Инженеринг Малев

Центробежни вентилатори

GR

- Вентилатори с единично засмукване
- IP55



Центробежни вентилатори с изнесен двигател тип GR

- Центробежен вентилатор с изнесен двигател

Приложение

- Центробежните вентилатори **GR** са предназначени за пренос на чист или замърсен въздух и зърнести материали
- Дебит: **360 - 120 000 m^3/h**
- Свободен напор: **580 - 15 000 Pa**

Конструкция

- Стоманен корпус, базова рама от стомана
- Импелер с обърнати назад лопатки, динамично и статично балансиран, директно куплиран двигател или двигател с ремъчна предавка
- Клас на защита: IP55
- Клас на изолация: F
- Захранване: трифазен - 400V, 50Hz

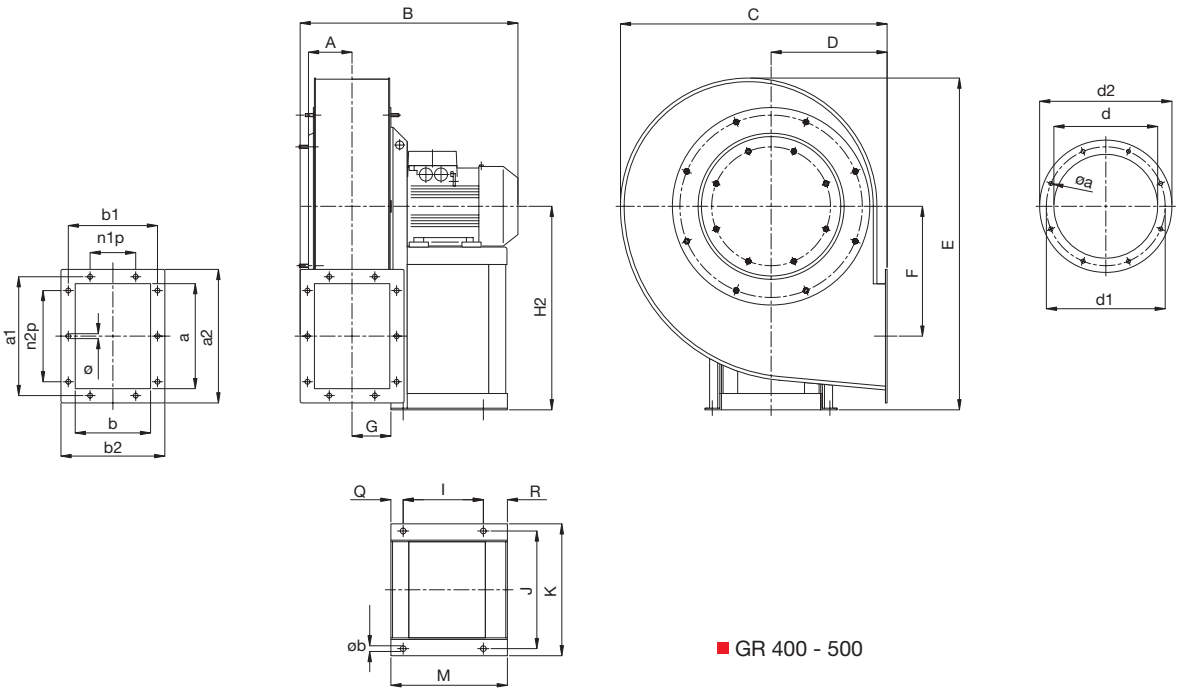
Опции

- Стандартно изпълнение - работна температура до 60°
- Специално изпълнение (SV) - работна температура до 180°C
- Взривозащитено изпълнение, съвместимо с директива ATEX94/9CE

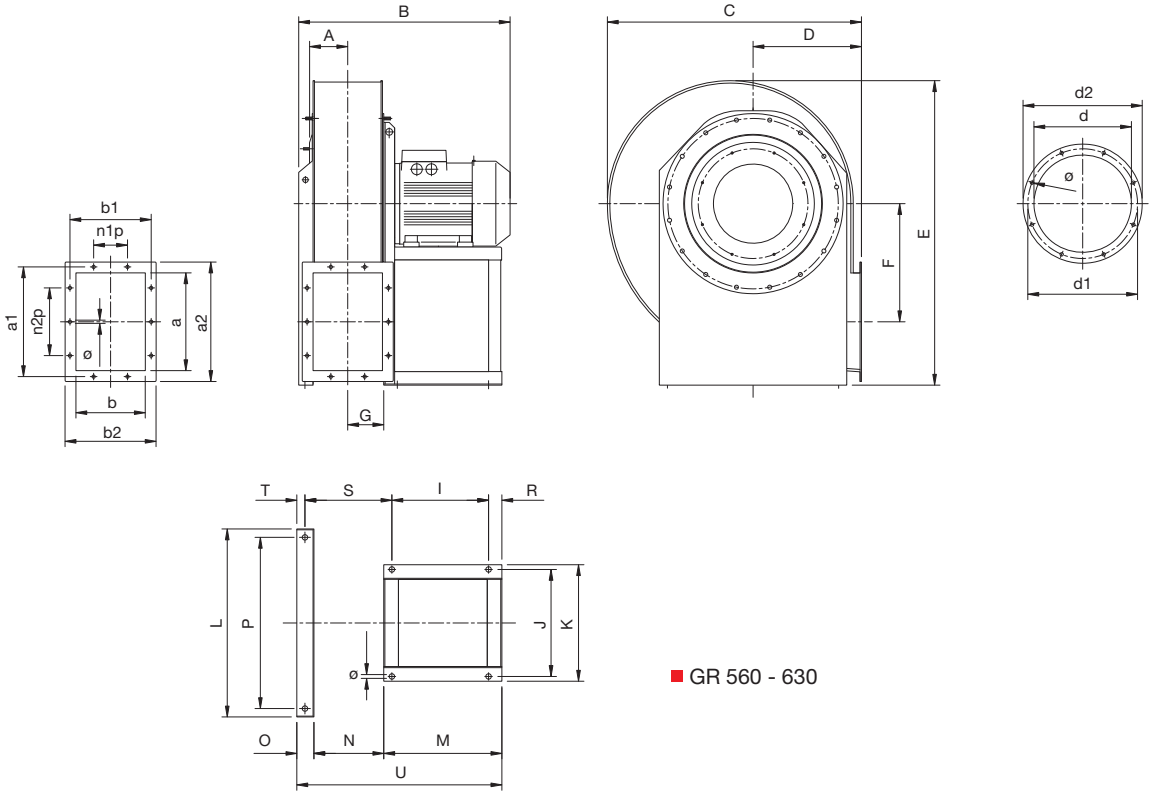
Проектна спецификация

- Центробежен вентилатор с изнесен двигател и импелер с назад обърнати лопатки, модел **GR**

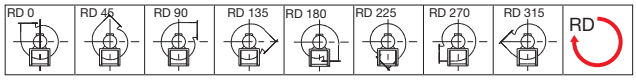
	Мотор	Мощност [kW]	Скорост [min^{-1}]	Звуково ниво [dB(A)]
GR 401	90 L2	2,2	2850	77
GR 402	100 LA2	3	2900	78
GR 451	112 M2	4	2910	80
GR 452	132 SA2	5,5	2890	83
GR 501	132 SB2	7,5	2890	84
GR 502	160 MA2	11	2930	86
GR 561	160 MA2	11	2930	89
GR 562	160 MB2	15	2935	88
GR 631	180 M2	22	2940	89
GR 632	200 LA2	30	2950	90
GR 711	200 LB2	37	2950	93
GR 712	225 M2	45	2950	94
GR 801	280 S2	75	2950	94
GR 802	280 M2	90	2950	96
GR 901	315 MA2	132	2960	98
GR 902	315 MC2	160	2960	98
GR 563	90 L4	1,5	1400	67
GR 564	100 LA4	2,2	1420	69
GR 633	100 LB4	3	1430	71
GR 634	112 M4	4	1425	72
GR 713	112 M4	4	1425	74
GR 714	132 SA4	5,5	1440	75
GR 803	132 MA4	7,5	1450	77
GR 804	160 M4	11	1450	80
GR 903	160 L4	15	1450	80
GR 904	180 L4	22	1470	81
GR 1001	200 L4	30	1470	85
GR 1002	225 S4	37	1475	86
GR 1121	225 M4	45	1475	87
GR 1122	250 M4	55	1475	89
GR 1251	280 S4	75	1475	91
GR 1252	315 S4	110	1480	92
GR 1401	315 MA4	132	1480	93
GR 1402	315 MC4	160	1480	98
GR 905	132 MA6	4	960	68
GR 906	132 MB6	5,5	960	70
GR 1003	160 M6	7,5	965	72
GR 1004	160 L6	11	965	73
GR 1123	180 L6	15	965	75
GR 1124	200 LA6	18,5	970	75
GR 1253	200 LB6	22	970	78
GR 1254	225 M6	30	970	78
GR 1403	250 M6	37	980	82
GR 1404	280 M6	55	980	83

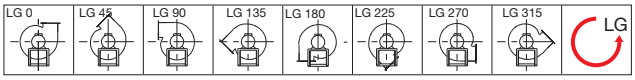


■ GR 400 - 500



■ GR 560 - 630

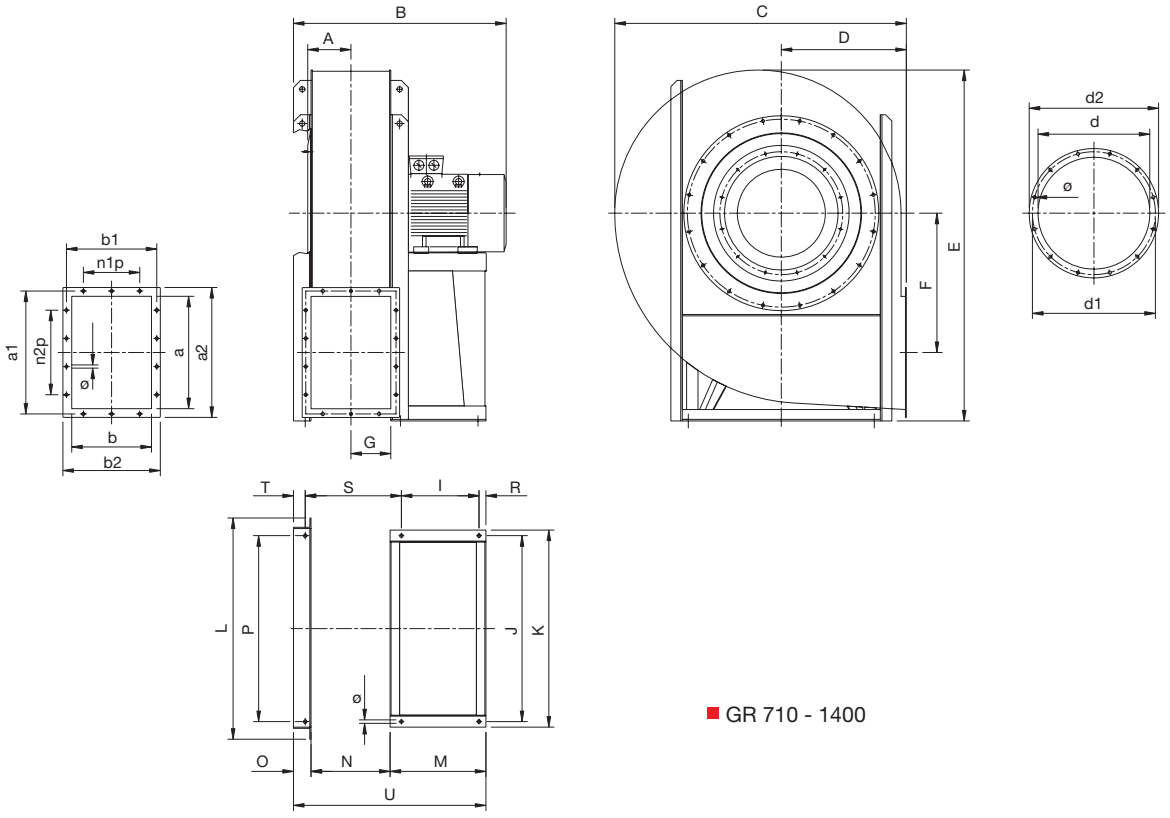




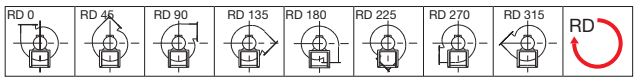
Размери

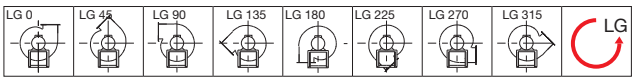
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GR 401	105	490	655	285	815	319	95	500	285	500	255	292	325	8	10	258	185	292	219	328
GR 402	105	560	655	285	815	319	95	500	285	500	255	292	325	8	10	258	185	292	219	328
GR 451	115	585	735	320	915	357	106	560	320	560	285	332	365	8	10	288	205	332	249	368
GR 452	115	647	735	320	915	357	106	560	320	560	285	332	365	8	10	288	205	332	249	368
GR 501	127	671	832	360	1000	396	118	600	360	600	320	366	400	8	10	322	229	366	273	402
GR 502	127	807	832	360	1000	396	118	600	360	600	320	366	400	8	10	322	229	366	273	402
GR 561	142	847	940	400	1126	436	132	670	400	670	360	405	440	8	10	361	256	405	300	441
GR 562	142	847	940	400	1126	436	132	670	400	670	360	405	440	8	10	361	256	405	300	441
GR 563	142	579	940	400	1126	436	132	670	400	670	360	405	440	8	10	361	256	405	300	441
GR 564	142	649	940	400	1126	436	132	670	400	670	360	405	440	8	10	361	256	405	300	441
GR 631	158	954	1052	450	1260	490	148	750	450	750	405	448	485	12	10	404	288	448	332	484
GR 632	158	954	1052	450	1260	490	148	750	450	750	405	448	485	12	10	404	288	448	332	484
GR 633	158	681	1052	450	1260	490	148	750	450	750	405	448	485	12	10	404	288	448	332	484
GR 634	158	681	1052	450	1260	490	148	750	450	750	405	448	485	12	10	404	288	448	332	484

	b2 [mm]	n1xp [mm]	n2xp [mm]	n° [mm]	ø [mm]	I [mm]	J [mm]	K [mm]	L [mm]	M [mm]	N [mm]	O [mm]	P [mm]	Q [mm]	R [mm]	S [mm]	T [mm]	U [mm]	ø [mm]	Kg
GR 401	255	1x112	2x112	10	12	136	234	260	-	246	-	-	-	55	58	-	-	-	12	73
GR 402	255	1x112	2x112	10	12	197	289	324	-	276	-	-	-	30	49	-	-	-	12	81
GR 451	285	1x125	2x125	10	12	197	280	324	-	276	-	-	-	30	49	-	-	-	12	99
GR 452	285	1x125	2x125	10	12	237	337	372	-	336	-	-	-	40	59	-	-	-	12	112
GR 501	309	1x125	2x125	10	12	237	337	372	-	336	-	-	-	40	59	-	-	-	12	145
GR 502	309	1x125	2x125	10	12	337	395	440	-	436	-	-	-	50	49	-	-	-	14	203
GR 561	336	1x125	2x125	10	12	337	395	440	692	436	260	53	632	-	49	340	23	728	14	227
GR 562	336	1x125	2x125	10	12	337	395	440	692	436	260	53	632	-	49	340	23	728	14	240
GR 563	336	1x125	2x125	10	12	133	234	260	692	246	260	53	632	-	58	345	23	518	10	137
GR 564	336	1x125	2x125	10	12	197	289	324	692	276	260	53	632	-	49	320	23	563	12	144
GR 631	368	2x125	3x125	14	12	357	434	488	762	460	292	53	702	-	33	392	23	805	18	311
GR 632	368	2x125	3x125	14	12	381	506	568	762	500	292	53	702	-	39	402	23	845	20	364
GR 633	368	2x125	3x125	14	12	197	289	324	762	276	292	53	702	-	49	352	23	595	12	147
GR 634	368	2x125	3x125	14	12	197	289	324	762	276	292	53	702	-	49	352	23	595	12	155



■ GR 710 - 1400





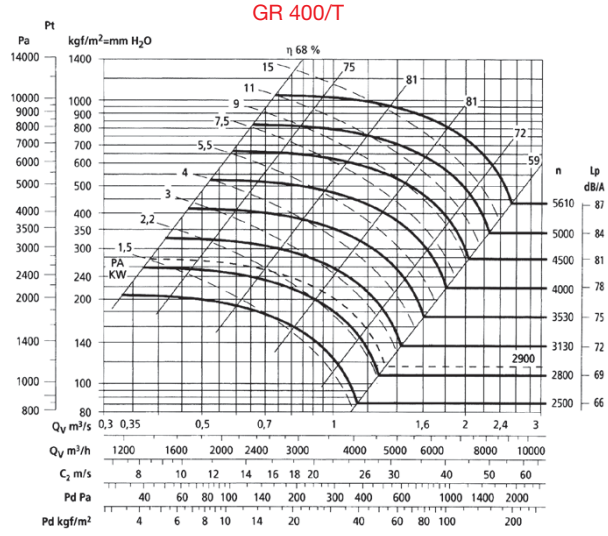
Размери

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GR 711	185	995	1189	500	1416	558	161	670	500	850	455	497	535	12	10	453	322	497	366	533
GR 712	185	1072	1189	500	1416	558	161	670	500	850	455	497	535	12	10	453	322	497	366	533
GR 713	185	722	1189	500	1416	558	161	670	500	850	455	497	535	12	10	453	322	497	366	533
GR 714	185	784	1189	500	1416	558	161	670	500	850	455	497	535	12	10	453	322	497	366	533
GR 801	199	1260	1340	560	1591	625	180	755	560	950	505	551	585	12	10	507	361	551	405	587
GR 802	199	1260	1340	560	1591	625	180	755	560	950	505	551	585	12	10	507	361	551	405	587
GR 803	199	842	1340	560	1591	625	180	755	560	950	505	551	585	12	10	507	361	551	405	587
GR 804	199	978	1340	560	1591	625	180	755	560	950	505	551	585	12	10	507	361	551	405	587
GR 901	221	1446	1500	630	1780	703	202	850	630	1060	565	629	665	12	10	569	404	629	464	669
GR 902	221	1446	1500	630	1780	703	202	850	630	1060	565	629	665	12	10	569	404	629	464	669
GR 903	221	1022	1500	630	1780	703	202	850	630	1060	565	629	665	12	10	569	404	629	464	669
GR 904	221	1097	1500	630	1780	703	202	850	630	1060	565	629	665	12	10	569	404	629	464	669
GR 905	221	886	1500	630	1780	703	202	850	630	1060	565	629	665	12	10	569	404	629	464	669
GR 906	221	886	1500	630	1780	703	202	850	630	1060	565	629	665	12	10	569	404	629	464	669
GR 1001	246	1165	1685	710	1993	791	226	950	710	1180	635	698	735	12	12	638	453	698	513	738
GR 1002	246	1242	1685	710	1993	791	226	950	710	1180	635	698	735	12	12	638	453	698	513	738
GR 1003	246	1090	1685	710	1993	791	226	950	710	1180	635	698	735	12	12	638	453	698	513	738
GR 1004	246	1090	1685	710	1993	791	226	950	710	1180	635	698	735	12	12	638	453	698	513	738
GR 1121	277	1296	1884	800	2222	891	253	1060	800	1320	715	775	815	16	12	715	507	775	567	815
GR 1122	277	1296	1884	800	2222	891	253	1060	800	1320	715	775	815	16	12	715	507	775	567	815
GR 1123	277	1219	1884	800	2222	891	253	1060	800	1320	715	775	815	16	12	715	507	775	567	815
GR 1124	277	1219	1884	800	2222	891	253	1060	800	1320	715	775	815	16	12	715	507	775	567	815
GR 1251	310	1489	2116	900	2517	1003	284	1190	900	1500	805	861	905	16	12	801	569	871	639	921
GR 1252	310	1489	2116	900	2517	1003	284	1190	900	1500	805	861	905	16	12	801	569	871	639	921
GR 1253	310	1282	2116	900	2517	1003	284	1190	900	1500	805	861	905	16	12	801	569	871	639	921
GR 1254	310	1359	2116	900	2517	1003	284	1190	900	1500	805	861	905	16	12	801	569	871	639	921
GR 1401	344	1730	2325	1000	2816	1116	319	1320	1000	1700	905	958	1005	16	12	898	638	968	708	1018
GR 1402	344	1730	2325	1000	2816	1116	319	1320	1000	1700	905	958	1005	16	12	898	638	968	708	1018
GR 1403	344	1458	2325	1000	2816	1116	319	1320	1000	1700	905	958	1005	16	12	898	638	968	708	1018
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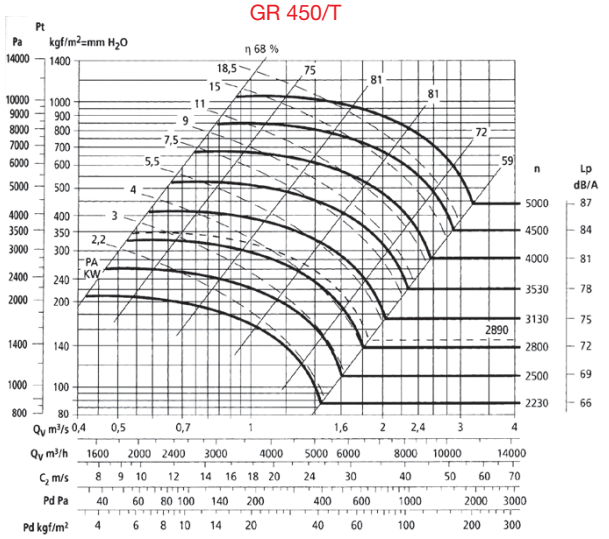
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GR 711	402	2x125	3x125	14	12	401	772	826	914	500	322	60	772	-	39	415	27	882	20	440
GR 712	402	2x125	3x125	14	12	440	772	826	914	540	322	60	772	-	39	415	27	922	20	481
GR 713	402	2x125	3x125	14	12	151	772	826	914	276	322	60	772	-	49	415	27	632	20	246
GR 714	402	2x125	3x125	14	12	201	772	826	914	336	322	60	772	-	59	415	27	682	20	258
GR 801	441	2x125	3x125	14	12	591	862	926	1044	690	361	80	862	-	39	454	47	1131	20	603
GR 802	441	2x125	3x125	14	12	591	862	926	1044	690	361	80	862	-	39	454	47	1131	20	694
GR 803	441	2x125	3x125	14	12	201	862	926	1044	336	361	80	862	-	59	454	47	741	20	331
GR 804	441	2x125	3x125	14	12	316	862	926	1044	436	361	80	862	-	49	454	47	856	20	389
GR 901	504	2x160	3x160	14	14	701	962	1026	1144	800	404	80	962	-	39	497	47	1284	20	938
GR 902	504	2x160	3x160	14	14	701	962	1026	1144	800	404	80	962	-	39	497	47	1284	20	964
GR 903	504	2x160	3x160	14	14	316	962	1026	1144	436	404	80	962	-	49	497	47	899	20	478
GR 904	504	2x160	3x160	14	14	361	962	1026	1144	460	404	80	962	-	39	497	47	944	20	534
GR 905	504	2x160	3x160	14	14	201	962	1026	1144	336	404	80	962	-	59	497	47	784	20	388
GR 906	504	2x160	3x160	14	14	201	962	1026	1144	336	404	80	962	-	59	497	47	784	20	399
GR 1001	553	2x160	3x160	14	14	400	1056	1128	1254	500	453	100	1056	-	45	541	67	1053	20	671
GR 1002	553	2x160	3x160	14	14	400	1056	1128	1254	540	453	100	1056	-	45	541	67	1093	20	713
GR 1003	553	2x160	3x160	14	14	315	1056	1128	1254	436	453	100	1056	-	49	541	67	968	20	556
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GR 1121	607	2x160	4x160	16	14	415	1178	1268	1400	540	507	100	1178	-	45	632	55	1147	24	985
GR 1122	607	2x160	4x160	16	14	475	1178	1268	1400	600	507	100	1178	-	45	632	55	1207	24	1056
GR 1123	607	2x160	4x160	16	14	335	1178	1268	1400	460	507	100	1178	-	45	632	55	1067	24	825
GR 1124	607	2x160	4x160	16	14	375	1178	1268	1400	500	507	100	1178	-	45	632	55	1107	24	906
GR 1251	689	2x200	3x200	14	14	565	1310	1400	1530	690	569	100	1310	-	45	694	55	1359	24	1356
GR 1252	689	2x200	3x200	14	14	675	1310	1400	1530	800	569	100	1310	-	45	694	55	1469	24	1392
GR 1253	689	2x200	3x200	14	14	375	1310	1400	1530	500	569	100	1310	-	45	694	55	1169	24	1111
GR 1254	689	2x200	3x200	14	14	415	1310	1400	1530	540	569	100	1310	-	45	694	55	1209	24	1182
GR 1401	758	3x200	4x200	18	14	645	1450	1560	1690	800	638	130	1450	-	55	783	85	1568	24	1930
GR 1402	758	3x200	4x200	18	14	645	1450	1560	1690	800	638	130	1450	-	55	783	85	1568	24	2016
GR 1403	758	3x200	4x200	18	14	475	1450	1560	1690	600	638	130	1450	-	55	783	85	1368	24	1625
GR 1404	758	3x200	4x200	18	14	535	1450	1560	1690	690	638	130	1450	-	55	783	85	1458	24	1741

Работни характеристики

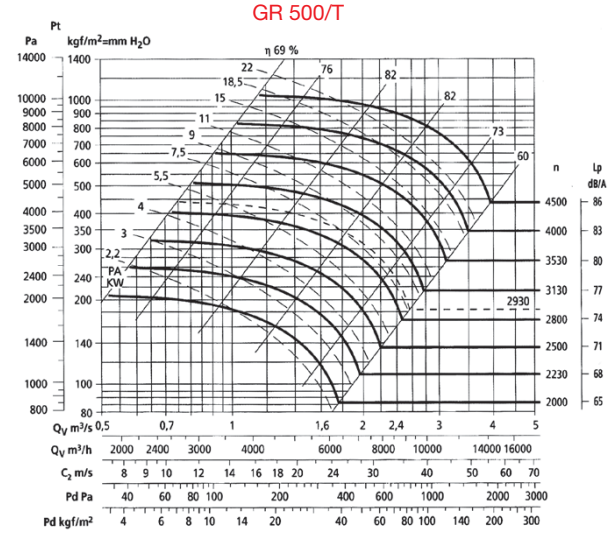
GR 400/T



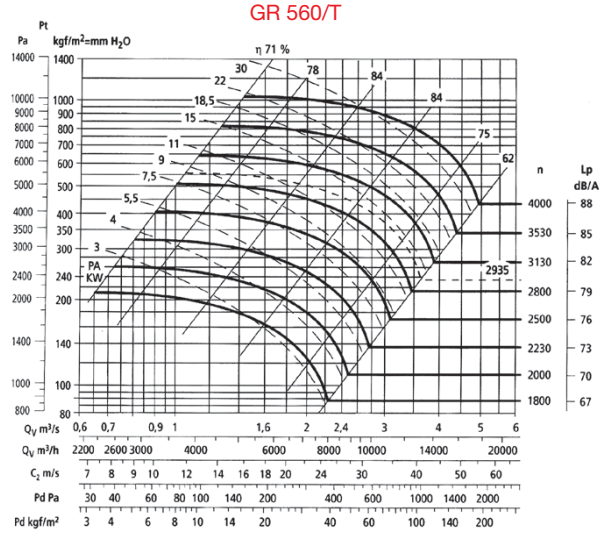
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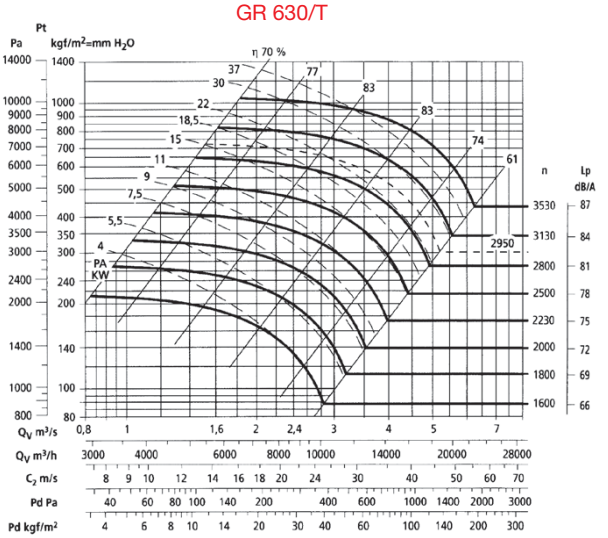
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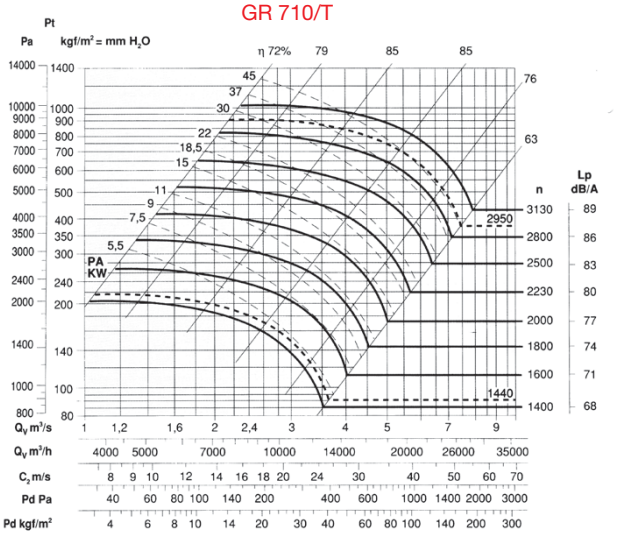
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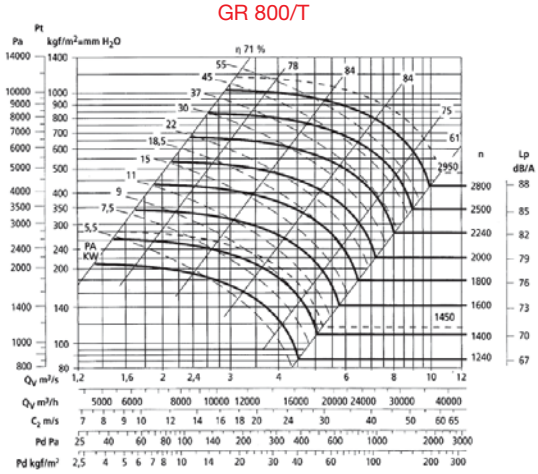


GR 710/T

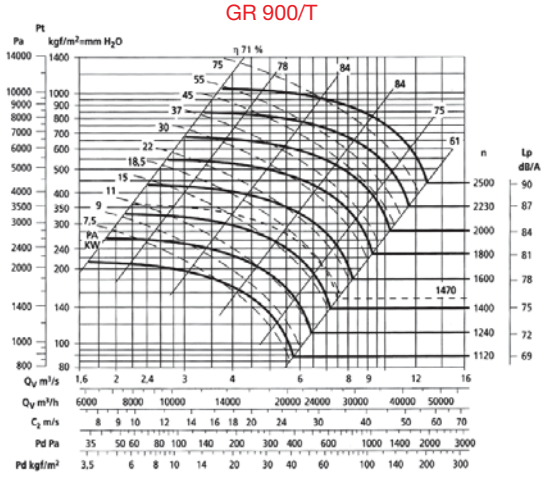


Работни характеристики

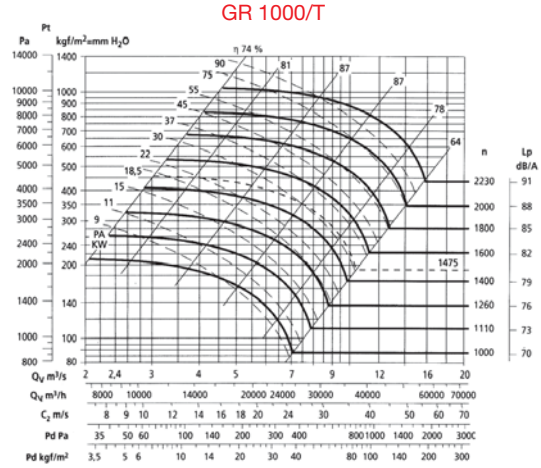
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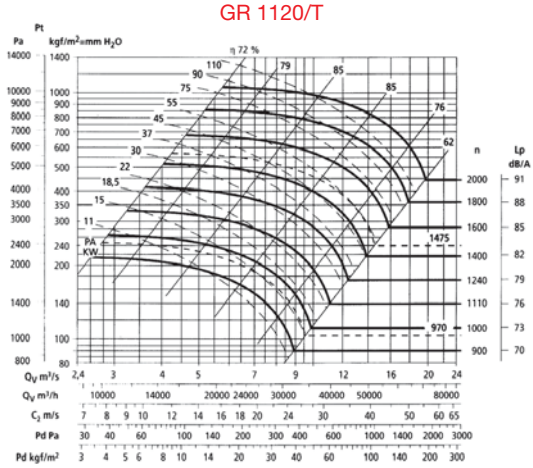
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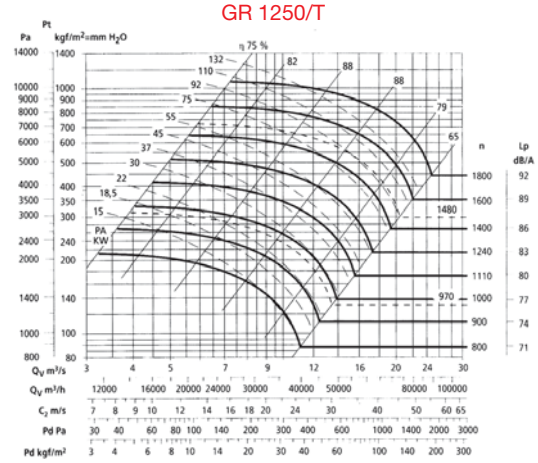
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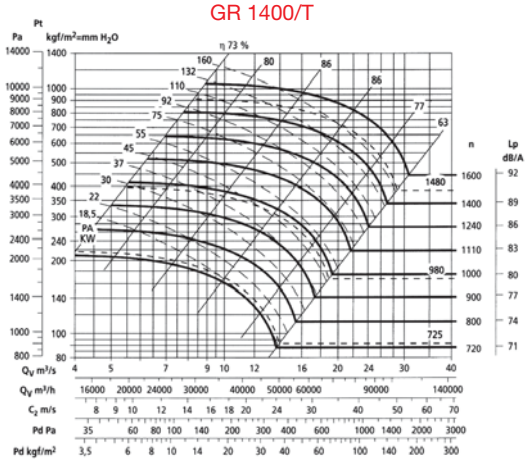
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GR 1250/T



GR 1400/T



Забележки

- Q_v = дебит
- C = скорост
- P_d = динамично налягане
- P_t = пълен напор
- L_p = шумово ниво
- P_a = мощност на двигателя
- Пунктираната линия (- - - - -) е характеристика при директно куплиран двигател