

TECHNICAL DATA

CPV/CPVF - 400 V, 3-PHASE, 50 HZ

Capacity kg	Model	Art.-No.	Number of chain falls	Chain dimensions d x p mm	Classification FEM/ISO	Lifting speed		Hoist motor	Motor rating	Weight at standard lift (3 m) ¹		
						main lift	fine lift		ED %	suspension lug kg	push trolley ² kg	electric trolley ³ kg
m/min	m/min	kW										
125	CPV 2-8	192060164	1	4x12.2	3m/M6	8	–	0.37	75	17	26	31
125	CPVF 2-8	192060165	1	4x12.2	3m/M6	8	2	0.37/0.09	50/25	18	27	32
250	CPV 2-8	N06700562	1	4x12.2	1Am/M4	8	–	0.37	50	17	26	31
250	CPVF 2-8	N06700547	1	4x12.2	1Am/M4	8	2	0.37/0.09	33/17	18	27	32
250	CPVF 2-18	N06700479	1	5x15.1	1Am/M4	18	4.5	0.75/0.18	33/17	27	42	50
320	CPV 5-8	192060166	1	5x15.1	3m/M6	8	–	0.75	67	26	41	49
320	CPVF 5-8	192060167	1	5x15.1	3m/M6	8	2	0.75/0.18	45/22	27	42	50
500	CPV 5-4	N06700563	2	4x12.2	1Am/M4	4	–	0.37	50	20	29	34
500	CPVF 5-4	N06700548	2	4x12.2	1Am/M4	4	1	0.37/0.09	33/17	21	30	35
500	CPV 5-8	N06700016	1	5x15.1	1Am/M4	8	–	0.75	50	26	41	49
500	CPVF 5-8	N06700006	1	5x15.1	1Am/M4	8	2	0.75/0.18	33/17	27	42	50
500	CPVF 5-18	N06700481	1	7.1x20.5	1Am/M4	18	4.5	1.5/0.37	33/17	59	78	85
630	CPV 10-8	192060168	1	7.1x20.5	3m/M6	8	–	1.5	67	58	77	84
630	CPVF 10-8	192060169	1	7.1x20.5	3m/M6	8	2	1.5/0.37	45/22	59	78	85
1000	CPV 10-4	N06700017	2	5x15.1	1Am/M4	4	–	0.75	50	28	43	51
1000	CPVF 10-4	N06700009	2	5x15.1	1Am/M4	4	1	0.75/0.18	33/17	29	44	52
1000	CPV 10-8	N06700018	1	7.1x20.5	1Am/M4	8	–	1.5	50	58	77	84
1000	CPVF 10-8	N06700007	1	7.1x20.5	1Am/M4	8	2	1.5/0.37	33/17	59	78	85
1500	CPV 20-4	192060170	2	7.1x20.5	2m/M5	4	–	1.5	62	63	82	89
1500	CPVF 20-4	192060171	2	7.1x20.5	2m/M5	4	1	1.5/0.37	41/21	64	83	90
2000	CPV 20-4	N06700019	2	7.1x20.5	1Am/M4	4	–	1.5	50	63	82	89
2000	CPVF 20-4	N06700010	2	7.1x20.5	1Am/M4	4	1	1.5/0.37	33/17	64	83	90
2000	CPVF 25-8	192060172	1	11.3x31	1Am/M4	8	2	3.6/0.9	39/20	85	147	161
2500	CPVF 25-8	N06700607	1	11.3x31	1Am/M4	8	2	3.6/0.9	33/17	85	147	161
3200	CPVF 50-4	192060173	1	11.3x31	3m/M6	4	1	3.6/0.9	44/22	98	160	174
5000	CPVF 50-4	N06700608	2	11.3x31	1Am/M4	4	1	3.6/0.9	33/17	98	160	174

CPV - 230 V, 1-PHASE, 50 HZ

125	CPV 2-4	–	1	4x12.2	3m/M6	4	–	0.37	35
250	CPV 2-4	N06700593	1	4x12.2	1Bm/M3	4	–	0.37	25
500	CPV 5-2	N06700594	2	4x12.2	1Bm/M3	2	–	0.37	25
500	CPV 5-8	N06700205	1	5x15.1	1Bm/M3	8	–	1.0	25
1000	CPV 10-4	N06700206	2	5x15.1	1Bm/M3	4	–	1.0	25
1000	CPV 10-4/1	N06700207	1	7.1x20.5	1Bm/M3	4	–	0.75	25
2000	CPV 20-2	N06700208	2	7.1x20.5	1Bm/M3	2	–	0.75	25

¹ Other lifting heights on request. ² For trolleys type A and B: Additional weight for geared trolley (VTG): 2.5 kg

³ For electric trolley (VTE) with 2 speeds +2.0 kg

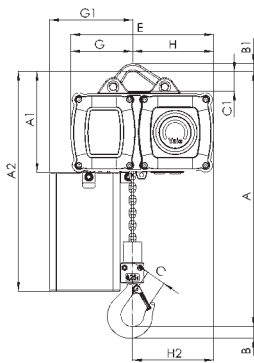
TROLLEY

Suitable for model	All trolleys					Electric trolley	
	Capacity of the trolley kg	Size	Beam flange width b mm	Beam flange thickness t max. mm	Curve radius min. m	travel speed m/min at 50 Hz	motor kW at 50 Hz
CPV/CPVF 2-8/5-4, CPV 2-4/5-2	500	A	58 - 180	19	0.9	11 or 18	0.09
CPV/CPVF 2-8/5-4, CPV 2-4/5-2	500	B	180 - 300	19	0.9	11 or 18	0.09
CPV/CPVF 5-8/10-4, CPVF 2-18	1000	A	58 - 180	19	0.9	18 or 18/4.5	0.18 or 0.18/0.06
CPV/CPVF 5-8/10-4, CPVF 2-18	1000	B	180 - 300	19	0.9	18 or 18/4.5	0.18 or 0.18/0.06
CPV/CPVF 10-8/20-4, CPVF 5-18, CPV 10-4/1, 20-2	2000	A	58 - 180	19	1.15	18 or 18/4.5	0.18 or 0.18/0.06
CPV/CPVF 10-8/20-4, CPVF 5-18, CPV 10-4/1, 20-2	2000	B	180 - 300	19	1.15	18 or 18/4.5	0.18 or 0.18/0.06
CPVF 25-8/50-4	5000	A	98 - 180	27	2.0	11 or 11/2.8	0.37 or 0.3/0.09
CPVF 25-8/50-4	5000	B	180 - 300	27	1.8	11 or 11/2.8	0.37 or 0.3/0.09

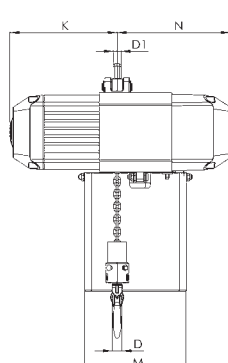
DIMENSIONS CPV/CPVF

Model	CPV/CPVF 2-8 CPV 2-4	CPV/CPVF 5-4 CPV 5-2	CPVF 2-18 CPV/CPVF 5-8	CPV/CPVF 10-4	CPVF 5-18 CPV/CPVF 10-8 CPV 10-4/1	CPV/CPVF 20-4 CPV 20-2	CPVF 25-8	CPVF 50-4
A, mm	327	363	357	430	431	528	514	658
A1, mm	163	163	196	196	234	234	288	288
A2 (size I), mm	343	343	476	476	564	564	580	580
A2 (size II), mm	413	413	526	526	644	644	764	764
A2 (size III), mm	483	483	606	606	734	734	854	854
A2 (size IV), mm	553	553	798	798	934	934	–	–
B, mm	23	23	22	29	29	37	37	37
B1, mm	12	12	15	15	20	20	33	33
C, mm	30	30	29	35	35	40	46	46
C1, mm	30	30	38	38	45	45	71	71
C2, mm	105	105	105	105	154	154	194	194
D, mm	16	16	15	21	21	26	35	35
D1, mm	12	12	15	15	15	15	25	25
E, mm	205	205	277	277	326	326	409	409
G, mm	106	126	120	144	140	173	179	179
G1 (size I), mm	124	124	142	166	175	208	264	264
G1 (size II), mm	124	124	162	186	175	208	264	264
G1 (size III), mm	124	124	162	186	175	208	265	265
G1 (size IV), mm	124	124	162	186	175	208	–	–
H, mm	99	79	157	133	186	154	230	230
H2, mm	92	72	158	158	186	186	230	180
K, mm	215	215	208	208	285	285	335	335
M (size I), mm	157	157	162	162	209	209	300	300
M (size II), mm	157	157	197	197	209	209	300	300
M (size III), mm	157	157	197	197	209	209	301	301
M (size IV), mm	157	157	197	197	209	209	–	–
N ¹ , mm	159	159	219	219	274	274	299	299

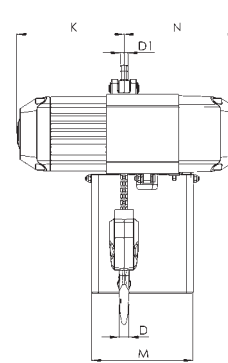
¹ for 230V, 1-phase, 50 Hz: ca. +35 mm



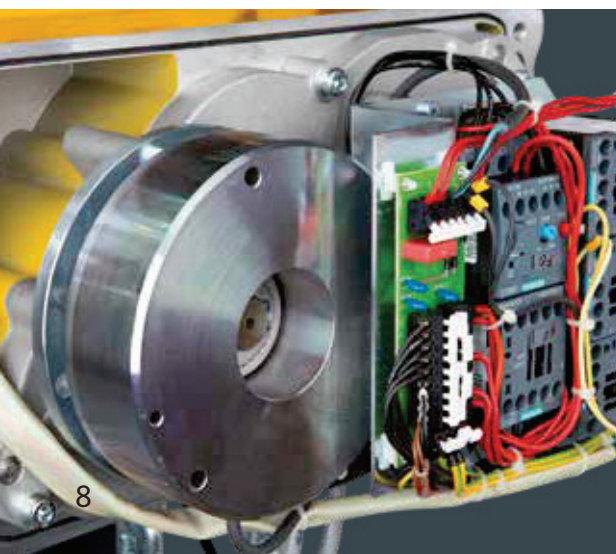
CPV/CPVF
with suspension lug, 125 - 2500 kg, single fall



CPV/CPVF
with suspension lug, 500 - 5000 kg, double fall



CPV/CPVF
with suspension hook,
125 - 2500 kg



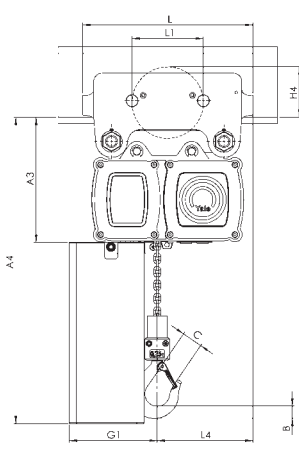
ELECTROMAGNETIC BRAKE

The braking torque is applied by the pressure springs and thus the brake is normally-closed, holding the load safely event in the event of power failure. As the brake is located inside the load force flow, the hoist meets higher safety requirements for applications like e.g. holding stationary loads above persons (see page 10).

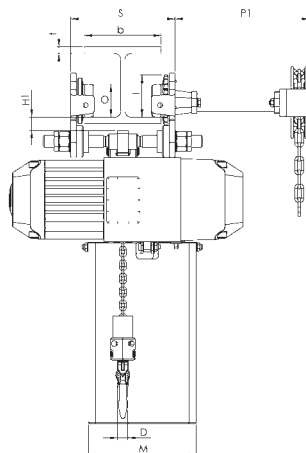
The brake is maintenance-free und must only undergo general function tests and a gap check during periodic inspections.

DIMENSIONS CPV/CPVF

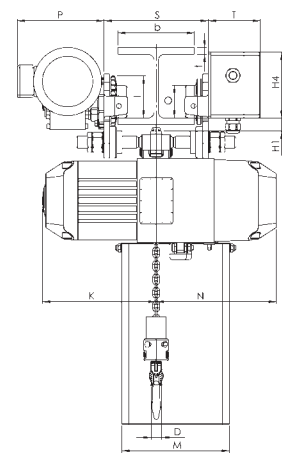
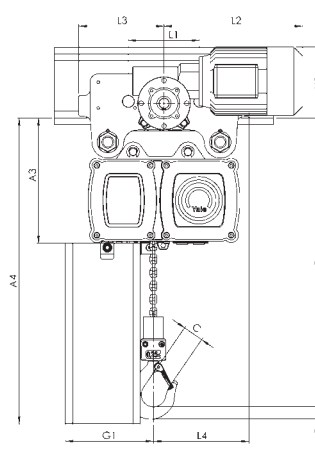
Model	CPV/CPVF 2-8 CPV 2-4	CPV/CPVF 5-4 CPV 5-2	CPVF 2-18 CPV/CPVF 5-8	CPV/CPVF 10-4	CPVF 5-18 CPV/CPVF 10-8 CPV 10-4/1	CPV/CPVF 20-4 CPV 20-2	CPVF 25-8	CPVF 50-4
A3, mm	199	199	228	228	263	263	339	339
A4 (size I), mm	379	379	508	508	593	593	631	631
A4 (size II), mm	449	449	558	558	673	673	815	815
A4 (size III), mm	519	519	638	638	768	768	905	905
A4 (size IV), mm	589	589	830	830	968	968	–	–
A5, mm	365	401	389	462	460	558	566	656
b, mm	A = 58 - 180 B = 180 - 300	A = 58 - 180 B = 180 - 300	A = 58 - 180 B = 180 - 300	A = 58 - 180 B = 180 - 300	A = 58 - 180 B = 180 - 300	A = 58 - 180 B = 180 - 300	A = 98 - 180 B = 180 - 300	A = 98 - 180 B = 180 - 300
H1, mm	25	25	24	24	23	23	30	30
H3, mm	113	113	129	129	129	129	178	178
H4 (VTG), mm	95	95	95	95	95	95	149	149
H4 (VTE), mm	142	142	142	142	142	142	121	121
I (push trolley), mm	72	72	72	72	96	96	142	142
I (geared trolley), mm	76	76	77	77	98	98	149	149
L (VTP/VTG), mm	310	310	310	310	360	360	525	525
L1, mm	130	130	130	130	150	150	209	209
L2 (VTE), mm	255	255	255	255	255	255	292	292
L2 (VTEF), mm	222	222	263	263	263	263	296	296
L3, mm	135	135	155	155	180	180	263	263
L4, mm	131	111	173	161	203	203	258	208
O, mm	60	60	60	60	80	80	125	125
P, mm	171	171	180	180	180	180	172	172
P1, mm	236	236	246	246	246	246	233	233
S, mm	b + 50	b + 50	b + 50	b + 50	b + 54	b + 54	b + 70	b + 70
T, mm	94	94	94	94	94	94	94	94
tmax., mm	12	12	19	19	19	19	27	27



CPV/CPVF
with integrated manual push or geared trolley



CPV/CPVF
with integrated electric trolley



EASY MAINTENANCE AND INSPECTION

The CPV is an easy-to-maintain hoist, designed with a modular structure with all critical parts easily accessible. Re-adjusting the slip clutch and inspecting the brake is simple and time-saving. The access to the electrical parts is quick and easy as well.

