



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**

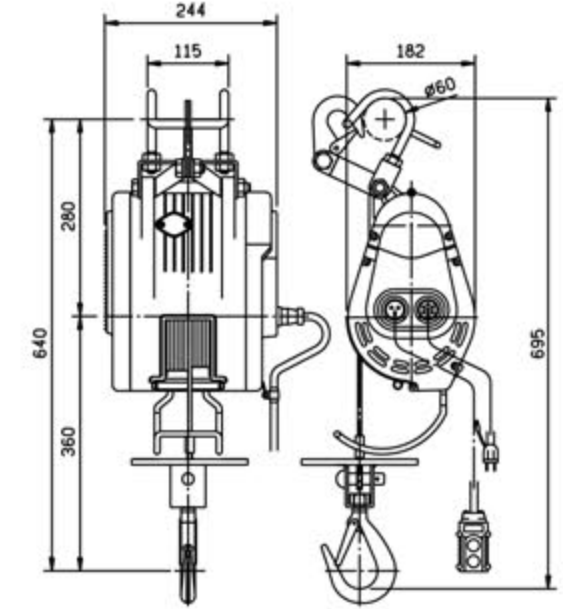
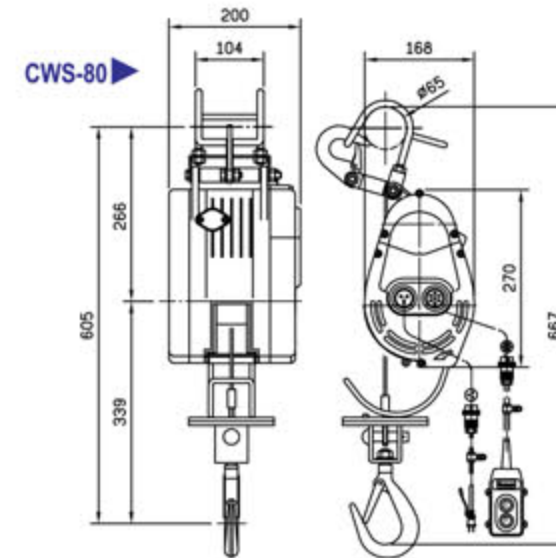
SPECIFICATIONS

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 mm ² 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-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
1 st	132	18	2.4
2 nd	119	20.4	5.1
3 rd	108	22.4	8.1
4 th	100	24.3	11.3
5 th	92	26.3	14.8
6 th	86	28.3	18.6
7 th	80	30	24

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

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

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

SOLUTION for REMOTE CONTROL

- * Remote control, CPB-313
- Switch cord 1.25 mm² x 6C x 10 m
- Pendant switch CPB-313
- 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)

