



Pneumatic chain hoist model CPA ATEX

Capacity 125 - 980 kg

Pneumatic chain hoists are characterized by high durability in a great number of industrial applications. The robust housing allows an easy transport.

Features

- Working pressures 5-7 bar
- Rotating piston motor with 100 % duty rating and an unlimited number of starts for continuous operation.
- Integrated limit switches for highest and lowest hook position as standard.
- Self-adjusting automatic disc brake
- Extremely sensitive control with emergency-stop for a precise positioning of the load.
- Air release for brake as standard for models CPA 2-31, CPA 5-17 and CPA 10-9

Options

- Manual and powered trolleys with shackle to fit top hook suspended pneumatic chain hoists.
- All models available with push or geared trolley.
- Models CPA 2-31 and CPA 5-17 also available for operation in hazardous areas, category 2 (Zone 1/21).
- Models CPA 2-31, CPA 5-17 and CPA 10-9 also available with chain control.
- Maintenance unit for main air supply pipe (pressure regulator, manometer, lubricator and support).
- Chain container

Applications

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.

INFO

Also suitable for operation with nitrogen.

MEDIUM (Zone 1), only possible for model
CPA ATEX 2-31 and CPA ATEX 5-17.

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

Technical data model CPA ATEX BASIC II 3 GD c IIB T4

Model	EAN-No. 4025092*	Capacity in kg/ number of chain falls	Lifting speed with rated load ¹ m/min.	Lifting speed without load ¹ m/min.	Lowering speed with rated load ¹ m/min.	Air consumption with rated load ¹ m³/min.	Hoist motor kW	Weight at 3 m lift kg
CPA ATEX 1-13	*911795	125/1	13.1	17.1	11.3	0.9	0.4	15.4
CPA ATEX 2-10	*911788	250/1	9.8	17.1	13.7	0.9	0.4	15.4
CPA ATEX 2-31	*911801	250/1	31.0	52.0	36.0	1.98	1.33	21.8
CPA ATEX 5-5	*911818	500/2	4.6	7.9	6.7	0.9	0.4	17.2
CPA ATEX 5-17	*911825	500/1	16.8	32.3	29.6	1.27	1.33	21.8
CPA ATEX 10-9	*911832	980/2	8.5	16.2	14.9	1.27	1.33	27.7

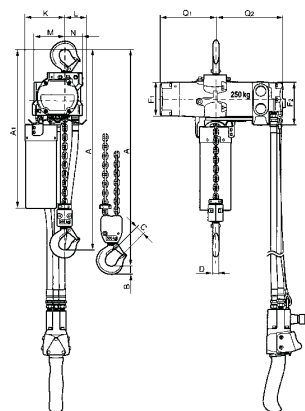
¹ Values for 6.3 bar (flow pressure) and 2 m control drop. Speeds will be reduced in case of longer control length.

Model CPA 1-13, CPA 2-10 and CPA 5-5 max. hose length 12 m, air supply 3/8" NPT

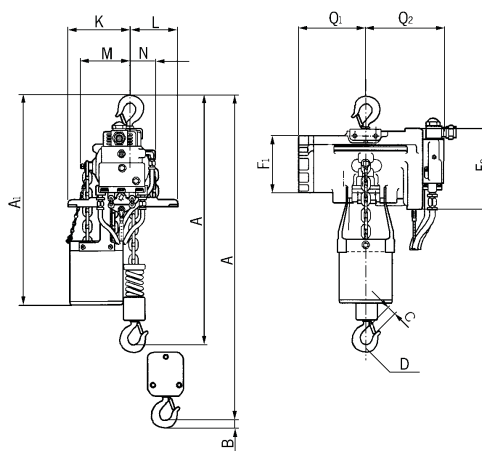
Model CPA 2-31, CPA 5-17 and CPA 10-9 max. hose length 20 m, air supply 1/2" NPT.

Dimensions model CPA ATEX

Model	CPA ATEX 1-13	CPA ATEX 2-10	CPA ATEX 2-31	CPA ATEX 5-5	CPA ATEX 5-17	CPA ATEX 10-9
A, mm	292	292	457	324	457	457
A1, mm	410	410	483	410	483	508
B, mm	21	21	25	14	25	27
C, mm	20	20	24	24	24	28
D, mm	16	16	26	14	26	28
F1, mm	90	90	130	90	130	130
F2, mm	120	120	180	120	180	180
K, mm	103	103	146	103	146	165
L, mm	57	57	102	57	102	83
M, mm	120	120	114	120	114	135
N, mm	50	50	54	50	54	25
Q1, mm	142	142	162	142	162	162
Q2, mm	183	183	181	183	181	181



Model CPA ATEX 1-13 / 2-10 / 5-5



Model CPA ATEX 2-31 / 5-17 / 10-9



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

Capacity 2000 - 10000 kg

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

- Working pressures 4-6 bar.
- Robust rotating piston motor has an adjustable spring pressure brake that holds the load secure even in the event of an air failure.
- The standard, oil bath lubricated planetary gearbox is particularly smooth running and enables a low overall height.
- High starting torque due to switching valves in the motor body.
- Low noise emission due to large dimension silencer.
- Sensitive control by means of 2 resp. 4 button pendant control with emergency stop.
- The assembly of component parts result in a low overall height (up to 3000 kg only one chain fall).
- 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.
- Drop forged suspension and load hooks are made from non-aging, high tensile steel and fitted with robust safety latches.
- 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.
- Copper-coated suspension and load hooks for MEDIUM design or higher.
- Stainless steel load chain for HIGH design.

Options

- Trolley for suspension hook version or integrated trolleys for all three designs (BASIC, MEDIUM, HIGH).
- Rope control
- Limit switch
- Chain container

Technical data model CPA ATEX BASIC II 3 GD c IIB T4 / II 2 GD c IIA T4

Model	EAN-No. 4025092*	Capacity in kg/ number of chain falls	Lifting speed with rated load ¹ m/min	Lifting speed without load ¹ m/min	Lowering speed with rated load ¹ m/min	Hoist motor	Weight ² suspension hook	Weight ² push trolley	Weight ² geared trolley	Weight ² pneumatic trolley
						kW	kg	kg	kg	kg
CPA ATEX 20-8	*377942	2000/1	7.4	9.9	11.0	2.6	121	184	188	199
CPA ATEX 30-6	*377959	3000/1	6.0	9.9	13.0	3.2	121	184	188	199
CPA ATEX 40-4	*377966	4000/2	3.7	5.0	5.5	2.6	140	202	206	218
CPA ATEX 50-3	*377973	5000/2	3.4	5.0	6.0	3.0	140	202	206	218
CPA ATEX 75-2	*377980	7500/3	2.0	3.3	4.3	3.2	–	–	–	–
CPA ATEX 100-3	*377997	10000/4	3.4	5.0	6.0	2 x 3.0	–	–	–	–

Technical data model CPA ATEX MEDIUM II 2 GD c IIB T4

Model	EAN-No. 4025092*	Capacity in kg/ number of chain falls	Lifting speed with rated load ¹ m/min	Lifting speed without load ¹ m/min	Lowering speed with rated load ¹ m/min	Hoist motor	Weight ² suspension hook	Weight ² push trolley	Weight ² geared trolley	Weight ² pneumatic trolley
						kW	kg	kg	kg	kg
CPA ATEX 20-8	*393690	2000/1	7.4	9.9	11.0	2.6	121	184	188	199
CPA ATEX 30-6	*409438	3000/1	6.0	9.9	13.0	3.2	121	184	188	199
CPA ATEX 40-4	*409469	4000/2	3.7	5.0	5.5	2.6	140	202	206	218
CPA ATEX 50-3	*409483	5000/2	3.4	5.0	6.0	3.0	140	202	206	218
CPA ATEX 75-2	*410175	7500/3	2.0	3.3	4.3	3.2	–	–	–	–
CPA ATEX 100-3	*409520	10000/4	3.4	5.0	6.0	2 x 3.0	–	–	–	–

Technical data model CPA ATEX HIGH II 2 GD c IIC T4

Model	EAN-No. 4025092*	Capacity ³ in kg/ number of chain falls	Lifting speed with rated load ¹ m/min	Lifting speed without load ¹ m/min	Lowering speed with rated load ¹ m/min	Hoist motor	Weight ² suspension hook	Weight ² push trolley	Weight ² geared trolley	Weight ² pneumatic trolley
						kW	kg	kg	kg	kg
CPA ATEX 20-8	*409872	2000/1	7.4	9.9	11.0	2.6	121	184	188	199
CPA ATEX 40-4	*409995	4000/2	3.7	5.0	5.5	2.6	140	202	206	218
CPA ATEX 75-2	*410045	6000/3	2.0	3.3	4.3	3.2	–	–	–	–
CPA ATEX 100-3	*409926	8000/4	3.4	5.0	6.0	2 x 3.0	–	–	–	–

¹ Values for 6 bar (flow pressure), air consumption with rated load 4.7 m³/min. For CPA 100-2: 9.4 m³/min.

² Weight for standard 3 m lift. Other lifting heights on request.

³ Models in HIGH design are already labelled with reduced capacities when delivered.

INFO

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

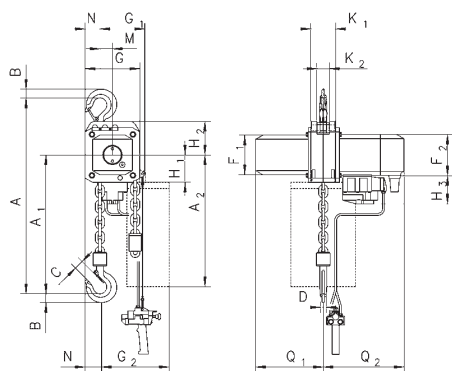
Technical data trolleys

Capacity	Size	Beam flange width b	Beam flange thickness t max.	Curve radius min.	Pneumatic trolley travel speed	Pneumatic trolley motor
kg		mm	mm	m	m/min	kW
2000 - 6000	A	98 - 180	27	2.0	18	0.55
2000 - 6000	B	180 - 300	27	1.8	18	0.55
7500 - 10000	B	125 - 310	40	1.8	–	–

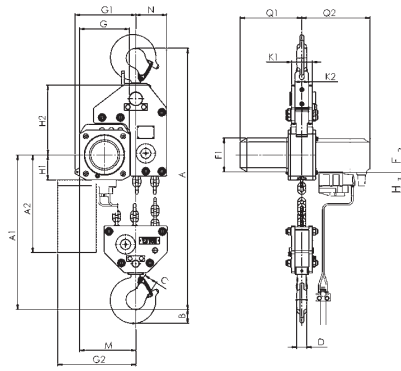
Flow pressure 6 bar, air consumption with rated load 0.75 m³/min.

Dimensions model CPA ATEX

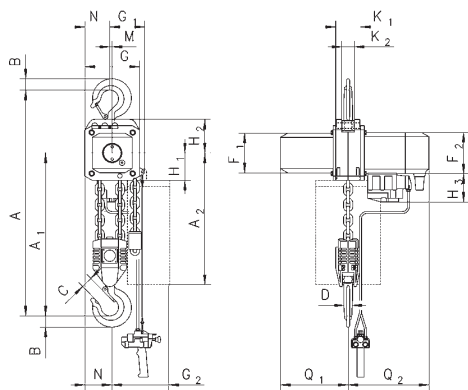
Model	CPA ATEX 20-8	CPA ATEX 30-6	CPA ATEX 40-4	CPA ATEX 50-3	CPA ATEX 75-2	CPA ATEX 100-3
A, mm	516	516	681	681	950	1.068
A1, mm	286	286	428	428	479	651
B, mm	35	35	45	45	60	60
C, mm	37	37	46	46	52	52
D, mm	24	24	30	30	40/45	40/45
F1, mm	160	160	160	160	160	160
F2, mm	165	165	165	165	165	165
G, mm	220	220	220	220	220	581
G1, mm	180	180	140	140	268	311
G2 (13 m), mm	258	258	218	218	—	—
G2 (21 m), mm	278	278	238	238	345	408
H1, mm	110	110	110	110	110	110
H2, mm	135	135	135	135	307	256
H3, mm	115	115	115	115	115	115
K1, mm	100	100	100	100	92	92
K2, mm	51	51	51	51	62	62
M, mm	50	50	9,6	9,6	139	181
N, mm	60	60	100	100	136	291
Q1, mm	272	272	272	272	272	272
Q2, mm	325	325	325	325	325	325



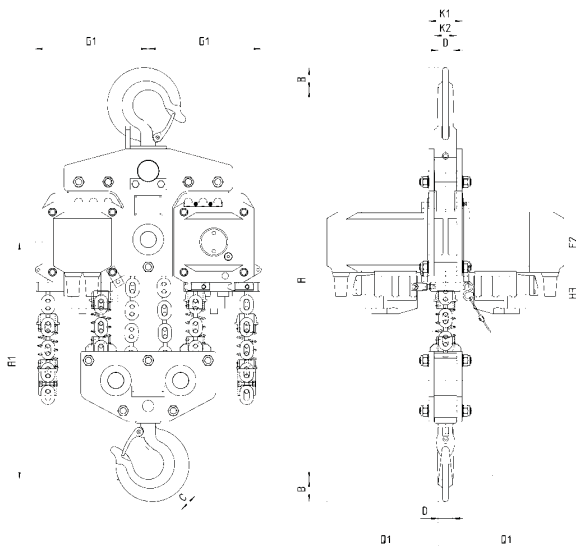
Model CPA ATEX with suspension hook, 2000 - 3000 kg, single fall



Model CPA ATEX with suspension hook, 7500 kg, three fall



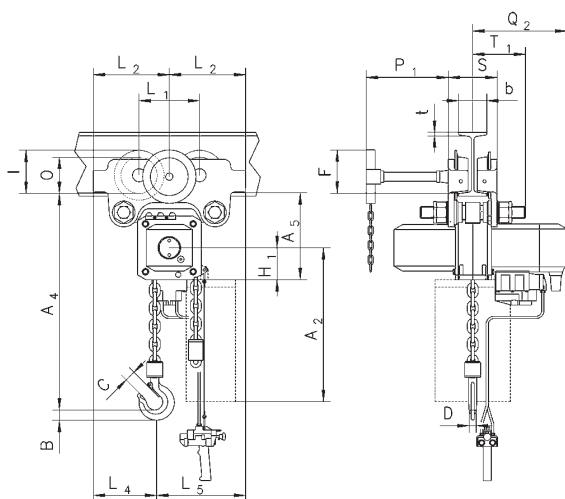
Model CPA ATEX with suspension hook, 4000 - 5000 kg, double fall



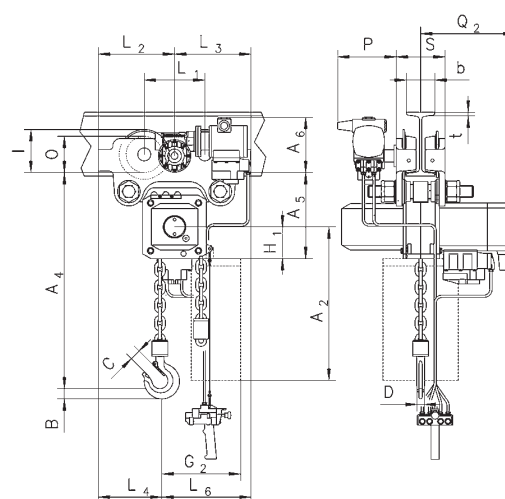
Model CPA ATEX with suspension hook, 10000 kg, four fall

Dimensions model CPA ATEX

Model	CPA ATEX 20-8	CPA ATEX 30-6	CPA ATEX 40-4	CPA ATEX 50-3	CPA ATEX 75-2	CPA ATEX 100-3
A2 (13 m), mm	430	430	430	430	-	-
A2 (21 m), mm	530	530	530	530	530	530
A4, mm	465	465	615	615	855	965
A5, mm	298	298	298	298	477	425
A6, mm	190	190	190	190	182	182
b, mm	A = 98 - 180/ B = 180 - 300	A = 98 - 180/ B = 180 - 300	A = 98 - 180/ B = 180 - 300	A = 98 - 180/ B = 180 - 300	125 - 310	125 - 310
F, mm	150	150	150	150	113	113
I, mm	142.5	142.5	142.5	142.5	130	130
L1, mm	209	209	209	209	200	200
L2, mm	262.5	262.5	262.5	262.5	215	215
L3, mm	265	265	265	265	265	265
L4, mm	213	213	253	253	291	291
L5, mm	312	312	272	272	-	-
L6, mm	315	315	275	275	-	-
O, mm	125	125	125	125	150	150
P, mm	208	208	208	208	208	208
P1, mm	284	284	284	284	284	284
S, mm	b + 70	b + 70	b + 70	b + 70	b + 98	b + 98
t, mm	27	27	27	27	40	40
T1 size A	182	182	182	182	-	-
T1 size B	242	242	242	242	270	270



Model CPA ATEX with integrated manual push or geared trolley



Model CPA ATEX with integrated pneumatic trolley