



Image shows
BASIC design

Image shows
MEDIUM design
incl. rope control

Options

- Trolley for suspension hook version or integrated trolleys for all three designs (MINING / BASIC, MEDIUM, HIGH).
- Rope control
- Limit switch
- Chain container
- Maintenance unit, consisting of pressure regulator, pressure gauge, lubricator and holder
- Mobile maintenance unit
- Additional coating (see pages 52-53)

CPA ATEX 20-8 up to 100-3 Pneumatic chain hoist with suspension hook or with integrated trolley

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.
- 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.

INFO

Pneumatic chain hoist CPA ATEX HIGH on request!

Technical data CPA ATEX 20-8 up to 100-3 MINING I M2 Ex h Mb / BASIC II 3G Ex h IIA T4 Gc / II 3D Ex h IIIA T135 °C Dc

Model	Art.-No.	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 kW	Weight ² suspension hook kg	Weight ² geared trolley kg	Weight ² pneumatic trolley kg
CPA ATEX 20-8	N08505001	2000/1	7.4	9.9	11.0	2.6	121	188	199
CPA ATEX 30-6	N08505002	3000/1	6.0	9.9	13.0	3.2	121	188	199
CPA ATEX 50-3	N08505004	5000/2	3.4	5.0	6.0	3.0	140	206	218
CPA ATEX 60-3	192069175	6000/2	3.0	5.0	6.5	3.2	140	206	218
CPA ATEX 75-2	N08505005	7500/3	2.0	3.3	4.3	3.2	on request	on request	on request
CPA ATEX 100-3	N08505006	10000/4	3.4	5.0	6.0	2 x 3.0	on request	on request	on request

Technical data CPA ATEX 20-8 up to 100-3 MEDIUM II 2G Ex h IIB T4 Gb / II 2D Ex h IIIB T135 °C Db

Model	Art.-No.	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 kW	Weight ² suspension hook kg	Weight ² geared trolley kg	Weight ² pneumatic trolley kg
CPA ATEX 20-8	N08505023	2000/1	7.4	9.9	11.0	2.6	121	188	199
CPA ATEX 30-6	N08505024	3000/1	6.0	9.9	13.0	3.2	121	188	199
CPA ATEX 50-3	N08505026	5000/2	3.4	5.0	6.0	3.0	140	206	218
CPA ATEX 60-3	192069176	6000/2	3.0	5.0	6.5	3.2	140	206	218
CPA ATEX 75-2	N08505027	7500/3	2.0	3.3	4.3	3.2	on request	on request	on request
CPA ATEX 100-3	N08505028	10000/4	3.4	5.0	6.0	2 x 3.0	on request	on request	on request

¹ Values at 6 bar flow pressure and 2 m control hose. Air consumption at nominal load 4.7 m³/min. For CPA 100-3 = 9.4 m³/min, air connection R1".

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

Quick exhaust valves are installed from 11 m upwards, max. hose length 20 m.

INFO

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

Also suitable for operation with nitrogen.

Where no maintenance unit can be installed permanently, it is recommended to work with a mobile maintenance unit.



Mobile maintenance unit

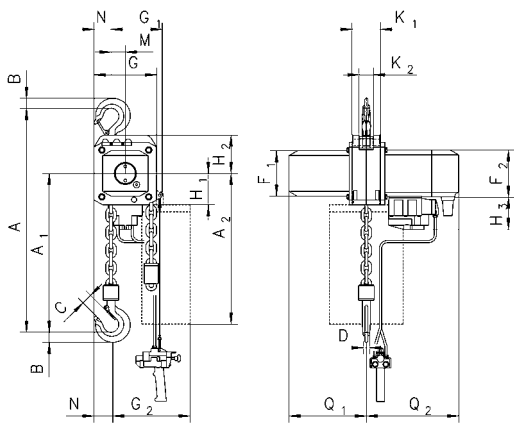
Technical data trolleys

Capacity kg	Size	Beam flange width b mm	Beam flange thickness t max. mm	Curve radius min. m	Pneumatic trolley travel speed m/min	Pneumatic trolley motor 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	-	-

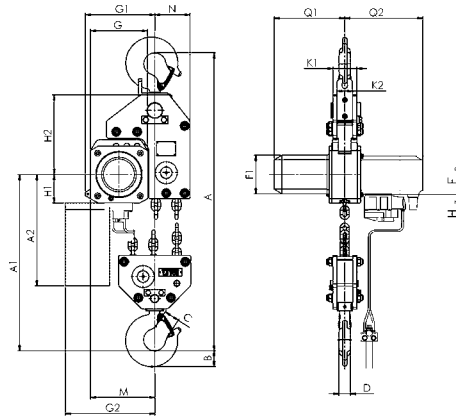
Flow pressure 6 bar, air consumption with rated load 0.75 m³/min, air connection R½".

Dimensions CPA ATEX 20-8 up to 100-3

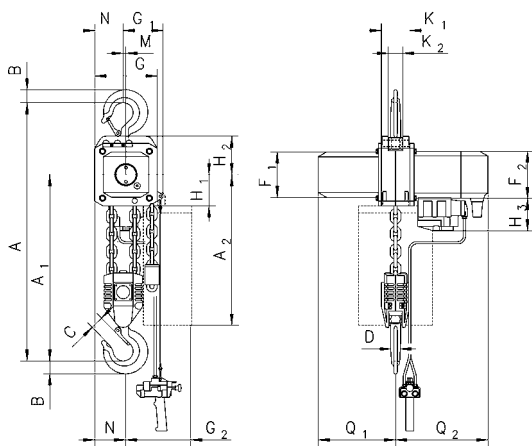
Model	CPA ATEX 20-8	CPA ATEX 30-6	CPA ATEX 50-3	CPA ATEX 60-3	CPA ATEX 75-2	CPA ATEX 100-3
A, mm	516	516	681	681	950	1068
A1, mm	286	286	428	428	479	651
B, mm	35	35	45	49	60	60
C, mm	37	37	46	44	52	52
D, mm	24	24	30	30	40/45	40/45
F1, mm	160	160	160	160	160	160
F2, mm	165	165	165	165	165	165
G, mm	220	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



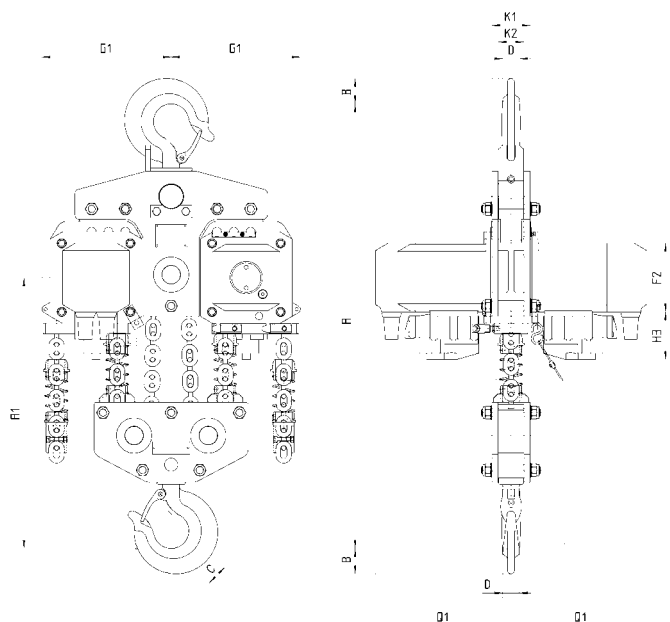
CPA ATEX with suspension hook, 2000 - 3000 kg, single fall



CPA ATEX with suspension hook, 7500 kg, three chain falls



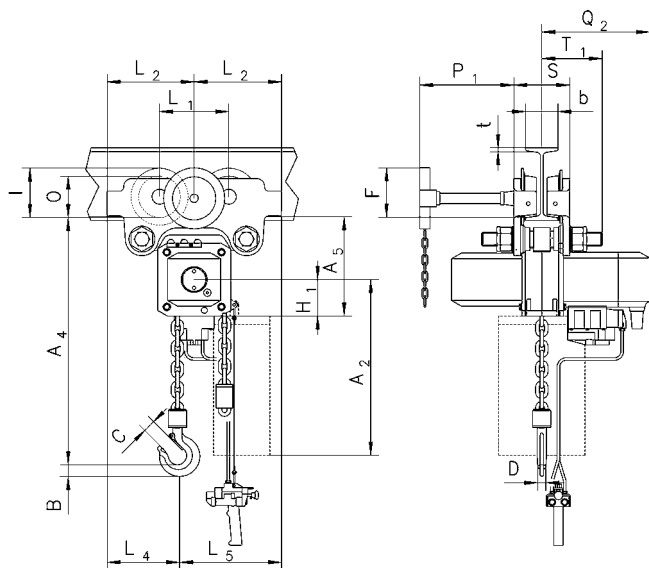
CPA ATEX with suspension hook, 4000 - 5000 kg, double fall



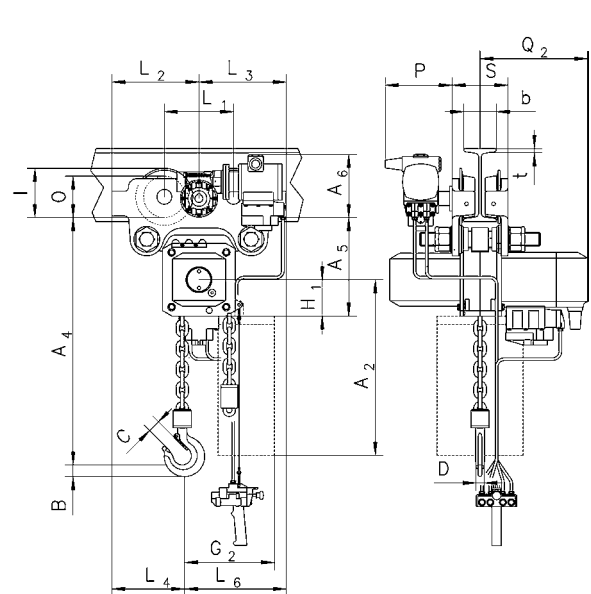
CPA ATEX with suspension hook, 10000 kg, four chain falls

Dimensions CPA ATEX 20-8 up to 100-3

Model	CPA ATEX 20-8	CPA ATEX 30-6	CPA ATEX 50-3	CPA ATEX 60-3	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
l, 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



CPA ATEX with integrated manual geared trolley



CPA ATEX with integrated pneumatic trolley