

HERCULES HOISTS LIMITED



Electric Chain Hoist Model HC +

- ◆ Lifting
- ◆ Moving
- ◆ Storing



- ▶ **Wide range : 1000 kg to 5000 kg**
Readily suitable for varied applications
- ▶ **Rugged European Design**
Assured safety & reliability
- ▶ **Gravity die cast gear box body & cover**
Assured improved performance & reduced dead weight
- ▶ **Precision machine cut case hardened alloy steel gears and load chain wheel**
Long life, smooth operation
- ▶ **2 stage geared rotary limit switch & overload slipping clutch as standard supply**
Easy to adjust upper & lower hook positions. Protects against overloading
- ▶ **Imported grade 80 surface hardened load chain for strength & wear resistance**
Longer chain life
- ▶ **Robust design & built hoist break motor**
Single speed / dual speed (optional) break motor suitable for extreme hoist duty / inching applications

Material Handling. Delivered.

Redefining Material Handling. Since 1962.

The next generation HC chain hoist with a Global Concept from INDEF

Special Features: NEW GENERATION HC+ :

Hoist Body:

Light and compact body with gravity die cast high grade aluminum alloy. Motor: cylindrical sliding rotor brake motor, with single speed or double speed. The motor is flange-mounted to the body of the hoist. Asbestos-free brake. Designed for high number of cyclic operations.

Hoist Drive:

Precision cut case hardened alloy steel gears, high grade grease lubricated for long life and noiseless operation.

Load Chain Wheel:

Five pocket machined & hardened load chain wheel for smooth load handling and prevents overriding of load chain.

Overload protection:

Slipping clutch protects the hoist from mechanical overload. The slipping clutch is adjustable from the outside.

Chain guide:

The chain guide guarantees the perfect chain entry and exit.

Load Chain:

imported grade 80 surface hardened for long life & wear resistance.

Chain Collector:

Made up of high grade wear and impact resistant suitable safe storing.

Hook block:

High resistance hook with safety latch. The hook rotates on a bearing, located in the steel case.

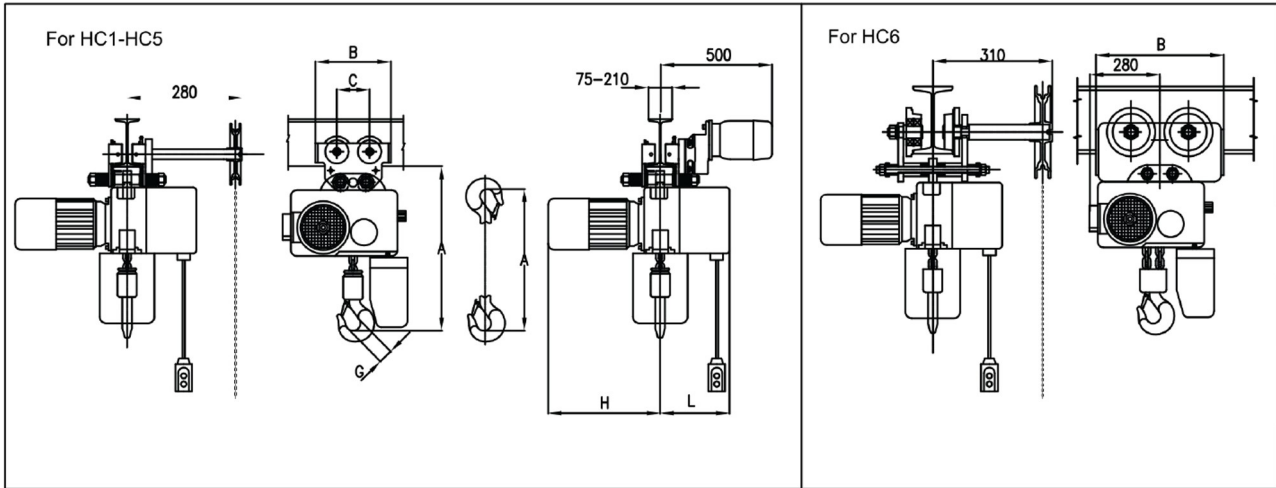
Control:

Contacter control 24V 50Hz with the ergonomic push-button switch. Emergency stop as standard.

Rotary gear limit switch:

A limit switch installed on hoist, limiting the hook path upwards and downwards. It is possible to set intermediate positions, besides the upper and lower ones.





Specification/Dimensions (mm)

	Chain size Diameter in mm	FEM duty	ISO duty	Capacity in kg.	Lifting speed mpm		No. of falls	Motor kw main/creep	Motor RPM	'A' Headroom			B	C	G	H	L	Wt.(kg) Hook susp. 3m lift	Wt.(kg) with ET 3m lift	
					Single	Dual				HOOK SUSP	PT	GT/ET								
HC1 012NH	4	1Am	M4	125	8		ONE	0.25	1500	360	400	420	238	128	31.5	250	135	30	65	
HC1 012DH						8/2.6	ONE	0.25/0.08	1500/410	360	400	420			31.5	250	135	35	70	
HC1 025NL		1Am	M4	250	4		ONE	0.25	1500	360	400	420			31.5	250	135	30	65	
HC1 025DL						4/1.3	ONE	0.25/0.08	1500/410	360	400	420			31.5	250	135	35	70	
HC2 025NH	6	1Am	M4	250	8		ONE	0.55	1500	440	460	460			31.5	350	185	40	75	
HC2 025DH						8/2.6	ONE	0.55/0.18	1500/410	440	460	460			31.5	350	185	44	79	
HC2 050NL		1Am	M4	500	4		ONE	0.55	1500	440	460	460			31.5	350	185	40	75	
HC2 050DL						4/1.3	ONE	0.55/0.18	1500/410	440	460	460			31.5	350	185	44	79	
HC3 050NH	7	1Am	M4	500	8		ONE	0.9	1500	440	460	460	31.5	390	195	55	90			
HC3 050DH						8/2.6	ONE	0.85/0.3	1500/460	550	560	560	31.5	390	195	60	95			
HC3 100NL		1Am	M4	1000	4		ONE	0.9	1500	550	560	560	31.5	390	195	55	90			
HC3 100DL						4/1.3	ONE	0.85/0.3	1500/460	550	560	560	31.5	390	195	60	95			
HC4 100NH	10	1Am	M4	2000	8		ONE	1.84	1500	600	625	625	31.5	445	285	90	125			
HC4 100DH						8/2.6	ONE	1.7/0.6	1500/460	600	625	625	31.5	445	285	94	129			
HC4 200NL					1Am	M4	2500	4		ONE	1.84	1500	600	625	625	37.5	445	285	90	135
HC4 200DL									4/1.3	ONE	1.7/0.6	1500/460	600	625	625	37.5	445	285	94	139
HC4 250NL		1Am	M4	2500	4		ONE	2.2	1500	600	625	625	37.5	445	285	90	150			
HC4 250DL						4/1.3	ONE	2.5/0.8	1500/490	600	625	625	37.5	445	285	98	158			
HC5 300NL		1Am	M4	3000	4		TWO	3.5	1500	950	870	870	45.5	300	305	125	185			
HC5 300DL						4/1.3	TWO	3.5/1.2	1500/460	950	870	870	45.5	300	305	135	200			
HC6 500NL	1Am	M4	5000	4		TWO	4.5	1500	1000	NA	1000	53	300	305	150	230				
HC6 500DL					4/1.3	TWO	4.5/1.5	1500/460	1000	NA	1000	490	220	53	300	305	160	250		

Data tolerance ± 10%

NOTE :

- * Key abbreviations used in models are :
H- High Hoisting speed(8 & above) N- Single speed (Normal speed)
L- Low Hoisting speed (4 & below) D- Dual speed
- * All Dimensions in mm. Data is subjected to change without prior notice.
- * Standard chain collector upto 9.0m lift only.

AUTHORISED BUSINESS PARTNER

ELEQUIP TOOLS PVT. LTD.

19 Pollock Street 2nd Floor Kolkata 700 001 WB

Tel : +91 (033) 22351792/2400 | M: 9674322200

www.ehoists.in | contact@ehoists.in

Enclosure and insulation of electrical components

Lifting & Traveling motors: IP55 Protection - Class "F insulation"

Limit switches: IP65 minimum protection - Maximum voltage 600

Electric power supply

3 phase 50 Hz 415V \pm 5%

Working temperature: minimum - 10° C; maximum + 40°C

Maximum relative humidity 90%

Maximum altitude: 2000m above sea level

The hoist must be installed indoors, in a well-ventilated environment free of corrosive vapors (acid vapors, saline mist)

Noise-Vibrations

Vibrations produced by the hoist are not hazardous for the health of workers



AUTHORISED BUSINESS PARTNER

ELEQUIP TOOLS PVT. LTD.

19 Pollock Street 2nd Floor Kolkata 700 001 WB

Tel : +91 (033) 22351792/2400 | M: 9674322200

www.ehoists.in | contact@ehoists.in



HERCULES HOISTS LIMITED

43/2B, Savroli-Kharpada Road, Dhamani, Khalapur - 410 202, Maharashtra, India

Regional offices: Chennai | Kolkata | New Delhi | Pune

Tel : +91 (0)2192 662555 | Fax: +91 (0) 2192 662504

www.indef.com | indef@indef.com