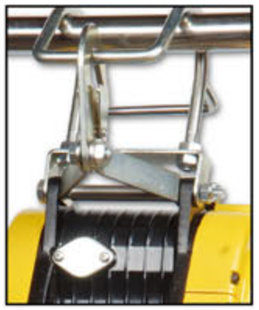
CWS-80, CWS-160, CWS-230, CWS-300

80-160-230-300 kg



Hanger attachment comes as standard



- **Lightweight and compact design**
  Allows easy installation
- **Upper hoisting limit switch**
  When rope touches the limit arm, hoisting is automatically stopped
- **Lower hoisting limit switch**
  Sensor arm automatically stops motor if the wire rope is under-wound
- **Dynamic and mechanical ratchet pawl brake provides instant and safe braking**
- **Can operate on standard domestic power supply**
- **Wire rope comes with a safety-latch weight hook**
- **Emergency stop function switch is available upon request**

SPECIFICATIONS

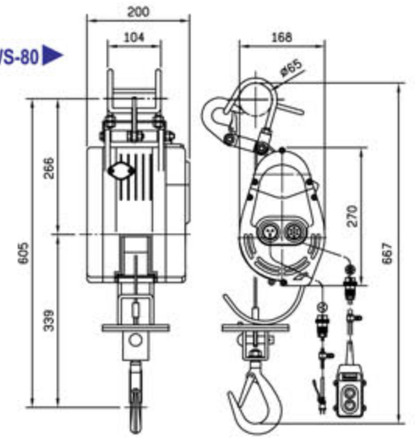
MODEL			CWS-80	CWS-160	CWS-230	CWS-300
Lifting capacity kg wire rope top layer			80	160	230	300
Lifting speed, m/min	first layer		18	14	9	9
	top layer		30	22	14	13
Motor rating IP44	type		Series Wound			
	output, kw x Amp	1ph, 110V	0.8 kw x 8 A	1.2 kw x 12 A		-
		1ph, 220-240V	0.8 kw x 4 A	1.2 kw x 6 A		1.5 kw x 7.5 A
Gear ratio			92:1	192:1	272:1	270:1
Maximum lifting height, m			23	30	24	24
Braking methods	for motor		Electromagnetic			
	for gear		Single mechanical ratchet	Double mechanical ratchets		
Wire rope w/hook	size, mm x m		*4 x 24 3.2 x 36	*4.8 x 31 4 x 41	*5 x 25	*4.8 x 25
	construction		6 x 19			A7 x 19
	breaking strength, kg		810 530	1,100 810	1,270	1,910
	weight hook		CHW-0032	CHW-0033		
Drum dimension, mm	length		46	60		60
	drum dia.		70	90		94
	flange dia.		158	170		170
Standard accessory	weight hook		•			
	remote control		•			
	power lead		1.5 mm² x 3C x 5 m and industry plug			
Option accessory			Crane CRH-0710			-
Net weight, kg			9	14	15	17
Gross weight, kg			18	24	24	25
Box dimension, mm (L x D x H)			355 x 355 x 270	425 x 365 x 300		

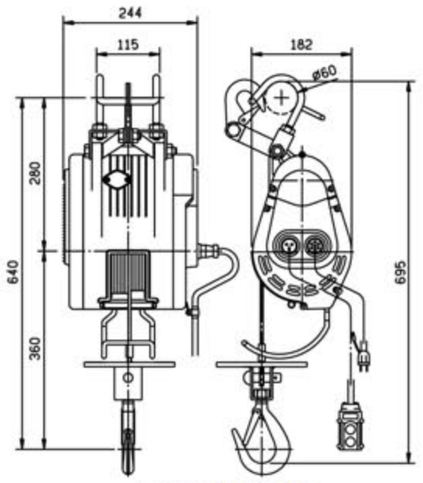
Note: *1. Above performance ratings are based on 50Hz supply.*
(60Hz motor available as option resulting in a reduction of lifting capacities by 20% and a speed increase of 20%)
2. "" Means standard version*

110V or 220V-240V x 1ph AC (CWS-80/160/230)
220V-240V x 1ph AC (CWS-300)

DIMENSION mm/in

CWS-80 ▶





▲ CWS-160 / 230 / 300

PERFORMANCE DATA

Lifting Capacity, Lifting Speed and Rope Capacity

MODEL	CWS-80		
Layer of Wire Rope	Lifting Capacity kg	Lifting Speed m/min	Total Rope on the Drum, m
1st	132	18	2.4
2nd	119	20.4	5.1
3rd	108	22.4	8.1
4th	100	24.3	11.3
5th	92	26.3	14.8
6th	86	28.3	18.6
7th	80	30	24

MODEL	CWS-160		
Layer of Wire Rope	Lifting Capacity kg	Lifting Speed m/min	Total Rope on the Drum, m
1st	257	14	3.4
2nd	234	15.4	7.2
3rd	214	16.8	11.3
4th	197	18.2	15.8
5th	183	19.6	20.6
6th	171	21	25.8
7th	160	22	31

MODEL	CWS-230		
Layer of Wire Rope	Lifting Capacity kg	Lifting Speed m/min	Total Rope on the Drum, m
1st	351	9	3.3
2nd	318	10.3	6.9
3rd	290	11.3	10.9
4th	267	12.3	15.2
5th	247	13.3	19.9
6th	230	14	25

MODEL	CWS-300		
Layer of Wire Rope	Lifting Capacity kg	Lifting Speed m/min	Total Rope on the Drum, m
1st	446	9	3.6
2nd	406	9.7	7.5
3rd	373	10.6	11.7
4th	345	11.4	16.4
5th	321	12.3	21.3
6th	300	13	25

SOLUTION for REMOTE CONTROL

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

CRANE CRH-0710

. Crane CRH-0710 for compact winch rating up to 250 kg (for CWS-80/160/230)

