CWG-10077, CWG-30075

Electric Winch

300 kg

110V, 220V-240V x 1ph AC (CWG-10077)
380V-440V x 3ph AC (CWG-30075)



- Positive retention of wire rope on the drum
- 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
- Quiet running
- Emergency stop function switch is available upon request
- Low voltage control ass'y is available upon request

SPECIFICATIONS

MODEL			CWG-10077	CWG-30075
Lifting capacity kg wire rope top layer			300	
Lifting speed, m/min	first layer		12	10
	top layer		19	15
Motor rating IP44	type		Induction	
	output, kw x poles	1ph,110V 1ph, 220-240V	1.5 x 4	-
		3ph, 380-440V	-	0.75 x 4
Gear ratio			41:1	43:1
Maximum lifting height, m			58	29
Braking methods			Electromagnetic	
Wire rope w/hook	size, mm x m		* 6 x 60 7 x 40	* 6 x 30
	construction		6 x 19	
	breaking strength, kg		2,010 2,700	2,010
	weight hook		CHW-0031	
Drum dimension, mm	length		150	110
	drum dia.		102	94
	flange dia.		180	154
Mounting bolts pattern, mm x mm			197 x 156	142 x 142
Standard accessory	weight hook		•	
	remote control		•	
Net weight, kg (standard version)			42	32
Gross weight, kg			44	34
Body dimension, mm (L x D x H)			624 x 252 x 300	477 x 210 x 241
Box dimension, mm (L x D x H)			700 x 280 x 375	635 x 296 x 290

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 3 m for CWG-10077
- Switch cord 1.25 mm² x 5C x 3 m for CWG-30075
- Pendant switch HOB-213

2). Remote control, PB-331
- Switch cord 3.5 mm² x 5C x 3 m for CWG-10077
- Switch cord 1.25 mm² x 5C x 3 m for CWG-30075
- 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°
CWG-10077 CWG-30075	2,500	1,340	970	620	490	410

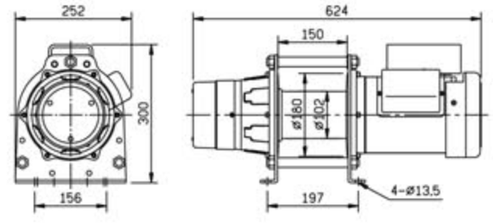
1. All rating are based on the top layer. For each layer reduction on the drum pulling capacity is increased by 10%
2. Use a snatch block for double line operation, to increase line pull by approximately 85%
3. The pulling capacities are based on a pulling load and 15% has been allowed for friction (specific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

Lifting Capacity, Lifting Speed and Rope Capacity

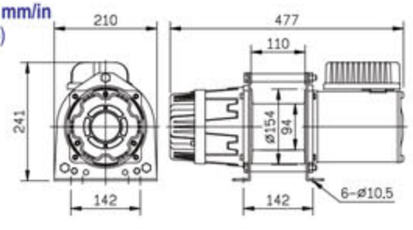
Layer of Wire Rope	Lifting Capacity kg		Lifting Speed m/min		Total Rope on the Drum, m	
MODEL	CWG-10077	CWG-30075	CWG-10077	CWG-30075	CWG-10077	CWG-30075
1st	467	444	12	10	8.1	5.4
2nd	420	396	13.5	11.4	17.2	11.5
3rd	382	358	14.9	12.5	27.1	18.3
4th	350	326	16.2	13.8	38	25.7
5th	323	300	17.6	15	50	30
6th	300	-	19	-	60	-

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

DIMENSION mm/in (CWG-10077)



DIMENSION mm/in (CWG-30075)



CWG-10151, CWG-30151

Electric Winch

400-500 kg

220V-240V x 1ph AC (CWG-10151)
380V-440V x 3ph AC (CWG-30151)



- 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
- Fabricated steel drum
- Supplied on steel base plate ready to mount
- Quiet running
- Emergency stop function switch is available upon request
- Low voltage control ass'y is available upon request

SPECIFICATIONS

MODEL			CWG-10151	CWG-30151
Lifting capacity kg wire rope top layer			400	500
Lifting speed, m/min	first layer		12	
	top layer		18	
Motor rating IP44	type		Induction	
	output, kw x poles	1ph, 220-240V	1.5 x 4	-
		3ph, 380-440V	-	1.5 x 4
Gear ratio			57:1	
Maximum lifting height, m			58	
Braking methods			Electromagnetic	
Wire rope w/hook	size, mm x m		* 9 x 60 8 x 100	
	construction		6 x 24	
	breaking strength, kg		3,750 2,970	
	weight hook		CHW-0005	
Drum dimension, mm	length		240	
	drum dia.		140	
	flange dia.		280	
Mounting bolts pattern, mm x mm			400 x 325	
Standard accessory	weight hook		•	
	remote control		•	
	base plate		•	
Net weight, kg (standard version)			125	
Gross weight, kg			150	
Body dimension, mm (L x D x H)			937 x 367 x 425	922 x 367 x 425
Box dimension, mm (L x D x H)			1,090 x 470 x 590	

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 3 m for CWG-10151
- Switch cord 2.0 mm² x 5C x 3 m for CWG-30151
- Pendant switch HOB-213

2). Remote control, PB-331
- Switch cord 3.5 mm² x 5C x 3 m for CWG-10151
- Switch cord 2.0 mm² x 5C x 3 m for CWG-30151
- 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°
CWG-10151	3,330	1,790	1,300	830	650	550
CWG-30151	4,170	2,230	1,620	1,040	810	690

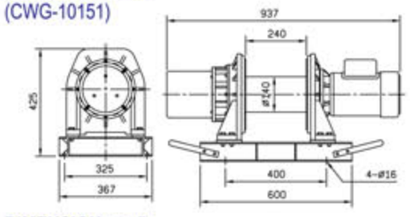
1. All rating are based on the top layer. For each layer reduction on the drum pulling capacity is increased by 10%
2. Use a snatch block for double line operation,to increase line pull by approximately 85%
3. The pulling capacities are based on a pulling load and 15% has been allowed for friction (specific 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	CWG-10151	CWG-30151	CWG-10151 / 30151	
1st	593	742	12	12
2nd	529	662	13.3	26
3rd	478	597	14.8	40
4th	436	544	16.2	57
5th	400	500	18	60

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

DIMENSION mm/in (CWG-10151)



DIMENSION mm/in (CWG-30151)

