

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 ± 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



HERCULES HOISTS LIMITED



Electric Chain Hoist Model HC +



- ▶ **Wide range : 250 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
- ▶ **Geared rotary limit switch & overload slipping clutch as standard supply**
Easy to adjust upper & lower hook positions. Protection against overloading
- ▶ **Imported grade 80 surface hardened load chain for strength & wear resistance**
Longer chain life
- ▶ **Robust design & built hoist brake motor**
Single speed / dual speed through VFD brake 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:

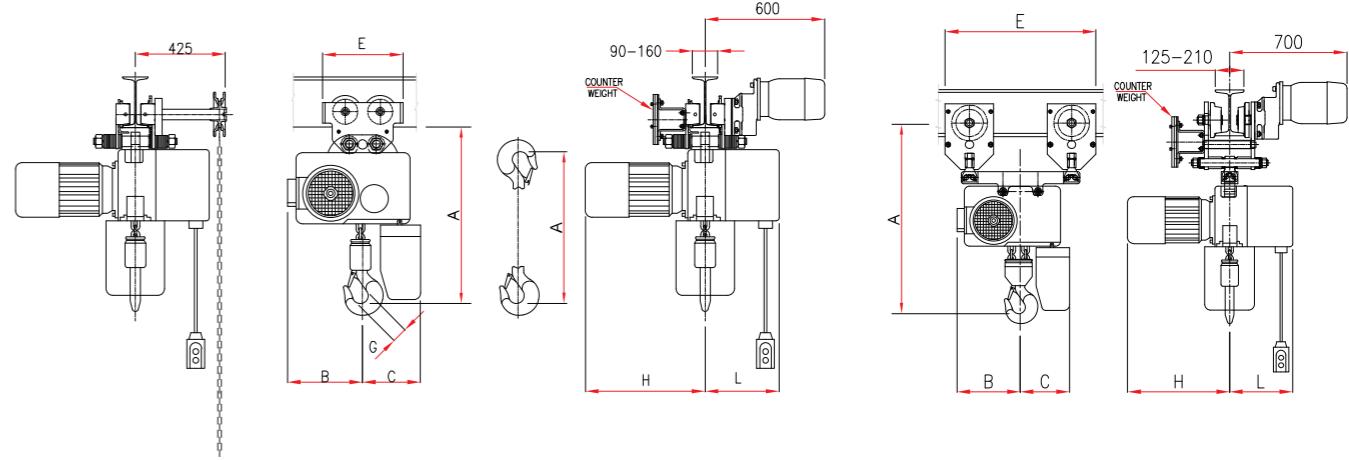
High resistance hook with safety latch. The hook rotates on a bearing, located in the steel case.

Control:

Contactor control 24VAC 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, 24VAC 50Hz besides the upper and lower ones.

MODEL	Capacity in kg.	FEM duty	ISO duty	Lifting speed mpm		Chain Diameter in mm	No. of falls	Motor kw main/creep	Motor RPM	'A' Headroom		B	C	E	G	H	L	Wt.(kg) Hook susp. 3m lift	Wt.(kg) with ET 3m lift
				Single	Dual					HOOK SUSP.	TROLLEY								
HC2+ 025NH	250	2M	M5	8		6	ONE	0.55	1500	550	560	200	200	280	32	300	250	40	75
HC2+ 025DH					8/2.6		ONE	0.55/0.18	1500/500	550	560			280	32	300	250	45	80
HC2+ 050NL				4			ONE	0.55	1500	550	560			280	32	300	250	40	75
HC2+ 050DL					4/1.3		ONE	0.55/0.18	1500/500	550	560			280	32	300	250	40	80
HC3+ 050NH				8			ONE	0.9	1500	550	560			280	32	300	250	55	90
HC3+ 050DH					8/2.6		ONE	0.85/0.3	1500/500	550	560			280	32	300	250	60	95
HC3+ 100NL	500	2M	M5	4		7	ONE	0.9	1500	550	560	200	200	280	32	300	250	55	90
HC3+ 100DL					4/1.3		ONE	0.85/0.3	1500/500	550	560			280	32	300	250	60	95
HC4+ 100NH				8			ONE	1.84	1500	600	625			350	32	450	380	90	125
HC4+ 100DH					8/2.6		ONE	1.7/0.6	1500/500	600	625			350	32	500	380	100	140
HC4+ 200NL				4			ONE	1.84	1500	600	625			350	38	450	380	90	135
HC4+ 200DL					4/1.3		ONE	1.7/0.6	1500/500	600	625			350	38	500	380	100	150
HC4+ 200NH	1000	2M	M5	8		10	ONE	3.5	1500	600	625	280	325	350	38	500	380	100	150
HC4+ 200DH					8/2.6		ONE	3.5/1.2	1500/500	600	625			350	38	500	380	100	150
HC4+ 250NL				4			ONE	2.2	1500	600	625			350	38	450	380	90	150
HC4+ 250DL					4/1.3		ONE	2.5/0.8	1500/500	600	625			350	38	600	380	110	170
HC5+ 300NL				4			TWO	3.5	1500	950	870			350	46	500	400	125	185
HC5+ 300DL					4/1.3		TWO	3.5/1.2	1500/500	950	870			350	46	600	400	160	200
HC6+ 500NL	5000	2M	M5	4		10	TWO	4.5	1500	1000	1100	800	800	53	500	400	170	250	280
HC6+ 500DL					4/1.3		TWO	4.5/1.5	1500/500	1000	1100			800	53	600	400	200	280

NOTE : Specification/Dimensions (mm)
All dimensions are in mm Tolerance ±10%
* 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 6.0m lift (2 Fall), 12m lift Single fall only.
** Dual speed Hoisting motion is through VVFD with speed Ratio 1:10.

Data tolerance ± 10%