



Depicted chain container optionally available.

### Option

- Stainless steel load chain (no reduction of working load limit).
- Robust chain container.
- Festooned cable systems.
- Low voltage control 48V.
- Manual and powered trolleys with clevis or shackle to fit top hook suspended chain hoists.

## Electric chain hoist model CPS with suspension hook

### Capacity 125 - 500 kg

The model CPS is the smallest and lightest within the family of Yale electric chain hoists. Reliability and compact design make it ideal for numerous applications in the construction industry, service companies and many industrial areas for moving small and medium loads.

### Features

- Classification 1 Am. As required the model CPS (with appropriate changes to lifting capacity resp. duty cycle) can also be rated up to higher classifications.
- The standard version comes with direct control.
- Two year warranty (excluding wear parts).
- Thermal overload protection as standard.
- Duty cycle 30% ED, resp. 25% ED.
- Safe hold of the load even in case of electric failure due to electromagnetic, spring pressure brake.
- Standard operating current:  
Euro-voltage 400V, 3-phase, 50 Hz.  
125 kg capacity also available for  
230V, single phase, 50 Hz.
- Motor protected to IP 54, against ingress of dust and water.
- Pendant control protected to IP 65, against ingress of dust and spray water.
- The overload protection (slip clutch) avoids overloading and extends the lifetime of the hoist.
- Robust aluminium housing, powder coated.
- Extremely low headroom.
- The standard case hardened and zinc-plated link chain is matched perfectly to the hoist and guarantees smooth and precise chain motion. All requirements of national and international standards and regulations are fulfilled.
- The 10-pocket load sheave ensures smooth running of the chain and minimizes chain wear.
- Forged suspension and load hooks, manufactured from non-aging, high alloy tempering steel, yield under overload instead of breaking.



## Electric chain hoist model YaleVeGo with suspension lug or with integrated trolley

*new!*

Capacities 125 - 2.000 kg

The new electric chain hoist model YaleVeGo combines modern design and technical innovation. A robust construction makes the series a versatile tool for professional applications. The **integrated limit switch** for the highest and lowest hook position considerably extends the working life span of the slip clutch, motor and gearbox.

### Features

- Classification 1 Am. As required (with appropriate changes to lifting capacity resp. duty cycle) the model YaleVeGo can also be re-classified up to 3 m.
- Main contactor as standard, for increased safety.
- 2 year warranty (excluding wear parts) and a lifetime lubricated gearbox.
- Thermal overload protection as standard for the whole range. Optimised housing for improved cooling.
- Duty cycle **50 % ED** for single speed.
- Electromagnetic spring pressure brake holds the load safely even in the event of power failure.
- The externally adjustable **slip clutch** is designed to guarantee a **permanent connection between the load and the brake**.
- Motor protected to **IP 55** (acc. to VDE 0530), against ingress of dust or water.
- Standard operating voltage: 400 V, 3-phase, 50 Hz, alternatively 460 V, 3-phase, 60 Hz. Single speed motors reconnectable to 230 V, 3-phase, 50 Hz.
- Increased operating safety through **42 V control voltage (low voltage control)** and an encapsulated pendant control to IP 65.
- Suspension lug for compact dimensions and easy integration in closed-eye constructions.
- Chain guide made of fibre coated polyamide for increased wear resistance.
- The standard, oil bath lubricated and case hardened gearbox has a helical gearing for **particularly smooth running** and enhanced lifetime.

**Festooned cable systems**  
see page 104-105

### Option

- Suspension hook
- Flexible chain container.
- Manual and electric trolleys.
- Festooned cable system.
- Stainless steel load chain.
- Remote control  
(in combination with integrated trolley).
- Other operating voltages



### Electric chain hoist model CPE with suspension hook or with integrated trolley

Capacity 1600 - 10000 kg

The CPE series is a range of high quality products for professional applications. They are highly efficient and engineered for a long working life. The hoists are composed of three main component parts which makes service easy and inexpensive.

#### Features

- Classification 1 Am, except models CPE(F) 20-8, CPE(F) 30-5 and CPE(F) 40-4 classification 1 Bm.
- The standard version comes with direct control.
- 2 year warranty (excluding wear parts) as well as a lifetime lubricated gear box.
- Motor fitted with a bimetallic thermal protection (useable in connection with optional low voltage control).
- Duty cycle 40 % at one operating speed.
- The heavy duty squirrel cage motor has an adjustable spring pressure brake that holds the load secure even in the event of a power failure.
- Motor protected to IP 54, insulation class F. Encapsulated pendant control protected to IP 65.
- Standard operating voltage: Euro-voltage 400 Volt, 3 phase, 50 Hz.
- The 5-pocket load chain sheave, manufactured from wear resistant case hardening steel, is matched perfectly to the load chain to guarantee smooth and precise chain motion.
- The assembly of component parts result in a low overall height (up to 3000 kg only one chain fall).
- The standard, oil bath lubricated planetary gearbox is particularly smooth running.
- Forged suspension and load hooks, manufactured from non-aging, high alloy tempering steel, yield under overload instead of breaking.
- The standard case hardened and zinc-plated link chain is matched perfectly to the load chain to guarantee smooth and precise chain motion. All requirements of national and international standards and regulations are fulfilled.

#### Option

- 42 V low voltage control.
- Flexible chain container.
- Limit switches for highest and lowest hook positions (in combination with low voltage control).
- Stainless steel load chain.
- Motor with stainless steel brake.
- Other operating voltages.
- Suspension hook rotated 90°.



**To ensure faultless operation the compressed air supply must be filtered and oiled.**

### Pneumatic chain hoist model CPA with suspension hook or with integrated trolley

Capacity 125 - 990 kg

The motors with integrated brake function are designed for continuous operation with an unlimited number of work and duty cycles. These units excel through their extremely quiet operation and robust aluminium housing. Low and easy maintenance due to reduced number of components. On account of its compact, lightweight design and low headroom the CPA is very handy and easy to carry.

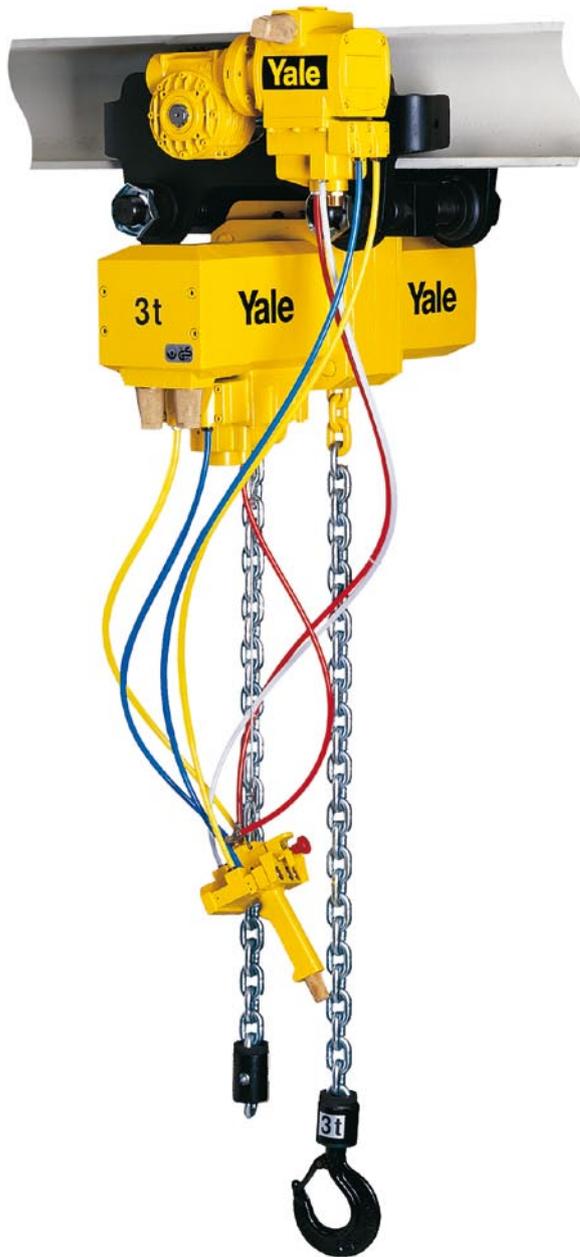
Automobile and aircraft industries, shipyards, on ships and docks. Foundries, on-/offshore, paint factories and paint shops, refineries, oil depots, galvanizing. Printing, textile and food industries, pulp, paper and cement mills. Glass and ceramic industries, wood working industries, chemical industries, heat treatment and power plants etc.

#### Features

- Operating pressure 6 bar.
- Suitable for operation in hazardous areas according to  $\text{Ex II 3 GD IIA T4}$ .
- Extremely sensitive direct control with emergency stop. Max. control drop 6 m.
- Chain containers up to 8 m lifting height are included as standard.
- Forged suspension and load hooks, manufactured from non-aging, high alloy tempering steel, yield under overload instead of breaking.
- The standard case hardened and zinc-plated link chain is matched perfectly to the load chain to guarantee smooth and precise chain motion. All requirements of national and international standards and regulations are fulfilled.

#### Option

- Manual trolleys for top hook suspension of pneumatic chain hoists.
- Pressure limiting valves to prevent unintentional overloading.
- Maintenance unit for main air supply pipe (pressure regulator, manometer, lubricator and support).



**To ensure faultless operation the compressed air supply must be filtered and oiled.**

### Pneumatic chain hoist model CPA with suspension hook or with integrated trolley

Capacity 2000 - 10000 kg

The conception is in accordance with the design of the model CPE. With 100 % duty rating and an unlimited number of starts the model CPA is suitable for heavy duty applications. It is insusceptible to contamination, humidity and aggressive mediums from the outside. The hoists are composed of three main components which makes service easy and inexpensive.

#### Features

- Robust rotating piston motor has an adjustable spring pressure brake that holds the load secure even in the event of an air failure.
- High starting torque due to switching valves in the motor body.
- Sensitive control by means of 2 resp. 4 button pendant control with emergency stop.
- Low noise emission due to large dimension silencer.
- Designed for operating pressures of 4 to 6 bar.
- The standard, oil bath lubricated planetary gearbox is particularly smooth running and enables a low overall height.
- The 5-pocket load chain sheave, manufactured from wear resistant case hardening steel, is matched perfectly to the load chain to guarantee smooth and precise chain motion.
- The replaceable chain guide is robust and precision machined.
- Forged suspension and load hooks, manufactured from non-aging, high alloy tempering steel, yield under overload instead of breaking.
- The standard case hardened and zinc-plated link chain is matched perfectly to the load chain to guarantee smooth and precise chain motion. All requirements of national and international standards and regulations are fulfilled.

#### Option

- Pneumatic trolleys
- Rope control
- Stainless steel load chain.



## Electric trolley model VTE-U

### Capacity 1000 - 5000 kg

Specially recommended for loads over 1000 kg, for transporting over long distances and/or when used frequently. Suitable for almost all hoists with suspension hook due to universal shackle connection. Travel motor with worm gear transmission ensures smooth start and self braking - a separate motor brake is not required.

### Features

- Standard operating voltage:  
Euro-voltage 400V, 3-phases, 50Hz.
- Compact, robust frame with low overall height.
- Motors protected to IP 55 against dust and spray water. Encapsulated pendant control to IP 65.
- Single speed motors can be reconnected to 230V.
- Wheels manufactured from fracture-proof steel. Smooth running due to machined surfaces and ball bearing mounting. Cambered profile suitable for parallel and inclined beam profiles.
- Anti-tilt and anti-drop devices as standard.
- Easy adjusted to fit to a wide range of beam widths and profiles due to threaded spindles.

### Option

- Low voltage control (42V).
- Rubber buffers



Wheel with cambered profile



Threaded spindle



Wheel fracture supports with option to fit buffers.



*patented!*

**Optionally available with corrosion resp. spark resistant features.**



Chain guide



The patented Yale brake system low noise and reduced wear.



High quality encapsulated ball bearings and sliding bushes for smooth and effortless operation.

## Hand chain hoist model Yalelift 360

Capacity 500 - 20000 kg

Areas of operation as well as operator conditions have been improved in trail-blazing fashion, which goes far beyond the classical hand chain hoist.

### Features

- The revolutionary 360° rotating hand chain guide allows the operator to work from virtually any position, in confined spaces or above the load. The Yalelift can even be operated from the side of the load which also makes it possible to use the hoist for horizontal pulling or tensioning. Due to the additional flexibility, the operator is no longer forced to work in the danger zone near the load.
- The new patented brake system is extremely quiet and guarantees operational safety and improved serviceability due to omission of the vulnerable ratchet pawls. All parts are made of high quality materials, additionally galvanised or yellow-chromated to increase corrosion prevention.
- The enclosed robust stamped steel housing protects all internal components even in the toughest conditions.
- Chain guide and gearbox are almost totally enclosed. Even under the toughest conditions the internal gearbox remains protected.
- The hardened load sheave with four precision machined pockets ensures accurate movement of the load chain.
- The extremely low headroom allows maximum use of the lifting height.
- The surface protected zinc-plated alloy steel load chains fulfil all requirements of current national and international standards and regulations.
- Drop forged load and suspension hooks that yield under overload instead of breaking, are made of high tensile steel and are standard for all Yale hoists. The hooks are fitted with robust safety latches and rotate 360°.

### Option

- Spark resistant features.
- Overload prevention device
- Chain container
- Corrosion resistant version.



Depicted rubber buffers optionally available.

**Optionally available with corrosion resp. spark resistant features.**

### Hand chain hoist with integrated push or geared type trolley model Yalelift IT

Capacity 500 - 10000 kg

The combination of the Yalelift 360 with a low headroom manual trolley provides even more flexibility in the application of the Yalelift 360.

#### Features

- All units of this series up to a capacity of 3000 kg are provided with single chain fall and the min. headroom (Dim. A) has been further reduced. Ideal for applications with low ceilings and limited headroom.
- The proven and almost stepless adjustment system allows quick and easy assembly of the trolley.
- Trolleys up to 5 t are offered for two beam ranges. Range A for a flange width up to 180 mm is standard and covers approx. 80 % of all requirements. Conversion to range B for beam width up to 300 mm can be easily accomplished.
- The trolley wheels are designed for a max. beam profile incline of 14 % (DIN 1025 - part 1), excellent rolling features are guaranteed by prelubricated, encapsulated ball bearings.
- Anti-tilt and anti-drop devices are standard.
- A subsequent conversion of a Yalelift 360 into a Yalelift IT with integrated trolley is easily possible at any time.

#### Option

- Spark resistant features.
- Overload prevention device
- Chain container
- Corrosion resistant version.
- Beam locking device to secure the unloaded trolley in a fixed position on the beam (park position e.g. on ships). Available up to a capacity of 5000 kg for a maximum of 3 m track height.



### Swivel truck low headroom trolley hoist model VLRP and model VLRG

Capacity 250 - 6000 kg

The hand chain hoist series VLR with integrated manual trolley drive features extremely low headroom capabilities and provides optimal usage of the available storage space in confined areas.

Hand wheel and gear case are positioned outside the reach of the bottom flange, thus allowing the bottom block to be raised almost until the underside of the beam. The swivel truck feature of the trolley suspension enables travelling on extremely short radius curves.

#### Features

- All-steel construction with zinc-plated load and hand chains.
- The integrated swivel truck trolley suspension permits application on runways with extremely narrow radii.
- All units are built to order for a predetermined beam dimension. They cannot be adjusted retroactively to other beam sizes.
- Anti-drop devices and anti-tilt devices are standard features.
- The rotating hand chain guide allows side-pull of the trolley hand chain in travel direction.

#### Option

- Rubber buffers available on request.
- Chain container
- Overload prevention device.

**!** Beam profile and dimension as well as curve radius must always be specified when ordering.