

CLF series / up to 2 t



New chain hoist series – **CLF** provides reliable lifting solution from 125 to 2 000kg for jib or overhead cranes. CLF series replaces our well-known CLN.

CLF key advantages:

- High quality European components
- Simple design
- Short delivery program
- Competitive prices for best-seller products

Reducer (Gear-box)

Totally enclosed and lubricated with permanent high performance oil. Gears are made from high strength steel. They are reliable and virtually no maintenance need during operation. Focus on market needs we reduced noise and vibration levels to satisfy our client expectations.

Lifting and traveling motor

The three-phase asynchronous electric motor with cylindrical rotor and disc brake is available in both single and dual speed type. Standard they are minimum IP55 protection, class F insulation and duty S3.

Chain guide & Chain sprocket

Precision calibrated chain guide, as option we offer upper and lower limit switch mount on this part. The chain sprocket for CLF and CLW is machined from one single metal slug, to ensure the long life and maintains free usage.

Overload protection

CLF clipping clutch working in oil bath with minimum resistance force. It is easy to adjust and prevents effective hoist overloading by operator also well protect the lifting motor. Readjustment needed after 20000 cycles motor

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Electrical control panel

Every hoist is equipped with high quality components mounted on a steel backing plate. Schneider contactors (low consumption coil) are used as standard. The panels are fully compatible and interchangeable with a range of CLF hoist models. Any special requirement (Radio control, Frequency controlled speed and other custom made solutions) can be ordered under request.

CLW series / up to 5 t



CLW series hoists are designed to lift loads from 2000 kg to 5000 kg in a production environment with a high duty cycle and proven reliability. The hoist body is completely manufactured completely from aluminium and steel with no plastic components.

Electric motor

- The three phase motor - single or dual speeds
- The insulation is class F
- FEM group 2m; ISO/AS M5
- Standard operating voltage's 230/400V, 3 phase, 50 Hz, other voltages available on request
- Hoist motor protection IP 55 (IP 65 upon request)
- The hoists 3000/4000/5000 have a standard fan assisted motor for better cooling and increased duty cycles

Reduction gear

The reduction gears are designed in such a way that the speed of the hoist can be changed simply by increasing or decreasing the number of components in the gearbox. The gears are manufactured from high tensile steel and are hardened and heat treated to give maximum life. With the correct choice of oil the hoist can work within the following temperature range -20°C to +50°C.

The Hoist brake -105V DC electromagnetic type, offers the following advantages:

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- high braking power
- very strong structure
- short release and engage time

The brake is manufactured from aluminum die-casting for good heat dissipation and fully encased in epoxy resin. The brake disk is manufactured from asbestos free material.

Overload protection:

The hoists are also equipped with a slipping clutch that is set to 120% of the working load limit to prevent accidental overloading.

FEM group: 2m; ISO/AS group: M5

Due to high quality electrical components and the reliable brake used PODEM guarantee the CLW series hoists for more than 240 operations per hour.

Safety:

CLW series hoists are standard supplied with upper and lower electric limit switches to prevent hook over travel and also to extend the life of the clutch and gearbox. Models type N (el. trolley) has direction limit switches to prevent the hoist being run into the girder end stops. Consist of two micro switches that operate on the auxiliary circuit of the contactors cutting out power in the direction of lifting or traveling.