



*High speed units up to 18 m/min available*

## Options

- Stainless steel load chain (no reduction of working load limit).
- Suspension hook
- Flexible chain container.
- Other operating voltages
- Counter for operating hours and number of starts.
- Radio remote control
- Control for synchronized operation of several hoists.
- Manual and electric trolleys.
- Connection to festooned cable systems
- Suspension for light crane systems.

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

Capacity 250 - 2000 kg

The electric chain hoist model CPV 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/M4. For 1-phase hoists: 1 Bm/M3. As required (with appropriate changes to lifting capacity resp. duty cycle) the model CPV can also be re-classified up to 3m/M6.
- Main contactor as standard, for increased safety.
- Increased operating safety through 42V control voltage (low voltage control), push-button pendant control, IP 65.
- 2 year warranty (excluding wear parts) and a lifetime lubricated gearbox.
- Duty cycle 50% ED for single speed.
- Electromagnetic spring pressure brake holds the load safely even in the event of power failure.
- Standard operating voltage: Euro-voltage 400V, 3-phase, 50 Hz.
- Motor protected to IP 55 (acc. to VDE 0530), against ingress of dust and water jets.
- The externally adjustable slip clutch is designed to guarantee a permanent connection between the load and the brake.
- The standard, oil bath lubricated and case hardened gearbox has a helical gearing for particularly smooth running and enhanced lifetime. Greased gearbox by CPV/F 2-8.
- Suspension lug for compact dimensions and easy integration in closed-eye constructions.
- Steel chain guide, model CPV/F 2-8 comes with chain guides made of POM.

## INFO

Also available as 230V, 1-phase, 50Hz (25% ED) version. Optionally available with electric trolley.

1-phase units are single speed only!  
High speed units (18m/min) are not available as 230V, 1-phase!

Festooned cable systems please see pages 140-141.

## Technical data model CPV/CPVF

Model	EAN-No. 4025092* 4053981**	Capacity in kg/ number of chain falls	Chain dimensions d x p  mm	Classification  FEM/ISO	Lifting speed <sup>4</sup> main lift	Lifting speed fine lift	Hoist motor  kW	Motor rating  ED %	Weight <sup>1</sup> suspension lug	Weight <sup>1</sup> push trolley <sup>2</sup>	Weight <sup>1</sup> electric trolley <sup>3</sup>
					m/min	m/min			kg	kg	kg
CPV 2-8	-	250/1	4 x 12.2	1Am/M4	8	-	0.37	50	on request	on request	on request
CPVF 2-8	**874067	250/1	4 x 12.2	1Am/M4	8	2	0.37/0.09	33/17	19	28	33
CPVF 2-18	*925341	250/1	5 x 15.1	1Am/M4	18	4.5	0.75/0.18	33/17	27	42	50
CPV 5-4	-	500/2	4 x 12.2	1Am/M4	4	-	0.37	50	on request	on request	on request
CPVF 5-4	**874074	500/2	4 x 12.2	1Am/M4	4	1	0.37/0.09	33/17	19	28	33
CPV 5-8	*173766	500/1	5 x 15.1	1Am/M4	8	-	0.75	50	26	41	49
CPVF 5-8	*173803	500/1	5 x 15.1	1Am/M4	8	2	0.75/0.18	33/17	27	42	50
CPVF 5-18	*303729	500/1	7.1 x 20.5	1Am/M4	18	4.5	1.5/0.37	33/17	59	78	85
CPV 10-4	*174473	1000/2	5 x 15.1	1Am/M4	4	-	0.75	50	28	43	51
CPVF10-4	*174725	1000/2	5 x 15.1	1Am/M4	4	1	0.75/0.18	33/17	29	44	52
CPV 10-8	*173797	1000/1	7.1 x 20.5	1Am/M4	8	-	1.5	50	58	77	84
CPVF10-8	*173780	1000/1	7.1 x 20.5	1Am/M4	8	2	1.5/0.37	33/17	59	78	85
CPV 20-4	*174480	2000/2	7.1 x 20.5	1Am/M4	4	-	1.5	50	63	82	89
CPVF 20-4	*174459	2000/2	7.1 x 20.5	1Am/M4	4	1	1.5/0.37	33/17	64	83	90

<sup>1</sup> Weight at standard lift (3 m). Other lifting heights on request.

<sup>2</sup> For trolleys type A and B: Additional weight for geared trolley (VTG): 2.5 kg

<sup>3</sup> For electric trolley (VTE) with 2 speeds +2.0 kg

<sup>4</sup> Lifting speed CPV 10-8 at 230 V, 1-phase, 50 Hz = 4 m/min

Lifting speed CPV 20-4 at 230 V, 1-phase, 50 Hz = 2 m/min

## INFO

Yale hoists and trolleys are not designed for passenger elevation applications and must not be used for this purpose.



Increased operating safety through 42 V control voltage



Externally adjustable slip clutch



Integrated limit switch



Depicted suspension hook and chain container optionally available.

Option: radio remote control

## Technical data trolleys

Suitable for model	Capacity  kg	Size	Beam flange width b mm	Beam flange thickness t max. mm	Curve radius min.  m	Electric trolley travel speed m/min at 50 Hz	Electric trolley motor kW at 50 Hz
CPV/CPVF 2-8 up to CPVF 5-4	500	A	58 - 180	12	0.9	11 or 18	0.09
CPV/CPVF 2-8 up to CPVF 5-4	500	B	180 - 300	19	0.9	18 or 18	0.09
CPV 5-8 up to CPVF 10-4	1000	A	58 - 180	19	0.9	18 or 18/4.5	0.18 or 0.18/0.06
CPV 5-8 up to CPVF 10-4	1000	B	180 - 300	19	0.9	18 or 18/4.5	0.18 or 0.18/0.06
CPV 10-8 up to CPVF 20-4	2000	A	58 - 180	19	1.15	18 or 18/4.5	0.18 or 0.18/0.06
CPV 10-8 up to CPVF 20-4	2000	B	180 - 300	19	1.15	18 or 18/4.5	0.18 or 0.18/0.06