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# **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**

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# **HERCULES HOISTS LIMITED**



# **Electric Chain Hoist** Model HC +

- Lifting
- Moving
- Storing

# **Compliant with (€ Certification Standards**



- ► 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

Redefining Material Handling. Since 1962.

# Material Handling. Delive

# 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.

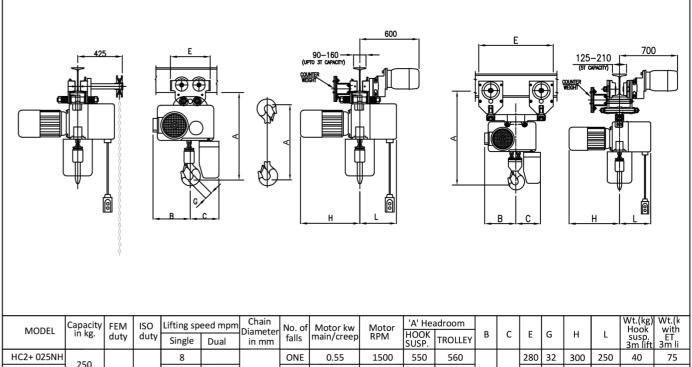
## **Control:**

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.





HC2+ 025NH	500	2M	M5	8		6	ONE	0.55	1500	550	560			280	32	300	250	40	75	ı
HC2+ 025DH					8/2.6		ONE	0.55/0.18	1500/500	550	560	200 20	t	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		200	280	32	300	250	40	80	
HC3+ 050NH				8		7	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	1000	2M	M5	4			ONE	0.9	1500	550	560		- H	280	32	300	250	55	90	ı
HC3+ 100DL					4/1.3		ONE	0.85/0.3	1500/500	550	560			280	32	300	250	60	95	
HC4+ 100NH				8		10	ONE	1.84	1500	600	625	280 325		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	ı
HC4+ 200NL	2000	2M	M5	4			ONE	1.84	1500	600	625			350	38	450	380	90	135	ı
HC4+ 200DL					4/1.3		ONE	1.7/0.6	1500/500	600	625			350	38	500	380	100	150	
HC4+ 200NH				8			ONE	3.5	1500	600	625			350	38	500	380	100	150	ı
HC4+ 200DH					8/2.6		ONE	3.5/1.2	1500/500	600	625		225	350	38	500	380	100	150	ı
HC4+ 250NL	2500	2M	M5	4			ONE	2.2	1500	600	625		323	350	38	450	380	90	150	ı
HC4+ 250DL					4/1.3		ONE	2.5/0.8	1500/500	600	625			350	38	600	380	110	170	ı
HC5+ 300NL	3000	2M	M5	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			TWO	4.5	1500	1000	1100			800	53	500	400	170	250	
HC6+ 500DL					4/1.3		TWO	4.5/1.5	1500/500	1000	1100			800	53	600	400	200	280	ı

Data tolerance ± 1

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.

Note :- Due to continuous development and improvement specification listed above may be changed without notice.