

## Electric chain hoists

### CPE



#### Electric chain hoist model CPE with suspension hook

Capacities 1.600 - 10.000 kg

#### Electric chain hoist model CPE with integral trolley

Capacities 1.600 - 10.000 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

- The standard, **oil bath lubricated planetary gearbox** is particularly smooth running and enables a **low overall height** (see dimension A in the dimension table on page 62).
- The standard version comes with direct control. Contactor control (42V) is optionally available.
- 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.
- Case hardened and zinc plated link chain.
- 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.
- The **motor** is designed **for high duty cycles**.
- **Motor** fitted **with** a bimetallic **thermal protection** (useable in connection with optional low voltage control).
- 400 or 230 V, 3-phase, 50 Hz - Euro-voltage, resp. 460 or 230 V, 3-phase 60 Hz.  
Versions with two speed trolley  
VTEF 400 V, 50 Hz resp. 460 V, 60 Hz.
- Motor protected to IP 54, Insulation class F

The units are certified by the employer's liability insurance association and fulfil the requirements of the machinery directive 98/37 EWG.

### Optional

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

## Twin hoist model CPE 100-2

Capacity 10.000 kg

The model CPE 100-2 consists of two CPE 50-2 units. They are connected by a framework. Hook suspension, geared or electric trolleys are available. Integral limit switches for highest and lowest hook positions are standard.



**Festooned cable systems**  
see page 68-69



#### 5-pocket load chain sheave

machined for smooth, precise chain motion



#### Universal connection

to suspension hook, trolley or steel structures



#### Double fall bottom block

for capacities up to 5t



#### Hoist connected directly to trolley

with electric drive. Manual pull and geared trolleys also available



#### Optional: Flexible chain container

made from wear resistant textile fabric

## Technical data

### CPE



Model	Capacity in kg/ chain falls	Chain dimensions d x p in mm	Lifting speed		Hoist motor kW	Motor rating ED %	Suspension hook kg	Net weight*		Electric** trolley kg
			Main lift m/min	Fine lift m/min				Push trolley kg	Geared trolley kg	
<b>CPE 16-8</b>	1600/1	11 x 31	8	–	2,3	40	88	150	154	164
<b>CPEF 16-8</b>	1600/1	11 x 31	8	2	2,3/0,58	40/20	93	155	159	169
<b>CPE 20-8</b>	2000/1	11 x 31	8	–	2,8	25	88	150	154	164
<b>CPEF 20-8</b>	2000/1	11 x 31	8	2	2,8/0,7	25/15	93	155	159	169
<b>CPE 25-5</b>	2500/1	11 x 31	5	–	2,3	40	88	150	154	164
<b>CPEF 25-5</b>	2500/1	11 x 31	5	1,25	2,3/0,58	40/20	93	155	159	169
<b>CPE 30-5</b>	3000/1	11 x 31	5	–	2,8	25	88	150	154	164
<b>CPEF 30-5</b>	3000/1	11 x 31	5	1,25	2,8/0,7	25/15	93	155	159	169
<b>CPE 32-4</b>	3200/2	11 x 31	4	–	2,3	40	107	169	173	182
<b>CPEF 32-4</b>	3200/2	11 x 31	4	1	2,3/0,58	40/20	112	174	178	187
<b>CPE 40-4</b>	4000/2	11 x 31	4	–	2,8	25	107	169	173	182
<b>CPEF 40-4</b>	4000/2	11 x 31	4	1	2,8/0,7	25/15	112	174	178	187
<b>CPE 50-2</b>	5000/2	11 x 31	2,5	–	2,3	40	107	169	173	182
<b>CPEF 50-2</b>	5000/2	11 x 31	2,5	0,6	2,3/0,58	40/20	112	174	178	187
<b>CPE 100-2</b>	10000/4	11 x 31	2,5	–	2 x 2,3	40	282	–	385	406
<b>CPEF 100-2</b>	10000/4	11 x 31	2,5	0,6	2 x 2,3/0,58	40/20	287	–	390	411

\*Weight for standard 3m lift. Other lifting heights on request.

\*\*Additional weight for 2 speed version 2,0 kg

Chain container for CPE 16-8 to CPEF 50-2: 13 resp. 21m chain, for CPE/CPEF 100-2: 2 x 21m chain

### Technical data trolleys

Capacity kg	Size	Flange width mm	Curve radius min. m	Electric trolley	
				Travel speed m/min at 50 Hz	Motor kW at 50 Hz
1600 - 5000	A	98 - 180	1,8	11 or 11/2,8	0,37 or 0,3/0,09
1600 - 5000	B	180 - 300	1,8	11 or 11/2,8	0,37 or 0,3/0,09
10000	B	125 - 310	1,8	5 or 5/1,25	0,55 or 0,55/0,12