nd	119	17.2	5.1
3rd	108	18.9	8.1
4th	100	20.6	11.3
5th	92	22.3	14.8
6th	86	24	18.6
7th	80	25	24

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

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