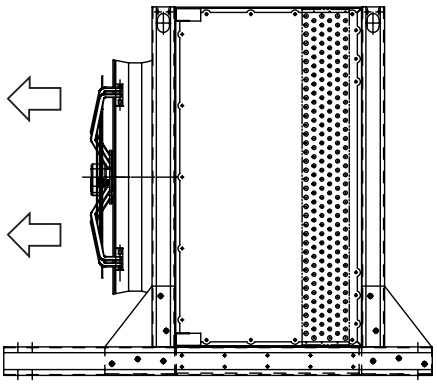
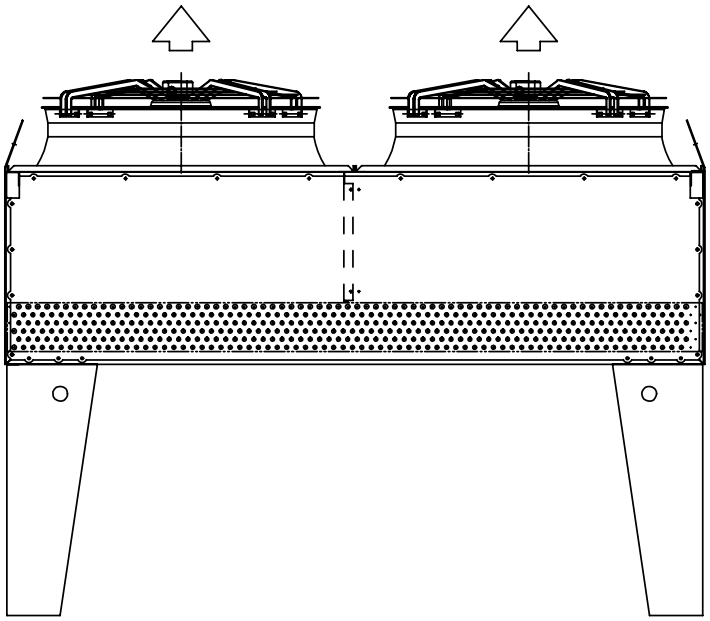
Montageanleitung

GEA Küba Red Line

Condensers & Dry Coolers





GEA Küba CAH, GAH, NAH (08-10)

GEA Küba CAV, GAV, NAV (08-10)

Montageanleitung
Seite 2-10

- Abmessungen
- Gewichte
- Montage

Elektrische Verdrahtung
Seite 11-14

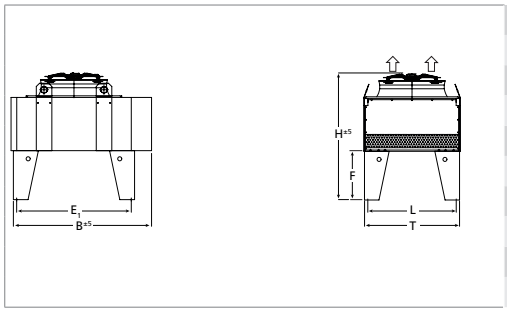
- Schaltplan Motor

CA. GA. NA.

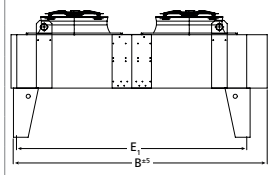
Abmessungen

Gewichte

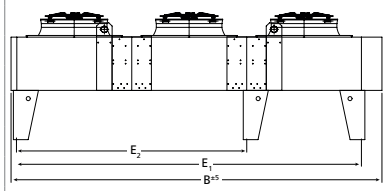
CA V, GA V, NA V 1-spurig (08-10)



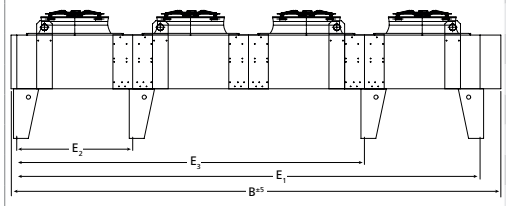
Typ	H±5	B±5	E1±5	E2±5	E3±5	F±3	T±5	L±5	Gewicht
CA GA NA (V)	mm	mm	mm	mm	mm	mm	mm	mm	kg
08A-1x1A	1.555	1.730	1.403	-	-	600	1.190	1.098	290
08A-1x1B	1.555	2.030	1.703	-	-	600	1.190	1.098	320
08A-1x1C	1.555	2.330	2.003	-	-	600	1.190	1.098	340
09A-1x1A	1.570	1.730	1.403	-	-	600	1.190	1.098	290
09A-1x1B	1.570	2.030	1.703	-	-	600	1.190	1.098	320
09A-1x1C	1.570	2.330	2.003	-	-	600	1.190	1.098	340
09A-1x1D	1.820	2.630	2.303	-	-	600	1.190	1.098	384
10A-1x1B	1.830	2.030	1.703	-	-	850	1.635	1.543	380
10A-1x1C	1.830	2.330	2.003	-	-	850	1.635	1.543	420
10A-1x1D	1.830	2.630	2.303	-	-	850	1.635	1.543	460



08A-1x2A	1.555	3.130	2.805	-	-	600	1.190	1.098	500
08A-1x2B	1.555	3.730	3.405	-	-	600	1.190	1.098	570
08A-1x2C	1.555	4.335	4.005	-	-	600	1.190	1.098	620
09A-1x2A	1.570	3.130	2.805	-	-	600	1.190	1.098	500
09A-1x2B	1.570	3.730	3.405	-	-	600	1.190	1.098	570
09A-1x2C	1.570	4.335	4.005	-	-	600	1.190	1.098	620
09A-1x2D	1.820	4.930	4.605	-	-	600	1.190	1.098	701
10A-1x2B	1.830	3.730	3.405	-	-	850	1.635	1.543	690
10A-1x2C	1.830	4.330	4.005	-	-	850	1.635	1.543	760
10A-1x2D	1.830	4.930	4.605	-	-	850	1.635	1.543	850

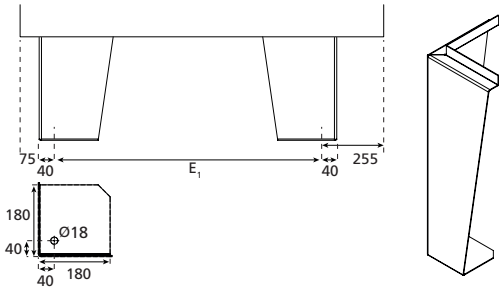


08A-1x3A	1.555	4.535	4.206	2.803	-	600	1.190	1.098	730
08A-1x3B	1.555	5.435	5.106	3.403	-	600	1.190	1.098	840
08A-1x3C	1.555	6.335	6.006	4.002	-	600	1.190	1.098	920
09A-1x3A	1.570	4.535	4.206	2.803	-	600	1.190	1.098	730
09A-1x3B	1.570	5.435	5.106	3.403	-	600	1.190	1.098	840
09A-1x3C	1.570	6.335	6.006	4.002	-	600	1.190	1.098	920
09A-1x3D	1.820	7.235	6.906	4.603	-	600	1.190	1.098	1.040
10A-1x3B	1.830	5.435	5.106	3.403	-	850	1.635	1.543	1.020
10A-1x3C	1.830	6.335	6.006	4.003	-	850	1.635	1.543	1.120
10A-1x3D	1.830	7.235	6.906	4.603	-	850	1.635	1.543	1.240



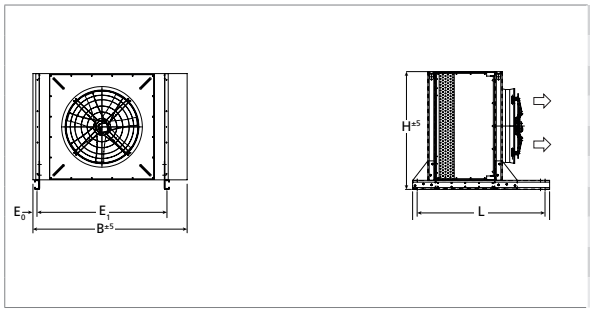
08A-1x4A	1.555	5.935	5.608	1.402	4.205	600	1.190	1.098	970
08A-1x4B	1.555	7.135	6.808	1.702	5.105	600	1.190	1.098	1.110
08A-1x4C	1.555	8.335	8.008	2.002	6.005	600	1.190	1.098	1.220
09A-1x4A	1.570	5.935	5.608	1.402	4.205	600	1.190	1.098	970
09A-1x4B	1.570	7.135	6.808	1.702	5.105	600	1.190	1.098	1.110
09A-1x4C	1.570	8.335	8.008	2.002	6.005	600	1.190	1.098	1.220
09A-1x4D	1.820	9.535	9.208	2.302	6.905	600	1.190	1.098	1.379
10A-1x4B	1.830	7.135	6.805	1.702	5.105	850	1.635	1.543	1.350
10A-1x4C	1.830	8.335	8.008	2.002	6.005	850	1.635	1.543	1.480
10A-1x4D	1.830	9.535	9.208	2.302	6.905	850	1.635	1.543	1.650

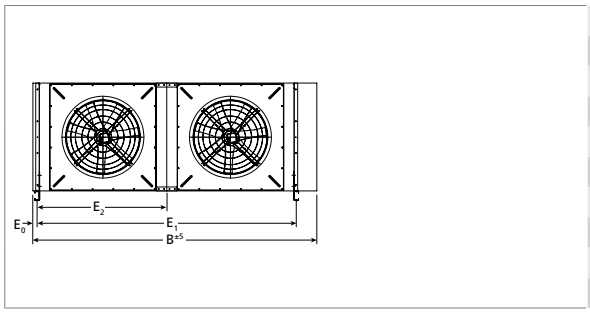
Füße CAV 08/09/10

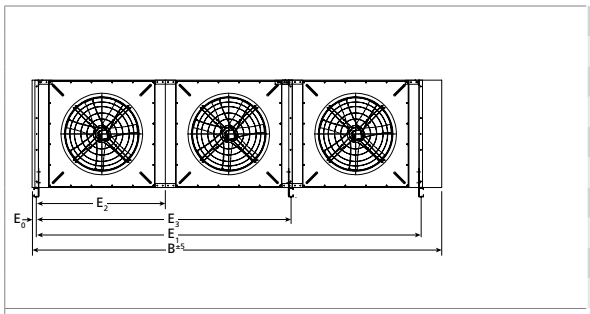


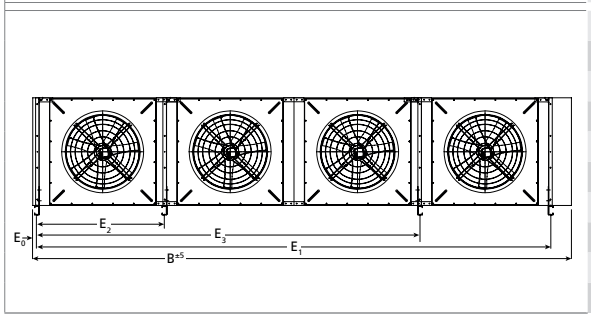
08A-1x5A	1.555	7.335	7.009	2.805	4.205	600	1.190	1.098	1.180
08A-1x5B	1.555	8.835	8.509	3.403	5.105	600	1.190	1.098	1.340
08A-1x5C	1.555	10.335	10.004	4.003	6.005	600	1.190	1.098	1.480
09A-1x5A	1.570	7.335	7.009	2.805	4.205	600	1.190	1.098	1.180
09A-1x5B	1.570	8.835	8.509	3.403	5.105	600	1.190	1.098	1.340
09A-1x5C	1.570	10.335	10.004	4.003	6.005	600	1.190	1.098	1.480
10A-1x5B	1.830	8.835	8.509	3.402	5.105	850	1.635	1.543	1.610
10A-1x5C	1.830	10.335	10.004	4.003	6.005	850	1.635	1.543	1.850

CAH, GAH, NAH 1-spurig (08-10)

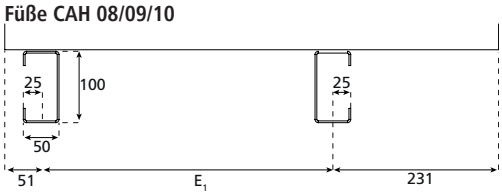


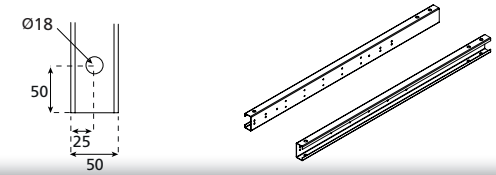






Füße CAH 08/09/10



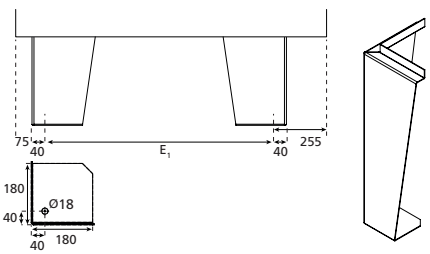


Typ	H±5	B±5	E1±5	E2±5	E3±5	T±5	L±5	Gewicht
CA GA NA (H)	mm	mm	mm	mm	mm	mm	mm	kg
08A-1x1A	1.290	1.730	1.448	-	-	1.500	1.400	290
08A-1x1B	1.290	2.030	1.748	-	-	1.500	1.400	320
08A-1x1C	1.290	2.330	2.048	-	-	1.500	1.400	340
09A-1x1A	1.290	1.730	1.448	-	-	1.500	1.400	290
09A-1x1B	1.290	2.030	1.748	-	-	1.500	1.400	320
09A-1x1C	1.290	2.330	2.048	-	-	1.500	1.400	340
09A-1x1D	1.290	2.630	2.348	-	-	1.500	1.400	384
10A-1x1B	1.730	2.030	1.748	-	-	1.500	1.400	380
10A-1x1C	1.730	2.330	2.048	-	-	1.500	1.400	420
10A-1x1D	1.730	2.630	2.348	-	-	1.500	1.400	460
08A-1x2A	1.290	3.130	2.850	-	-	1.500	1.400	500
08A-1x2B	1.290	3.730	3.450	-	-	1.500	1.400	570
08A-1x2C	1.290	4.335	4.050	-	-	1.500	1.400	620
09A-1x2A	1.290	3.130	2.850	-	-	1.500	1.400	500
09A-1x2B	1.290	3.730	3.450	-	-	1.500	1.400	570
09A-1x2C	1.290	4.335	4.050	-	-	1.500	1.400	620
09A-1x2D	1.290	4.930	4.650	-	-	1.500	1.400	701
10A-1x2B	1.730	3.730	3.450	-	-	1.500	1.400	690
10A-1x2C	1.730	4.330	4.050	-	-	1.500	1.400	760
10A-1x2D	1.730	4.930	4.650	-	-	1.500	1.400	850
08A-1x3A	1.290	4.535	4.250	2.813	-	1.500	1.400	730
08A-1x3B	1.290	5.435	5.151	3.413	-	1.500	1.400	840
08A-1x3C	1.290	6.335	6.051	4.013	-	1.500	1.400	920
09A-1x3A	1.290	4.535	4.250	2.813	-	1.500	1.400	730
09A-1x3B	1.290	5.435	5.151	3.413	-	1.500	1.400	840
09A-1x3C	1.290	6.335	6.051	4.013	-	1.500	1.400	920
09A-1x3D	1.290	7.235	6.951	4.613	-	1.500	1.400	1.040
10A-1x3B	1.730	5.433	5.151	3.413	-	1.500	1.400	1.020
10A-1x3C	1.730	6.333	6.051	4.013	-	1.500	1.400	1.120
10A-1x3D	1.730	7.233	6.951	4.613	-	1.500	1.400	1.240
08A-1x4A	1.290	5.935	5.653	1.402	4.215	1.500	1.400	970
08A-1x4B	1.290	7.135	6.853	1.701	5.115	1.500	1.400	1.110
08A-1x4C	1.290	8.335	8.053	2.002	6.015	1.500	1.400	1.220
09A-1x4A	1.290	5.935	5.653	1.402	4.215	1.500	1.400	970
09A-1x4B	1.290	7.135	6.853	1.701	5.115	1.500	1.400	1.110
09A-1x4C	1.290	8.335	8.053	2.002	6.015	1.500	1.400	1.220
09A-1x4D	1.290	9.535	9.253	2.302	6.915	1.500	1.400	1.379
10A-1x4B	1.730	7.135	6.853	1.702	5.115	1.500	1.400	1.350
10A-1x4C	1.730	8.335	8.053	2.002	6.015	1.500	1.400	1.480
10A-1x4D	1.730	9.535	9.253	2.302	6.915	1.500	1.400	1.650
08A-1x5A	1.290	7.335	7.054	2.803	4.215	1.500	1.400	1.180
08A-1x5B	1.290	8.835	8.550	3.403	5.115	1.500	1.400	1.340
08A-1x5C	1.290	10.335	10.054	4.003	6.015	1.500	1.400	1.480
09A-1x5A	1.290	7.335	7.054	2.803	4.215	1.500	1.400	1.180
09A-1x5B	1.290	8.835	8.550	3.403	5.115	1.500	1.400	1.340
09A-1x5C	1.290	10.335	10.054	4.003	6.015	1.500	1.400	1.480
10A-1x5B	1.730	8.835	8.554	3.403	5.115	1.500	1.400	1.610
10A-1x5C	1.730	10.335	10.054	3.703	6.015	1.500	1.400	1.850

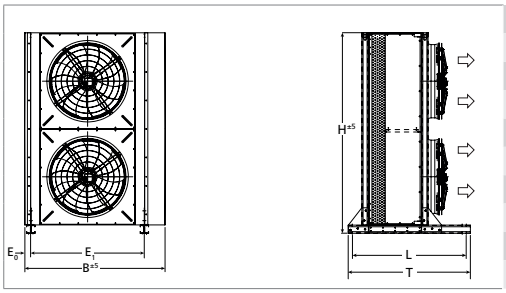
CA V, GA V, NA V 2-spurig (08-10)

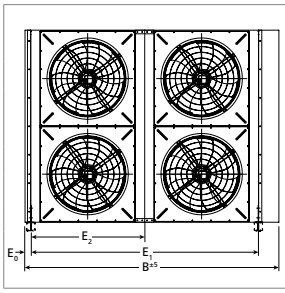
Typ	H ±5	B ±5	E_1 ±5	E_2 ±5	E_3 ±5	E_4 ±5	F ±3	T ±5	L ±5	Gewicht
CA GA NA (V)	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
08A-2x1A	1.805	1.730	1.403	-	-	-	850	2.365	2.273	480
08A-2x1B	1.805	2.030	1.703	-	-	-	850	2.365	2.273	530
08A-2x1C	1.805	2.330	2.003	-	-	-	850	2.365	2.273	580
09A-2x1A	1.820	1.730	1.403	-	-	-	850	2.365	2.273	480
09A-2x1B	1.820	2.030	1.703	-	-	-	850	2.365	2.273	530
09A-2x1C	1.820	2.330	2.003	-	-	-	850	2.365	2.273	580
09A-2x1D	1.820	2.630	2.303	-	-	-	850	2.365	2.273	630
10A-2x1B	1.830	2.030	1.703	-	-	-	850	2.365	2.273	530
10A-2x1C	1.830	2.330	2.003	-	-	-	850	2.365	2.273	580
10A-2x1D	1.830	2.630	2.303	-	-	-	850	2.365	2.273	630
08A-2x2A	1.805	3.130	2.805	-	-	-	850	2.365	2.273	860
08A-2x2B	1.805	3.730	3.405	-	-	-	850	2.365	2.273	960
08A-2x2C	1.805	4.335	4.005	-	-	-	850	2.365	2.273	1.060
09A-2x2A	1.820	3.130	2.805	-	-	-	850	2.365	2.273	860
09A-2x2B	1.820	3.730	3.405	-	-	-	850	2.365	2.273	960
09A-2x2C	1.820	4.335	4.005	-	-	-	850	2.365	2.273	1.060
09A-2x2D	1.820	4.930	4.605	-	-	-	850	2.365	2.273	1.160
10A-2x2B	1.830	3.730	3.405	-	-	-	850	2.365	2.273	960
10A-2x2C	1.830	4.330	4.005	-	-	-	850	2.365	2.273	1.060
10A-2x2D	1.830	4.930	4.605	-	-	-	850	2.365	2.273	1.160
08A-2x3A	1.805	4.535	4.206	2.803	-	-	850	2.365	2.273	1.240
08A-2x3B	1.805	5.435	5.106	3.403	-	-	850	2.365	2.273	1.400
08A-2x3C	1.805	6.335	6.006	4.002	-	-	850	2.365	2.273	1.590
09A-2x3A	1.820	4.535	4.206	2.803	-	-	850	2.365	2.273	1.240
09A-2x3B	1.820	5.435	5.106	3.403	-	-	850	2.365	2.273	1.400
09A-2x3C	1.820	6.335	6.006	4.002	-	-	850	2.365	2.273	1.590
09A-2x3D	1.820	7.235	6.906	4.603	-	-	850	2.365	2.273	1.680
10A-2x3B	1.830	5.435	5.106	3.403	-	-	850	2.365	2.273	1.510
10A-2x3C	1.830	6.335	6.006	4.003	-	-	850	2.365	2.273	1.550
10A-2x3D	1.830	7.235	6.906	4.603	-	-	850	2.365	2.273	1.680
08A-2x4A	1.955	5.935	5.608	1.402	4.205	-	1.000	2.365	2.273	1.680
08A-2x4B	1.955	7.135	6.808	1.702	5.105	-	1.000	2.365	2.273	1.800
08A-2x4C	1.955	8.335	8.008	2.002	6.005	-	1.000	2.365	2.273	2.100
09A-2x4A	1.970	5.935	5.608	1.402	4.205	-	1.000	2.365	2.273	1.680
09A-2x4B	1.970	7.135	6.808	1.702	5.105	-	1.000	2.365	2.273	1.800
09A-2x4C	1.970	8.335	8.008	2.002	6.005	-	1.000	2.365	2.273	2.100
09A-2x4D	1.970	9.535	9.208	2.302	6.905	-	1.000	2.365	2.273	2.300
10A-2x4B	1.980	7.135	6.805	1.702	5.105	-	1.000	2.365	2.273	1.850
10A-2x4C	1.980	8.335	8.008	2.002	6.005	-	1.000	2.365	2.273	2.060
10A-2x4D	1.980	9.535	9.109	2.302	6.905	-	1.000	2.365	2.273	2.300
08A-2x5A	1.955	7.335	7.009	2.805	4.205	-	1.000	2.365	2.273	2.050
08A-2x5B	1.955	8.835	8.509	3.403	5.105	-	1.000	2.365	2.273	2.300
08A-2x5C	1.955	10.335	10.004	4.003	6.005	-	1.000	2.365	2.273	2.490
09A-2x5A	1.970	7.335	7.009	2.805	4.205	-	1.000	2.365	2.273	2.050
09A-2x5B	1.970	8.835	8.509	3.403	5.105	-	1.000	2.365	2.273	2.300
09A-2x5C	1.970	10.335	10.004	4.003	6.005	-	1.000	2.365	2.273	2.490
10A-2x5B	1.980	8.835	9.509	3.402	5.105	-	1.000	2.365	2.273	2.310
10A-2x5C	1.980	10.335	10.004	4.003	6.005	-	1.000	2.365	2.273	2.550
08A-2x6A	1.955	8.738	8.411	2.803	5.606	-	1.000	2.365	2.273	2.460
08A-2x6B	1.955	10.536	10.209	3.403	6.805	-	1.000	2.365	2.273	2.760
09A-2x6A	1.970	8.738	8.411	2.803	5.606	-	1.000	2.365	2.273	2.460
09A-2x6B	1.970	10.536	10.209	3.403	6.805	-	1.000	2.365	2.273	2.760
10A-2x6B	1.980	10.536	10.209	3.403	6.805	-	1.000	2.365	2.273	2.772
08A-2x7A	1.955	10.139	9.812	2.803	4.205	7.008	1.000	2.365	2.273	2.870
09A-2x7A	1.970	10.139	9.812	2.803	4.205	7.008	1.000	2.365	2.273	2.870

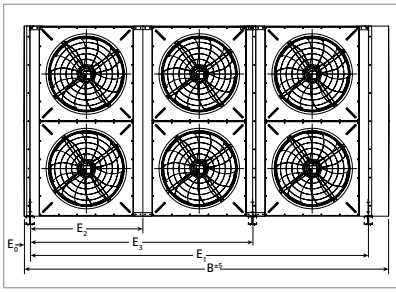
Füße CAV 08/09/10

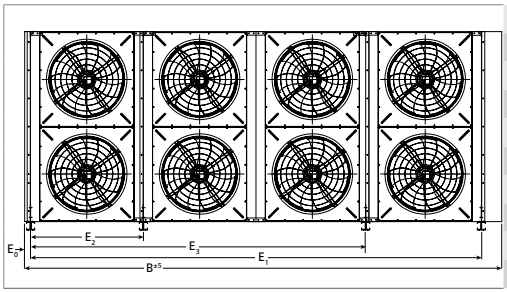


CA H, GA H, NA H 2-spurig (08-10)



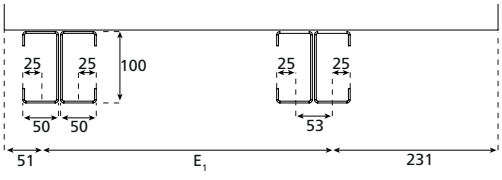


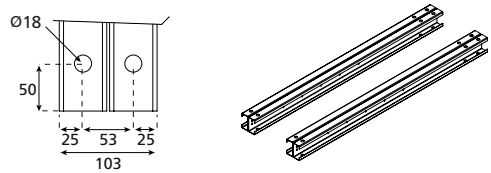




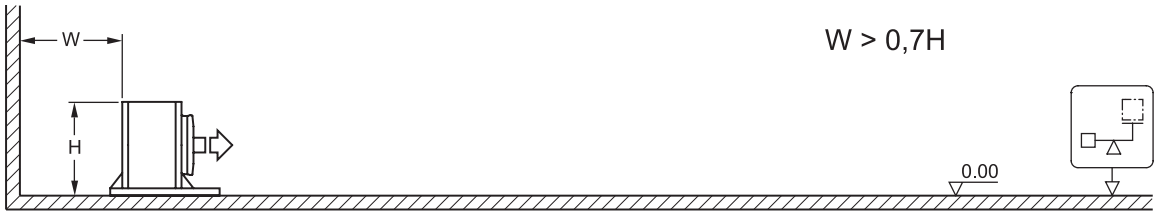
Typ	H ±5	B ±5	E_1 ±5	E_2 ±5	E_3 ±5	E_4 ±5	T ±5	L ±5	Gewicht
CA GA NA (H)	mm	mm	mm	mm	mm	mm	mm	mm	kg
08A-2x1A	2.465	1.730	1.448	-	-	-	1.500	1.400	480
08A-2x1B	2.465	2.030	1.748	-	-	-	1.500	1.400	530
08A-2x1C	2.465	2.330	2.048	-	-	-	1.500	1.400	580
09A-2x1A	2.465	1.730	1.448	-	-	-	1.500	1.400	480
09A-2x1B	2.465	2.030	1.748	-	-	-	1.500	1.400	530
09A-2x1C	2.465	2.330	2.048	-	-	-	1.500	1.400	580
09A-2x1D	2.465	2.630	2.348	-	-	-	1.500	1.400	630
10A-2x1B	2.465	2.030	1.748	-	-	-	1.500	1.400	530
10A-2x1C	2.465	2.330	2.048	-	-	-	1.500	1.400	580
10A-2x1D	2.465	2.630	2.348	-	-	-	1.500	1.400	630
08A-2x2A	2.465	3.130	2.850	-	-	-	1.500	1.400	860
08A-2x2B	2.465	3.730	3.450	-	-	-	1.500	1.400	960
08A-2x2C	2.465	4.335	4.050	-	-	-	1.500	1.400	1.060
09A-2x2A	2.465	3.130	2.850	-	-	-	1.500	1.400	860
09A-2x2B	2.465	3.730	3.450	-	-	-	1.500	1.400	960
09A-2x2C	2.465	4.335	4.050	-	-	-	1.500	1.400	1.060
09A-2x2D	2.465	4.930	4.650	-	-	-	1.500	1.400	1.160
10A-2x2B	2.465	3.730	3.450	-	-	-	1.500	1.400	960
10A-2x2C	2.465	4.330	4.050	-	-	-	1.500	1.400	1.060
10A-2x2D	2.465	4.930	4.650	-	-	-	1.500	1.400	1.160
08A-2x3A	2.465	4.535	4.250	2.813	-	-	1.500	1.400	1.240
08A-2x3B	2.465	5.435	5.151	3.413	-	-	1.500	1.400	1.400
08A-2x3C	2.465	6.335	6.051	4.013	-	-	1.500	1.400	1.590
09A-2x3A	2.465	4.535	4.250	2.813	-	-	1.500	1.400	1.240
09A-2x3B	2.465	5.435	5.151	3.413	-	-	1.500	1.400	1.400
09A-2x3C	2.465	6.335	6.051	4.013	-	-	1.500	1.400	1.590
09A-2x3D	2.465	7.235	6.951	4.613	-	-	1.500	1.400	1.680
10A-2x3B	2.465	5.435	5.151	3.413	-	-	1.500	1.400	1.510
10A-2x3C	2.465	6.335	6.051	4.013	-	-	1.500	1.400	1.550
10A-2x3D	2.465	7.235	6.951	4.613	-	-	1.500	1.400	1.680
08A-2x4A	2.465	5.935	5.653	1.402	4.215	-	1.500	1.400	1.680
08A-2x4B	2.465	7.135	6.853	1.701	5.115	-	1.500	1.400	1.800
08A-2x4C	2.465	8.335	8.053	2.002	6.015	-	1.500	1.400	2.100
09A-2x4A	2.465	5.935	5.653	1.402	4.215	-	1.500	1.400	1.680
09A-2x4B	2.465	7.135	6.853	1.701	5.115	-	1.500	1.400	1.800
09A-2x4C	2.465	8.335	8.053	2.002	6.015	-	1.500	1.400	2.100
09A-2x4D	2.465	9.535	9.253	2.302	6.915	-	1.500	1.400	2.300
10A-2x4B	2.465	7.135	6.853	1.702	5.115	-	1.500	1.400	1.850
10A-2x4C	2.465	8.335	8.053	2.002	6.015	-	1.500	1.400	2.060
10A-2x4D	2.465	9.535	9.253	2.302	6.915	-	1.500	1.400	2.300
08A-2x5A	2.465	7.335	7.054	2.803	4.215	-	1.500	1.400	2.050
08A-2x5B	2.465	8.835	8.550	3.403	5.115	-	1.500	1.400	2.300
08A-2x5C	2.465	10.335	10.054	4.003	6.015	-	1.500	1.400	2.490
09A-2x5A	2.465	7.335	7.054	2.803	4.215	-	1.500	1.400	2.050
09A-2x5B	2.465	8.835	8.550	3.403	5.115	-	1.500	1.400	2.300
09A-2x5C	2.465	10.335	10.054	4.003	6.015	-	1.500	1.400	2.490
10A-2x5B	2.465	8.835	8.554	3.403	5.115	-	1.500	1.400	2.310
10A-2x5C	2.465	10.335	10.054	3.703	6.015	-	1.500	1.400	2.550
08A-2x6A	2.465	8.738	8.456	2.803	5.616	-	1.500	1.400	2.460
08A-2x6B	2.465	10.538	10.256	3.403	6.816	-	1.500	1.400	2.760
09A-2x6A	2.465	8.738	8.456	2.803	5.616	-	1.500	1.400	2.460
09A-2x6B	2.465	10.538	10.256	3.403	6.816	-	1.500	1.400	2.760
10A-2x6B	2.465	10.538	10.256	3.403	6.816	-	1.500	1.400	2.772
08A-2x7A	2.465	10.139	9.857	2.803	4.205	7.054	1.500	1.400	2.870
09A-2x7A	2.465	10.139	9.857	2.803	4.205	7.054	1.500	1.400	2.870

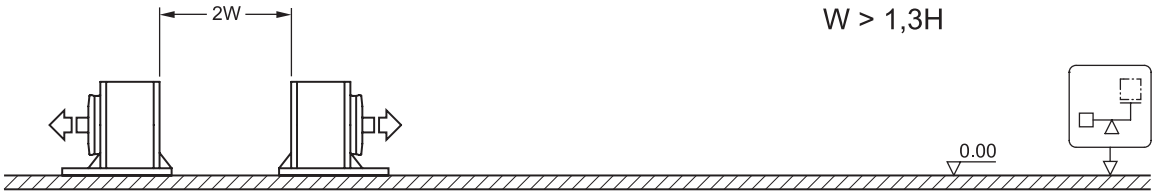
Füße CAH 08/09/10

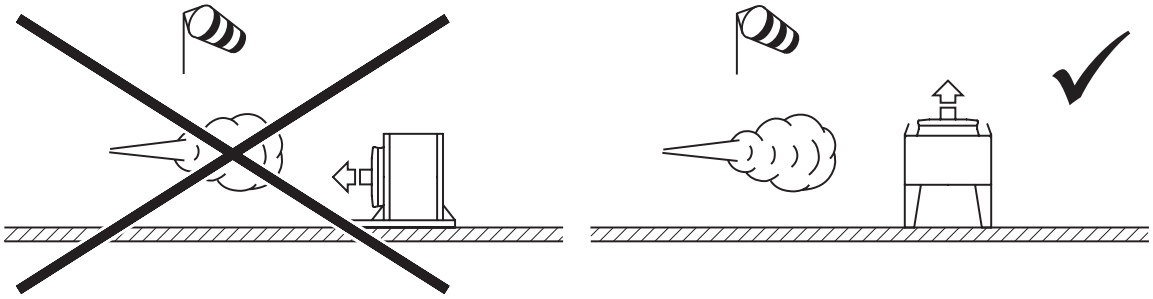


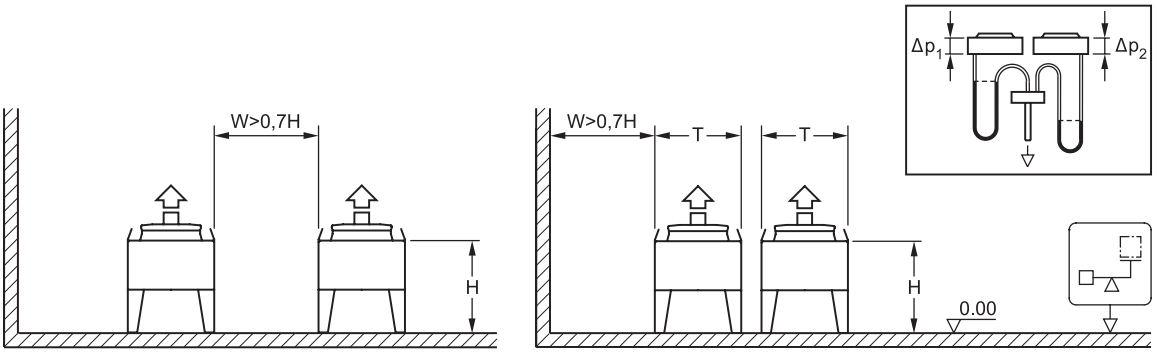


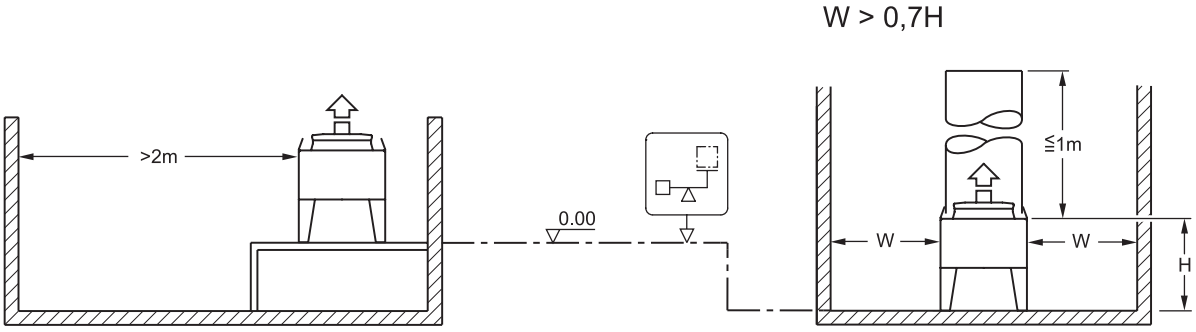
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2W
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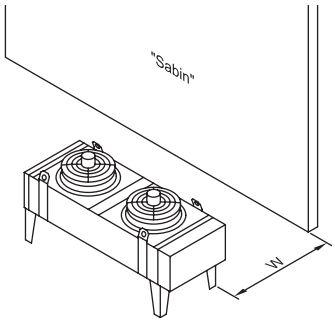



W>0,7H
H
W>0,7H
T
T
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Δp1
Δp2


W > 0,7H
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≦1m
W
W
H

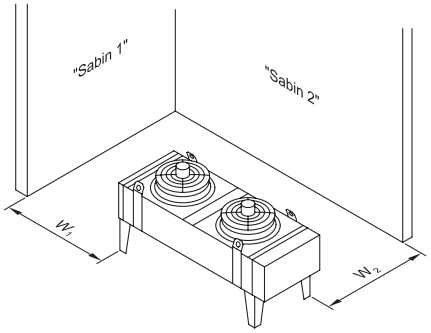
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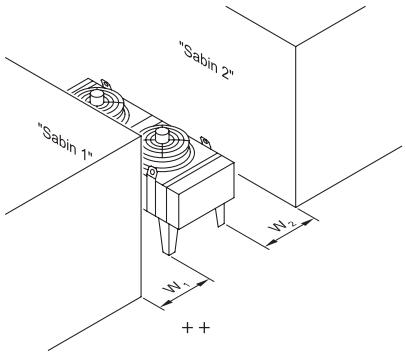
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= f (W, Sabin)



+ +

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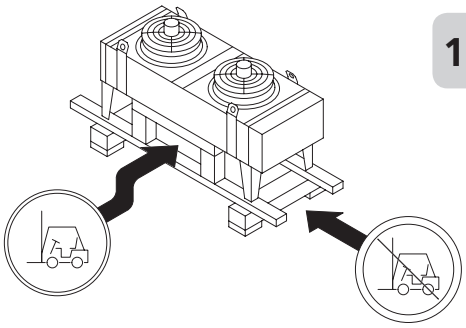
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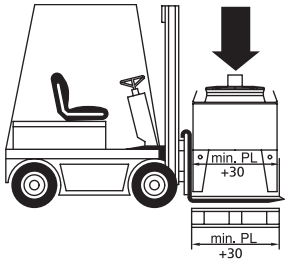
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1.3

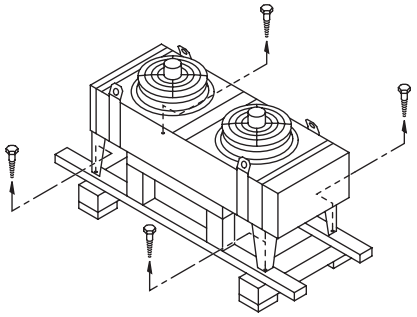
CA GA NA **V**



1.1

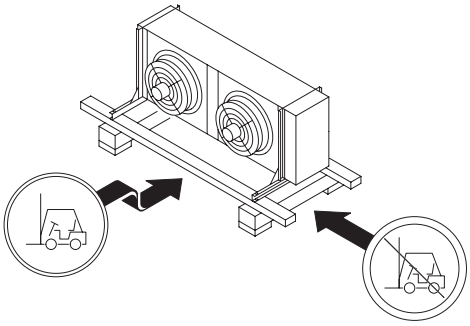


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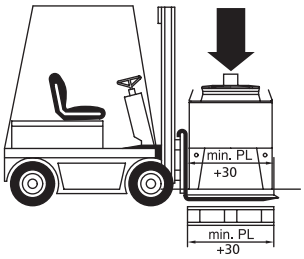


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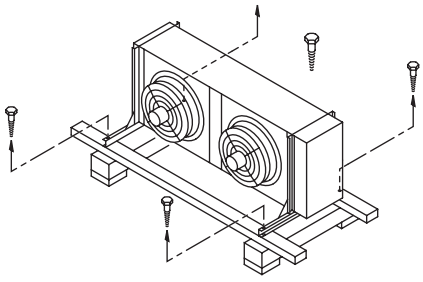
CA GA NA **H**



1.1



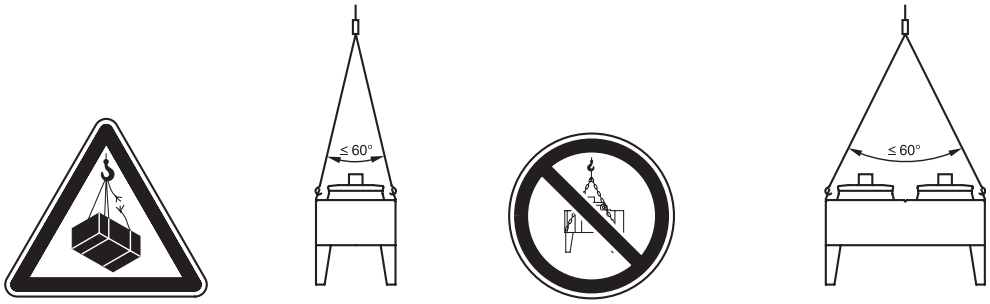
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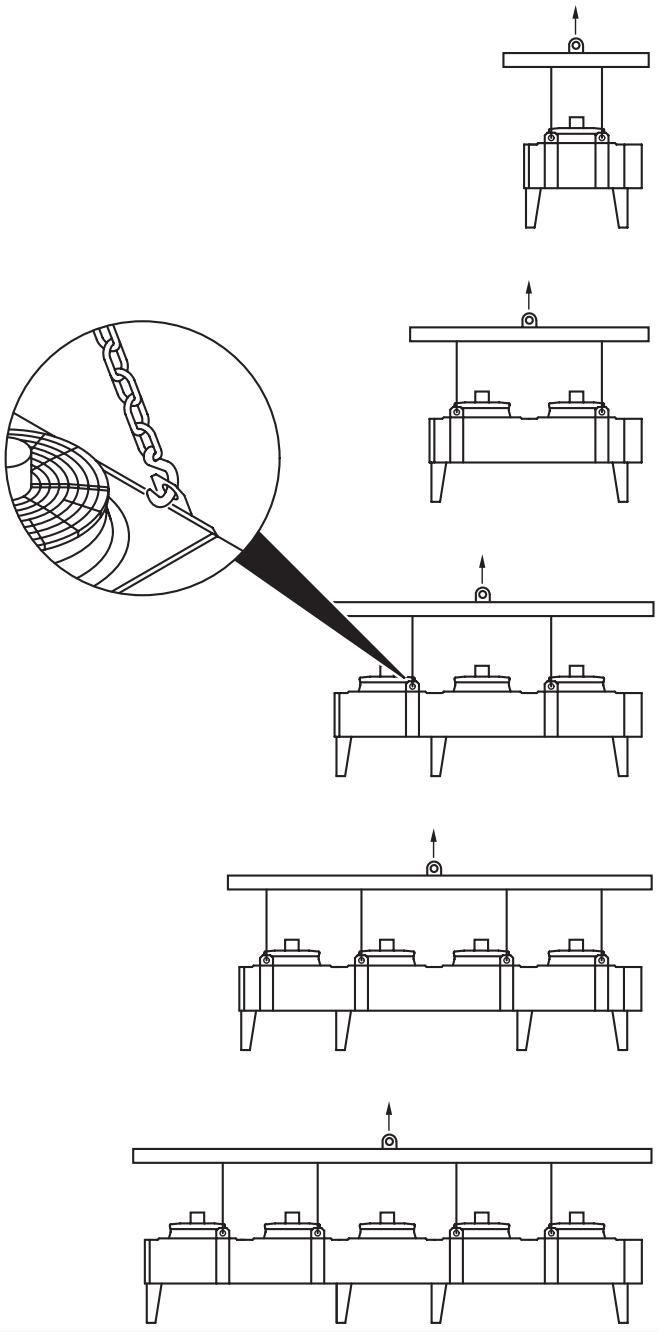


1.3

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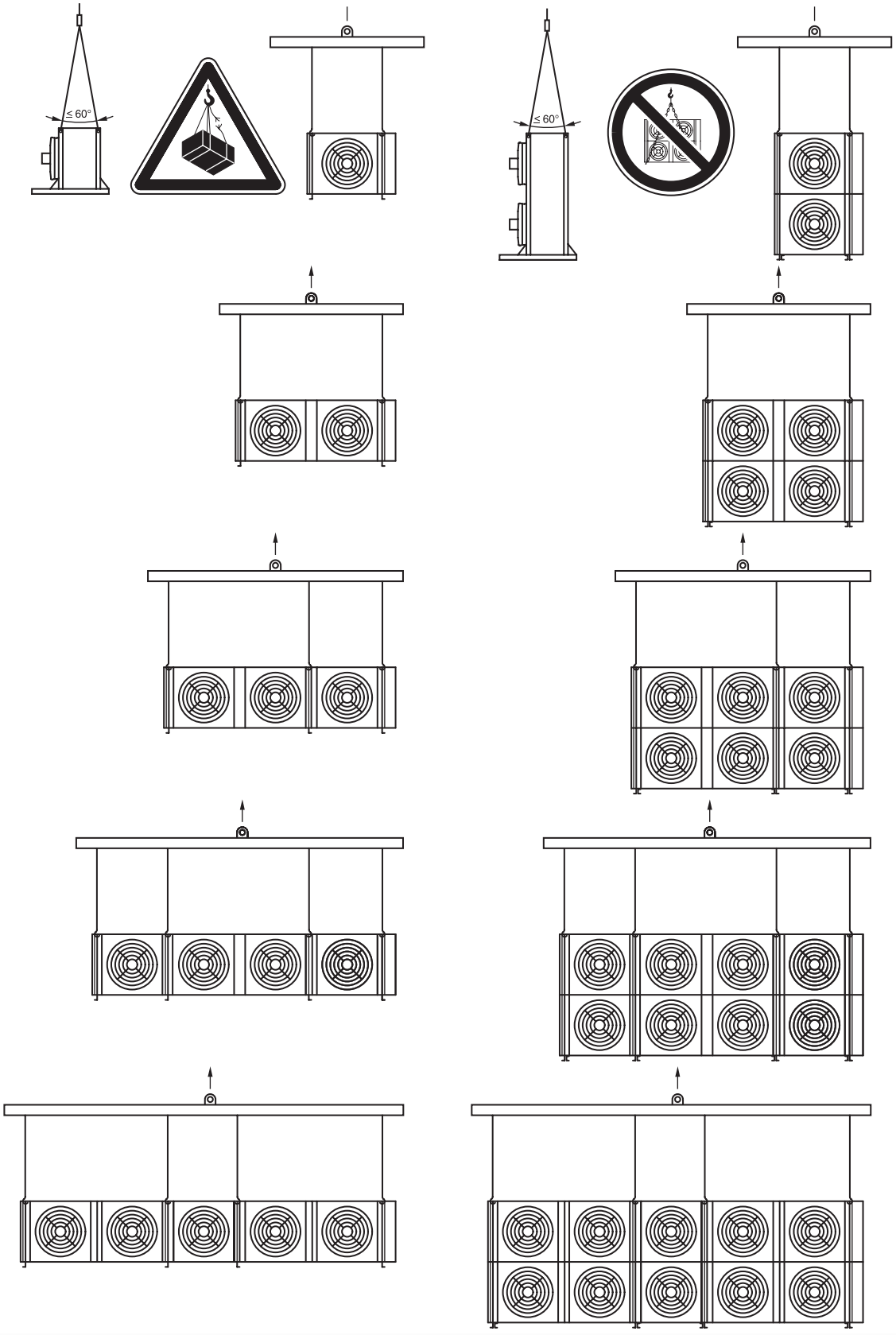
CA GA NA **V**





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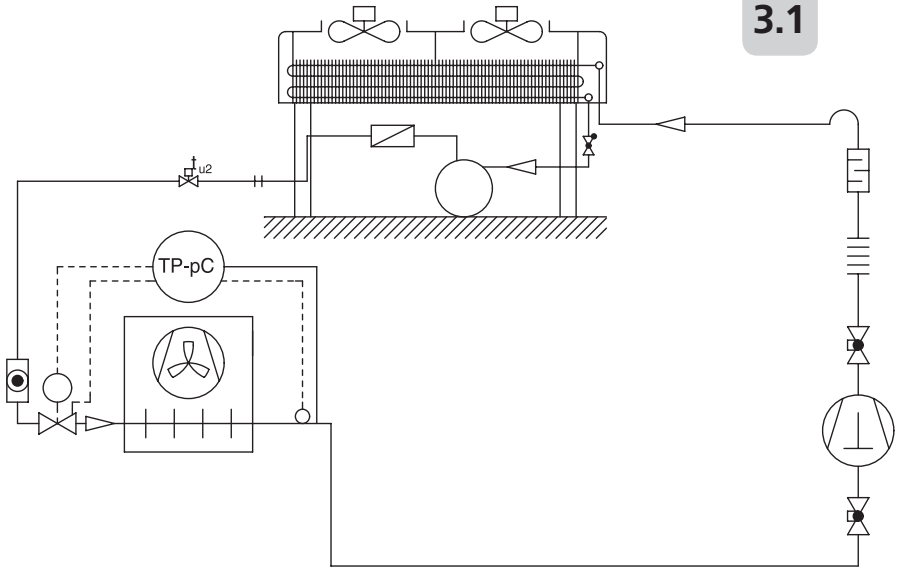
CA GA NA **H**



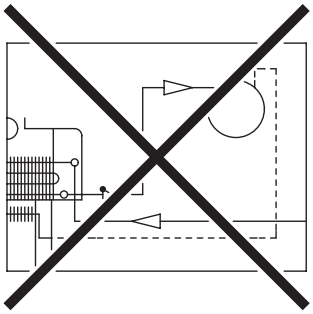
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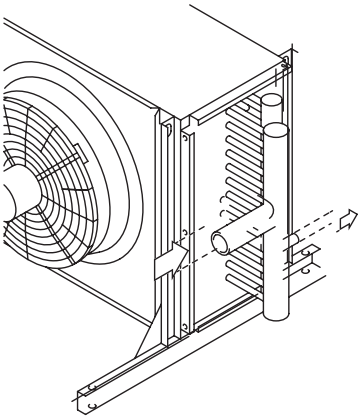
3.1

3.2

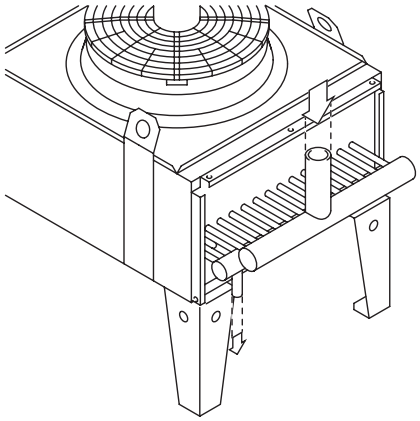


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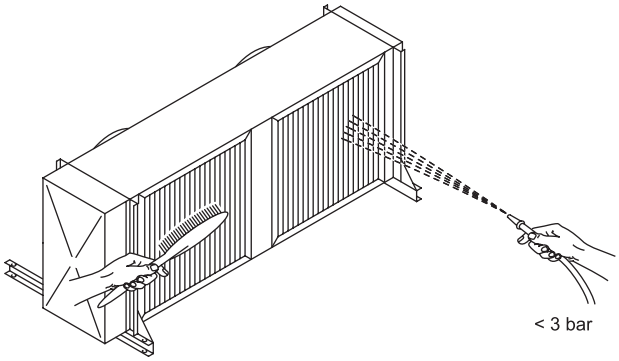


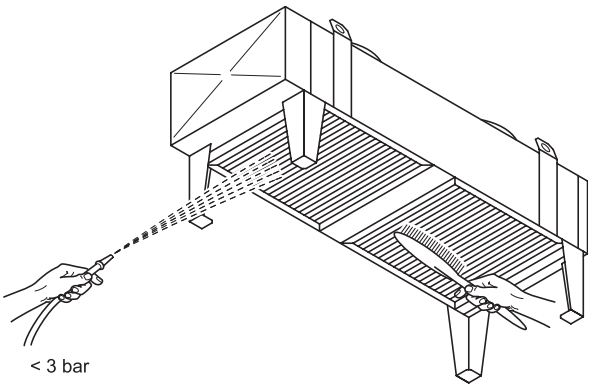


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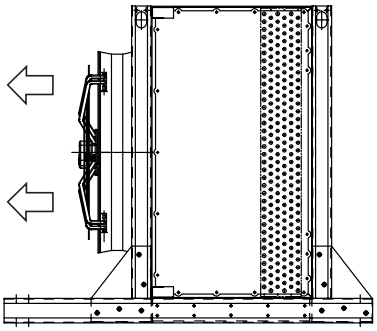
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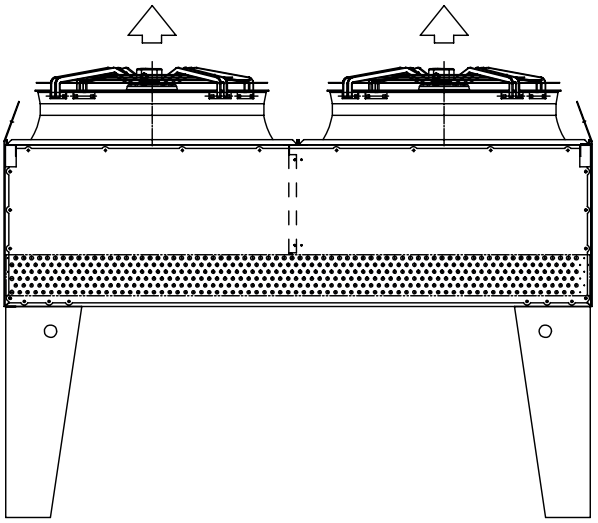




Elektrische Verdrahtung

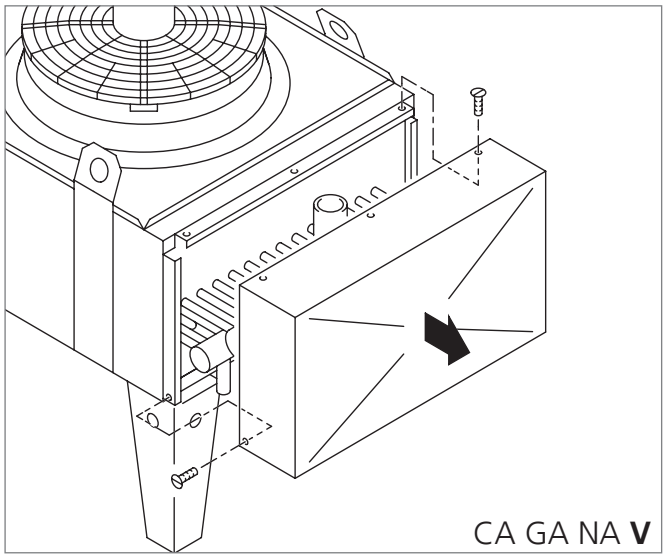
GEA Küba Red Line
Condensers & Dry Coolers



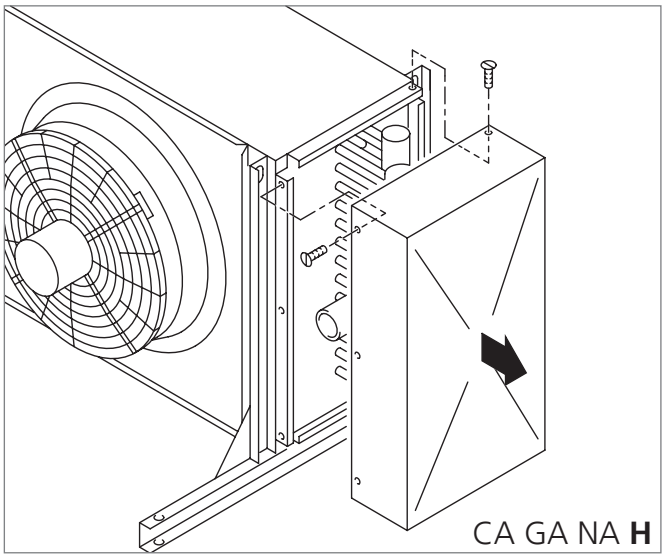


GEA Küba CA V/H, GA V/H, NA V/H (08-10)

Motor



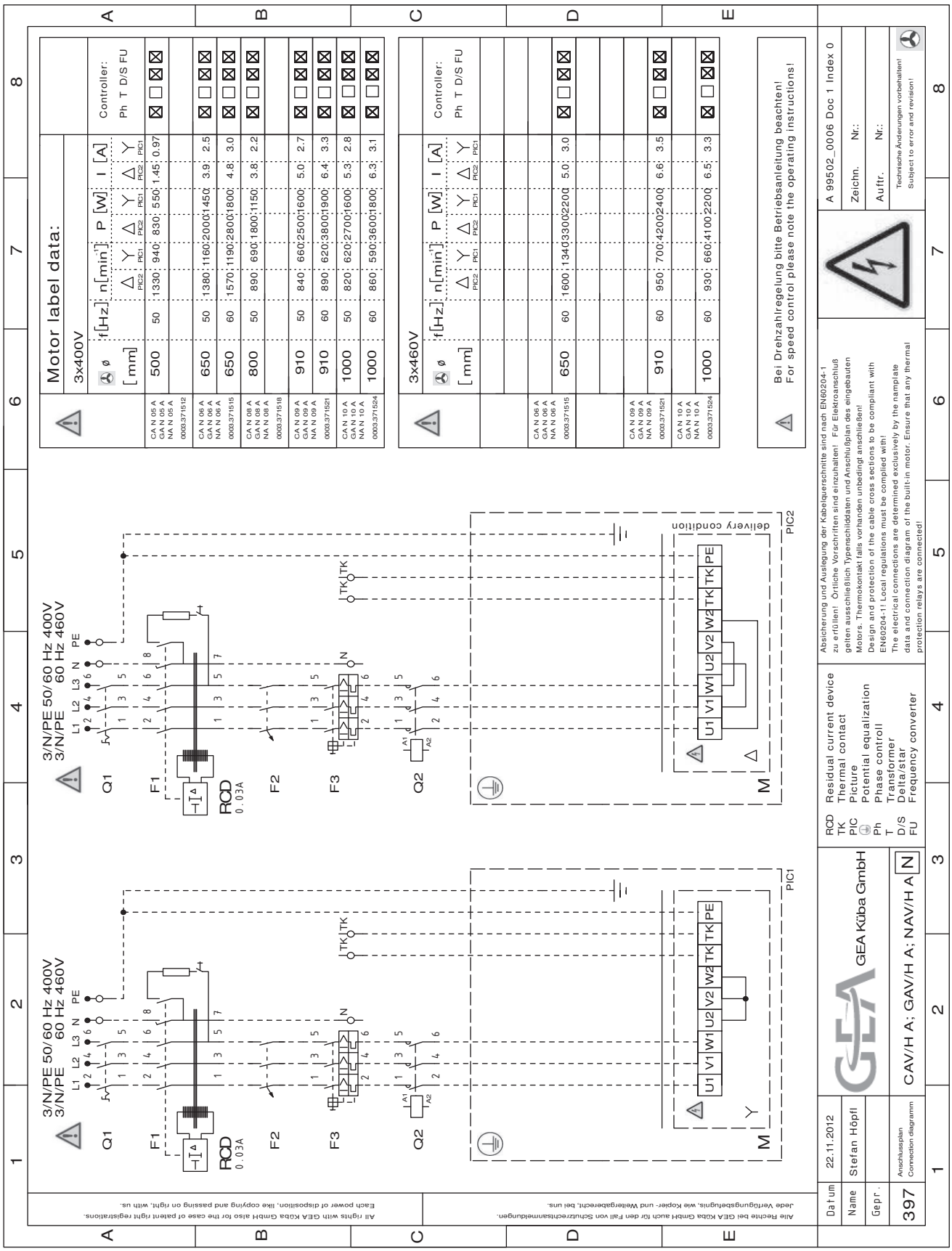
CA GA NA **V**



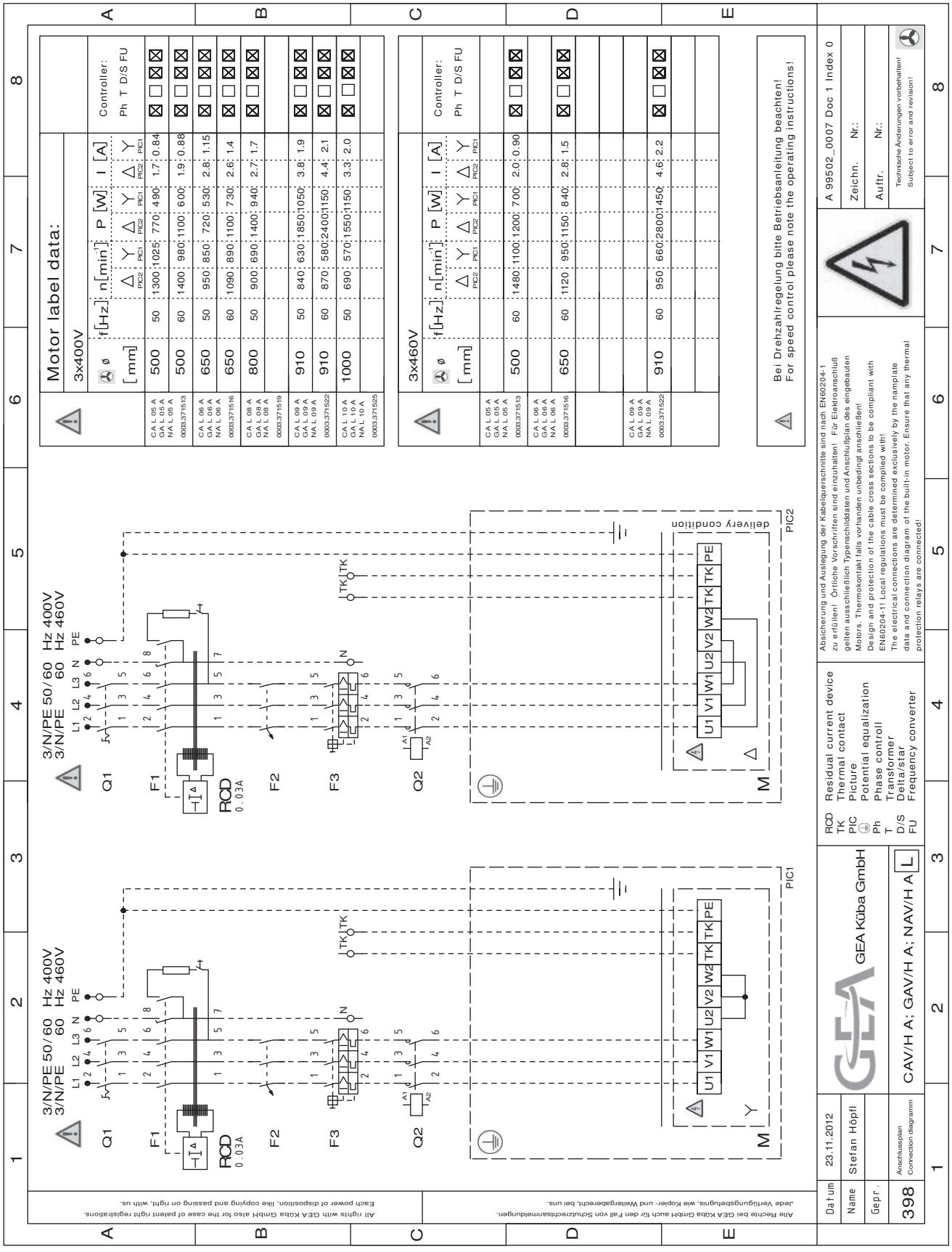
CA GA NA **H**

CA. GA. NA.

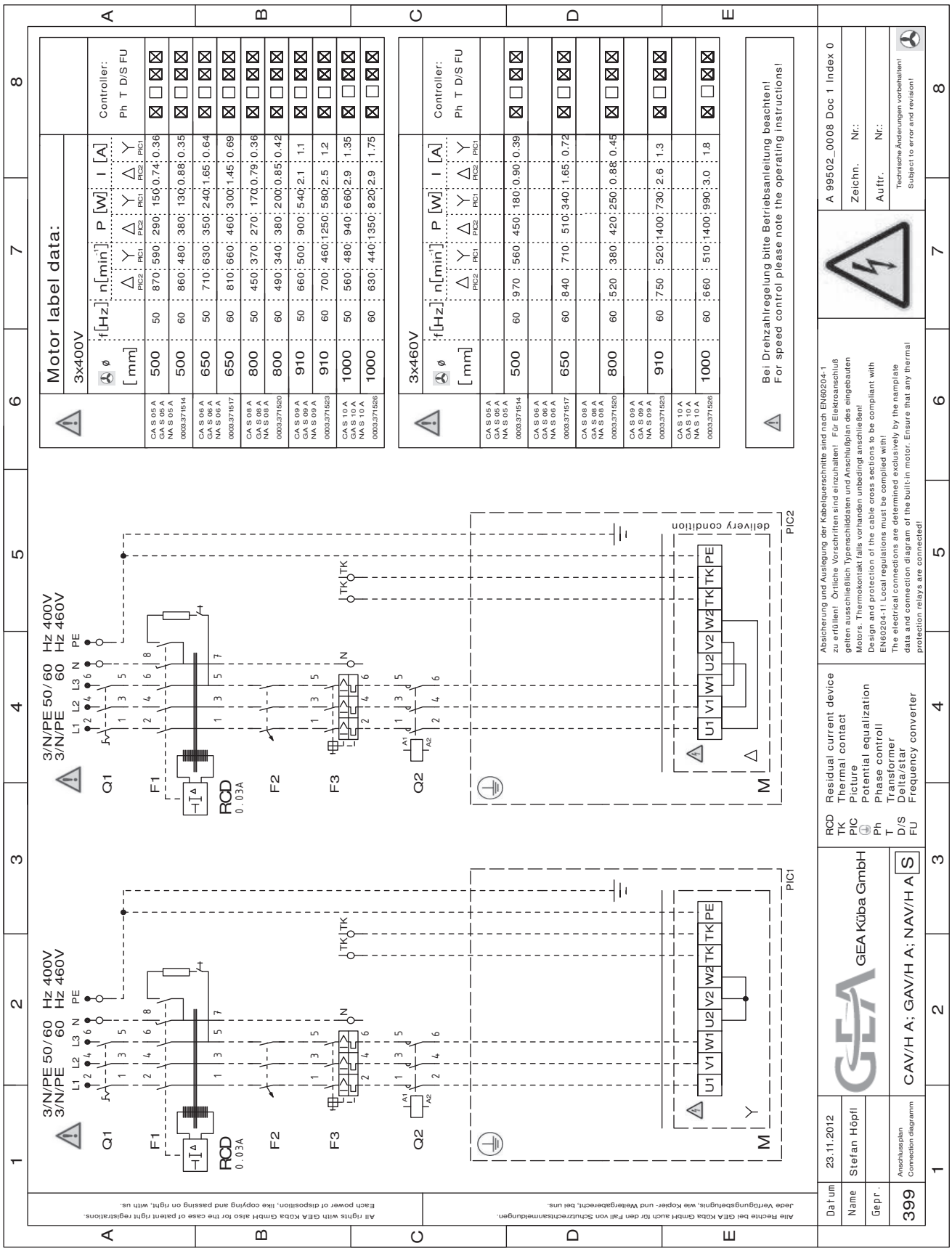
Schaltplan Motor



Schaltplan Motor



Schaltplan Motor



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GEA Heat Exchangers

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