GR

VENTILATORE AD ALTO RENDIMENTO
HIGH EFFICIENCY FAN

GIRANTE A PALE CURVE ROVESCE
BACKWARD CURVED BLADES IMPELLER

MEDIA PRESSIONE
MEDIUM PRESSURE

Portata/*Flow rate*:
360 ÷ 120000 m³/h

Pressione/*Pressure*:
58 ÷ 1500 mm H_2O

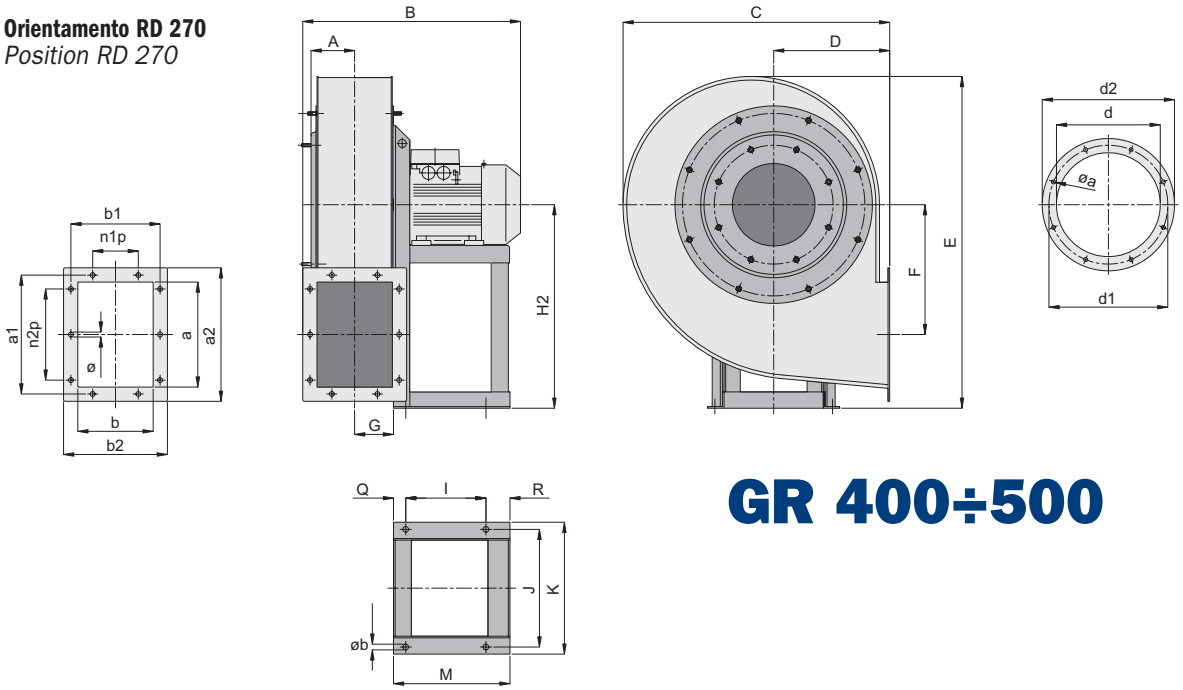
GR

VENTILATORE AD ALTO RENDIMENTO
HIGH EFFICIENCY FAN

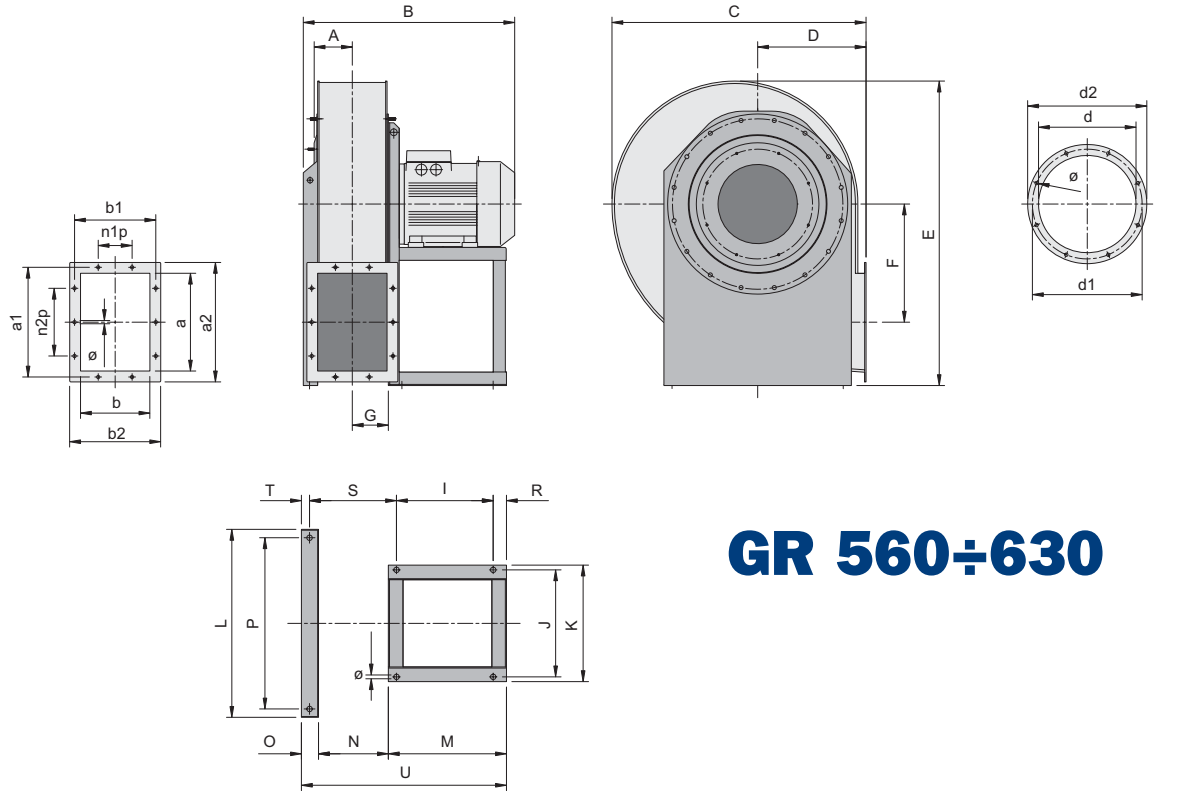
Ventilatore ad alto rendimento: Mod. GR.
Campo di lavoro: portate elevate, pressioni medie alte.
Tipo di pale: rovesce. Applicazioni: per trasporto pneumatico, fumi, polveri fini. Adatto al trasporto di materiali solidi in miscela con aria, trucioli e segatura, con ventilatore non attraversato.
Temperatura del fluido: fino a 60° C in esecuzione standard; esecuzioni speciali per temperature superiori.
Caratteristiche costruttive: ventilatore di costruzione particolarmente robusta eseguito in lamiera verniciata, ventola in acciaio equilibrata staticamente e dinamicamente.
Caratteristiche di funzionamento:
condizioni dell'aria in aspirazione T = 15° C, p = 760 mm Hg

High efficiency fan: Mod. GR.
Field of application: medium and low capacities, high pressures.
Type of blades: backward facing. Applications:
for pneumatic conveyance, gasses, granulated materials.
Suitable for the transport of solid materials mixed with air, sawdust and woodchips if fan is not crossed.
Air temperatue: up to 60° C standard, special features for higher temperatures.
Construction specifications: rigid construction in sheet metal.
Statically and dynamically balanced impellers.
Working principles: condition of ducted air T = 15° C, p = 760 mm Hg.

Orientamento RD 270
Position RD 270

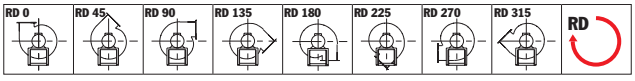


GR 400÷500

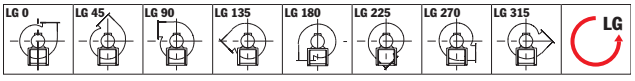


GR 560÷630

Direzioni di rotazione (vista lato motore) - *Rotation senses (seen from motor side)*



Rotazione oraria - Clockwise rotation sense



Rotazione anti-oraria - Anti-Clockwise rotation sense

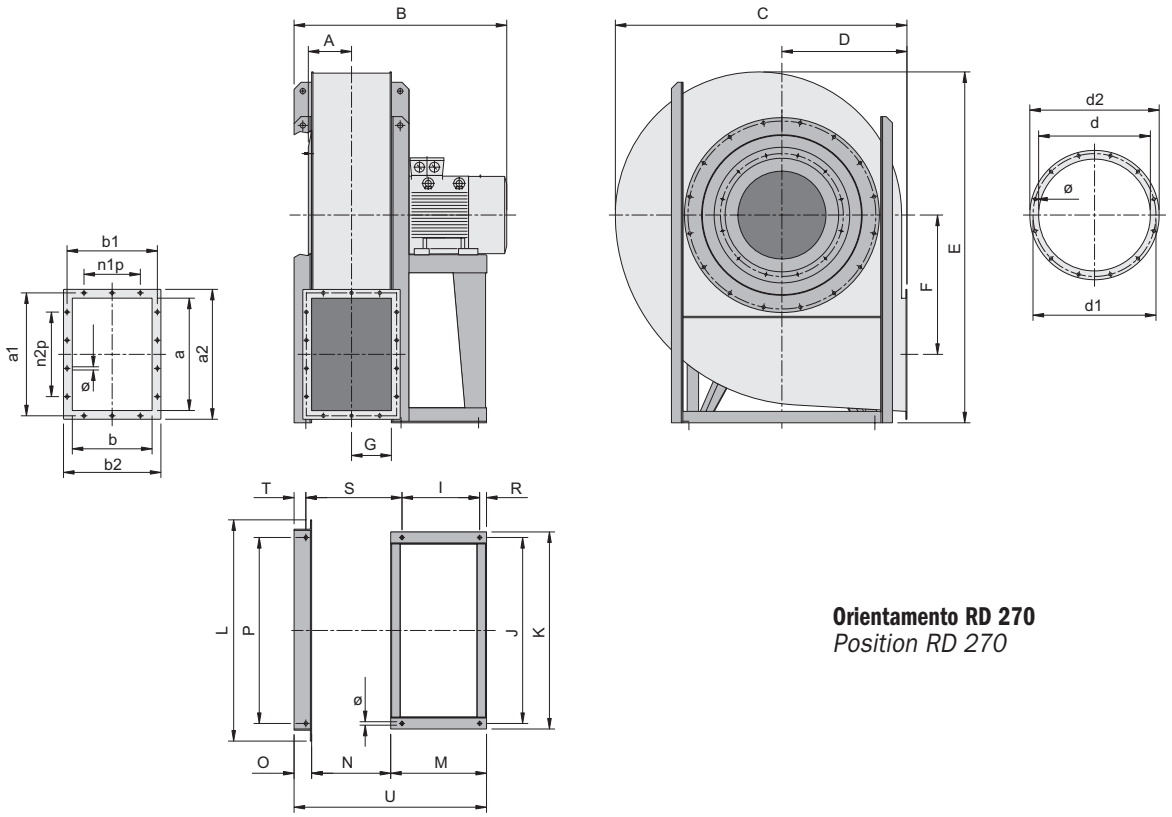
DIMENSIONI D'INGOMBRO
OVERALL DIMENSIONS

GR 400÷630

Peso ventilatore in Kgf (completo di motore) *Weight of ventilator (complete with motor)*
NOTA: quota B indicativa *NOTE: "B" quote indicative*

TIPO - *TYPE*		PESO WEIGHT	PD^2 GD^2	VENTILATORE FAN									
VENTILATORE *FAN*	MOTORE *MOTOR*	kgf	$kgf\ m^2$	A	B	C	D	E	F	G	H	H_1	H_2
GR 401 GR 402	90 L2 100 LA2	73 81	0,4 0,8	105	490 560	655	285	815	319	95	500	285	500
GR 451 GR 452	112 M2 132 SA2	99 112	1 1,2	115	585 647	735	320	915	357	106	560	320	560
GR 501 GR 502	132 SB2 160 MA2	145 203	1,9 2,3	127	671 807	832	360	1000	396	118	600	360	600
GR 561 GR 562 GR 563 GR 564	160 MA2 160 MB2 90 L4 100 LA4	227 240 137 144	3,2 3,6 3,1 3,5	142	847 847 579 649	940	400	1126	436	132	670	400	670
GR 631 GR 632 GR 633 GR 634	180 M2 200 LA2 100 LB4 112 M4	311 364 147 155	5 5,7 4,9 5,5	158	954 954 681 681	1052	450	1260	490	148	750	450	750

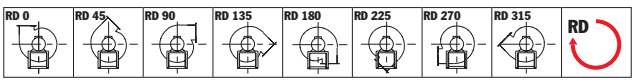
TIPO - *TYPE*	FLANGIA ASPIRANTE INLET FLANGE					FLANGIA PREMENTE OUTLET FLANGE										BASAMENTO BASE											
VENTILATORE *FAN*	d	d_1	d_2	n°	ø	a	b	a_1	b_1	a_2	b_2	n_1xp	n_2xp	n°	ø	I	J	K	L	M	N	O	P	Q	R	S	T	U	ø
GR 401 GR 402	255	292	325	8	10	258	185	292	219	328	255	1x112	2x112	10	12	136 197	234 289	260 324	- -	246 276	- -	- -	- -	55 30	58 49	- -	- -	- -	12
GR 451 GR 452	285	332	365	8	10	288	205	332	249	368	285	1x125	2x125	10	12	197 237	280 337	324 372	- -	276 336	- -	- -	- -	30 40	49 59	- -	- -	- -	12
GR 501 GR 502	320	366	400	8	10	322	229	366	273	402	309	1x125	2x125	10	12	237 337	337 395	372 440	- -	336 436	- -	- -	- -	40 50	59 49	- -	- -	- -	12 14
GR 561 GR 562 GR 563 GR 564	360	405	440	8	10	361	256	405	300	441	336	1x125	2x125	10	12	337 337 133 197	395 395 234 289	440 440 260 324	692	436 436 246 276	260	53	632	- - - -	49 49 58 49	340 340 345 320	23	728 728 518 563	14 14 10 12
GR 631 GR 632 GR 633 GR 634	405	448	485	12	10	404	288	448	332	484	368	2x125	3x125	14	12	357 381 197 197	434 506 289 289	488 568 324 324	762	460 500 276 276	292	53	702	- - - -	33 39 49 49	392 402 352 352	23	805 845 595 595	18 20 12 12



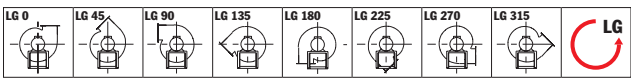
Orientamento RD 270
Position RD 270

GR 710÷1400

Direzioni di rotazione (vista lato motore) - *Rotation senses (seen from motor side)*



Rotazione oraria - Clockwise rotation sense



Rotazione anti-oraria - Anti-Clockwise rotation sense

DIMENSIONI D'INGOMBRO
OVERALL DIMENSIONS

TIPO - *TYPE*		PESO WEIGHT	PD² GD²	VENTILATORE FAN									
VENTILATORE *FAN*	MOTORE *MOTOR*	kgf	kgf m²	A	B	C	D	E	F	G	H	H_1	H_2
GR 711	200 LB2	440	10	185	995	1189	500	1416	558	161	670	500	850
GR 712	225 M2	481	11		1072								
GR 713	112 M4	246	8,8		722								
GR 714	132 SA4	258	9,8		784								
GR 801	280 S2	603	16	199	1260	1340	560	1591	625	180	755	560	950
GR 802	280 M2	694	18		1260								
GR 803	132 MA4	331	15,6		842								
GR 804	160 M4	389	17,5		978								
GR 901	315 MA2	938	27	221	1446	1500	630	1780	703	202	850	630	1060
GR 902	315 MC2	964	33		1446								
GR 903	160 L4	478	26		1022								
GR 904	180 L4	534	31		1097								
GR 905	132 MA6	388	26		886								
GR 906	132 MB6	399	30		886								
GR 1001	200 L4	671	45	246	1165	1685	710	1993	791	226	950	710	1180
GR 1002	225 S4	713	50		1242								
GR 1003	160 M6	556	44		1090								
GR 1004	160 L6	587	49		1090								
GR 1121	225 M4	985	84	277	1296	1884	800	2222	891	253	1060	800	1320
GR 1122	250 M4	1056	90		1296								
GR 1123	180 L6	825	82		1219								
GR 1124	200 LA6	906	89		1219								
GR 1251	280 S4	1356	151	310	1489	2116	900	2517	1003	284	1190	900	1500
GR 1252	315 S4	1392	160		1489								
GR 1253	200 LB6	1111	148		1282								
GR 1254	225 M6	1182	158		1359								
GR 1401	315 MA4	1930	251	344	1730	2325	1000	2816	1116	319	1320	1000	1700
GR 1402	315 MC4	2016	266		1730								
GR 1403	250 M6	1625	248		1458								
GR 1404	280 M6	1741	263		1588								

GR 710÷1400

Peso ventilatore in Kgf (completo di motore)
Weight of ventilator (complete with motor)
NOTA: quota B indicativa
NOTE: "B" quote indicative

TIPO - *TYPE*	FLANGIA ASPIRANTE INLET FLANGE					FLANGIA PREMENTE OUTLET FLANGE									BASAMENTO BASE												
VENTILATORE *FAN*	d	d_1	d_2	n°	ø	a	b	a_1	b_1	a_2	b_2	$n_1$xp	$n_2$xp	n°	ø	I	J	K	L	M	N	O	P	Q	R	S	T	U	ø
GR 711	455	497	535	12	10	453	322	497	366	533	402	2x125	3x125	14	12	401	772	826	914	500	322	60	772	-	39	415	27	882	20
GR 712																440				540				-	39			922	
GR 713																151				276				-	49			632	
GR 714																201				336				-	59			682	
GR 801	505	551	585	12	10	507	361	551	405	587	441	2x125	3x125	14	12	591	862	926	1044	690	361	80	862	-	39	454	47	1131	20
GR 802																591				690				-	39			1131	
GR 803																201				336				-	59			741	
GR 804																316				436				-	49			856	
GR 901	565	629	665	12	10	569	404	629	464	669	504	2x160	3x160	14	14	701	962	1026	1144	800	404	80	962	-	39	497	47	1284	20
GR 902																701				800					39			1284	
GR 903																316				436					49			899	
GR 904																361				460					39			944	
GR 905																201				336					59			784	
GR 906																201				336					59			784	
GR 1001	635	698	735	12	12	638	453	698	513	738	553	2x160	3x160	14	14	400	1056	1128	1254	500	453	100	1056	-	45	541	67	1053	20
GR 1002																400				540					45			1093	
GR 1003																315				436					49			968	
GR 1004																315				436					49			968	
GR 1121	715	775	815	16	12	715	507	775	567	815	607	2x160	4x160	16	14	415	1178	1268	1400	540	507	100	1178	-	45	632	55	1147	24
GR 1122																475				600								1207	
GR 1123																335				460								1067	
GR 1124																375				500								1107	
GR 1251	805	861	905	16	12	801	569	871	639	921	689	2x200	3x200	14	14	565	1310	1400	1530	690	569	100	1310	-	45	694	55	1359	24
GR 1252																675				800								1469	
GR 1253																375				500								1169	
GR 1254																415				540								1209	
GR 1401	905	958	1005	16	12	898	638	968	708	1018	758	3x200	4x200	18	14	645	1450	1560	1690	800	638	130	1450	-	55	783	85	1568	24
GR 1402																645				800								1568	
GR 1403																475				600								1368	
GR 1404																535				690								1458	

MOTORE A 2 POLI - *2 POLES MOTORS*

TIPO - *TYPE*						Qv m³/h														
VENTILATORE *FAN*	MOTORE *MOTOR*	KW inst.	KW ass.	n	dB(A)	930	1080	1190	1330	1500	1700	1900	2150	2400	2700	3050	3450	3850	4250	4750
GR 401	**90 L2**	2,2	2,15	2850	77				224	224	222	220	218	214	200	191				
GR 402	**100 LA2**	3	2,5	2900	78				268	268	263	258	249	239	229	224	205	180	161	117
GR 451	**112 M2**	4	3,7	2910	80							297	297	292	288	283	273	263	258	
GR 452	**132 SA2**	5,5	4,7	2890	83							341	341	336	331	327	312	297	283	263
GR 501	**132 SB2**	7,5	6,9	2890	84										375	375	370	366	356	341
GR 502	**160 MA2**	11	8,3	2930	86										434	434	429	419	409	395
GR 561	**160 MA2**	11	10,4	2930	89													468	468	458
GR 562	**160 MB2**	15	13,5	2935	88													536	536	526
GR 631	**180 M2**	22	20,6	2940	89															
GR 632	**200 LA2**	30	27,2	2950	90															
GR 711	**200 LB2**	37	35	2950	93															
GR 712	**225 M2**	45	43	2950	94															
GR 801	**280 S2**	75	65	2950	94															
GR 802	**280 M2**	90	83	2950	96															
GR 901	**315 MA2**	132	117	2960	98															
GR 902	**315 MC2**	160	150	2960	98															

VENTILATORE *FAN*	MOTORE *MOTOR*	5400	6150	6850	7650	8500	9500	10800	12000	13500	15300	17000	19000	21600	24200	27000	30600	34200	38200	42500	47500	54000	61000	68500
GR 401	**90 L2**																							
GR 402	**100 LA2**																							
GR 451	**112 M2**																							
GR 452	**132 SA2**	234	185	146																				
GR 501	**132 SB2**	322	297																					
GR 502	**160 MA2**	375	346	312	273	234	175																	
GR 561	**160 MA2**	453	444	434	419	390																		
GR 562	**160 MB2**	517	507	497	478	448	414	351	302	224														
GR 631	**180 M2**	619	614	609	600	590	570	536	492															
GR 632	**200 LA2**	707	702	697	687	673	653	624	585	546	483	414	302											
GR 711	**200 LB2**				795	790	780	765	746	721	687	643												
GR 712	**225 M2**				912	907	897	877	858	829	790	741	692	614	546	390								
GR 801	**280 S2**							1014	1009	999	985	970	941	907	819									
GR 802	**280 M2**							1155	1150	1141	1121	1102	1072	1033	975	907	829	682	487					
GR 901	**315 MA2**										1287	1277	1267	1248	1228	1194	1150	1033						
GR 902	**315 MC2**										1467	1458	1448	1423	1394	1365	1316	1238	1150	1043	916	614		

TOLLERANZA SULLA PORTATA ±5% - *LOAD TOLERANCE ±5%* **TOLLERANZA SULLA RUMOROSITÀ +3dB (A)** - *NOISE TOLERANCE +3dB (A)*

pt mmH2O= da Pa

Valori riferiti a:/ ***Datas referring to:*** **T=15°C; P=1 atm**

MOTORE A 4/6 POLI - *4/6 POLES MOTORS*

TIPO - *TYPE*						Qv m^3/h																																					
VENTILATORE *FAN*	MOTORE *MOTOR*	KW inst.	KW ass.	n	dB(A)	1700	1900	2150	2400	2700	3050	3450	3850	4250	4750	5400	6150	6850	7650	8500	9500	10800	12000	13500	15300	17000	19000	21600	24200	27000	30600	34200	38200	42500	47500	54000	61000	68500	76500	85000	95400	108000	120600
GR 563	**90 L4**	1,5	1,39	1400	67		117	117	116	114	112	109	104	96																													
GR 564	**100 LA4**	2,2	1,82	1420	69		135	135	133	131	128	124	119	109	103	88	70	57																									
GR 633	**100 LB4**	3	2,6	1430	71					155	155	153	151	147	142	136	129																										
GR 634	**112 M4**	4	3,6	1425	72					177	177	174	172	168	163	156	146	134	115	103	76																						
GR 713	**112 M4**	4	3,7	1425	74								189	189	186	183	177	166	163	152																							
GR 714	**132 SA4**	5,5	5,3	1440	75								226	226	224	219	214	207	197	185	173	153	127	97																			
GR 803	**132 MA4**	7,5	7,1	1450	77											248	248	245	242	237	231	221	208																				
GR 804	**160 M4**	11	10,3	1450	80											288	288	285	280	275	268	258	240	226	207	166	122																
GR 903	**160 L4**	15	13,8	1450	80														317	317	314	312	307	297	283	268																	
GR 904	**180 L4**	22	20,1	1470	81														366	366	361	356	346	336	327	312	288	258	218	156													
GR 1001	**200 L4**	30	25,5	1470	85																	390	390	388	385	380	370	351	331														
GR 1002	**225 S4**	37	31	1475	86																	453	453	448	439	429	414	400	385	356	307	258	195										
GR 1121	**225 M4**	45	43	1475	87																				497	492	487	483	478	468	434	395											
GR 1122	**250 M4**	55	53	1475	89																				575	570	561	551	536	522	502	483	444	400	346	230							
GR 1251	**280 S4**	75	73	1475	91																							619	614	609	604	595	580	551	502								
GR 1252	**315 S4**	110	99	1480	92																							712	707	702	692	668	648	624	600	551	473	390	292				
GR 1401	**315 MA4**	132	121	1480	93																										799	795	785	770	751	726	692	648					
GR 1402	**315 MC4**	160	150	1480	98																										916	912	902	882	863	834	795	746	697	619	502	366	
GR 905	**132 MA6**	4	3,8	960	68										128	127	126	125	123	119	112	105																					
GR 906	**132 MB6**	5,5	5,1	960	70										148	146	144	142	140	135	131	124	114	101	80	58																	
GR 1003	**160 M6**	7,5	6,7	965	72													161	159	157	155	153	150	141	132																		
GR 1004	**160 L6**	11	8,6	965	73													187	185	183	179	175	169	163	156	143	127	99	74														
GR 1123	**180 L6**	15	12,1	965	75																210	208	205	204	202	198	183	175															
GR 1124	**200 LA6**	18,5	14,8	970	75																244	239	234	229	222	216	213	199	181	162	140	96											
GR 1253	**200 LB6**	22	19,9	970	78																			259	257	255	252	248	242	229	207												
GR 1254	**225 M6**	30	26	970	78																			312	307	302	297	290	281	271	259	239	214	185	133								
GR 1403	**250 M6**	37	35	980	82																					336	331	327	322	317	307	292	273									
GR 1404	**280 M6**	55	49,5	980	83																					390	385	380	375	361	351	331	322	292	258	229	161					

TOLLERANZA SULLA PORTATA ±5% - *LOAD TOLERANCE ±5%* **TOLLERANZA SULLA RUMOROSITÀ +3dB (A)** - *NOISE TOLERANCE +3dB (A)* **pt mmH2O= da Pa**

Valori riferiti a:/ *Datas referring to:* T=15°C; P=1 atm

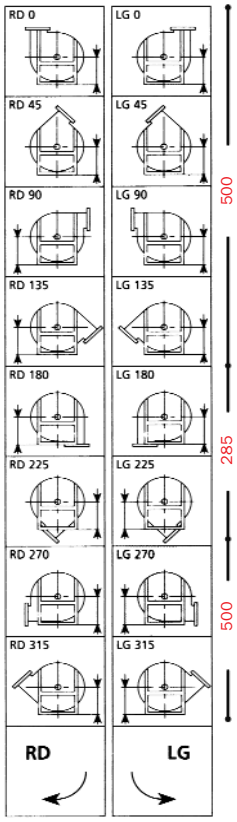
GR

PRESTAZIONI VENTILATORI A TRASMISSIONE

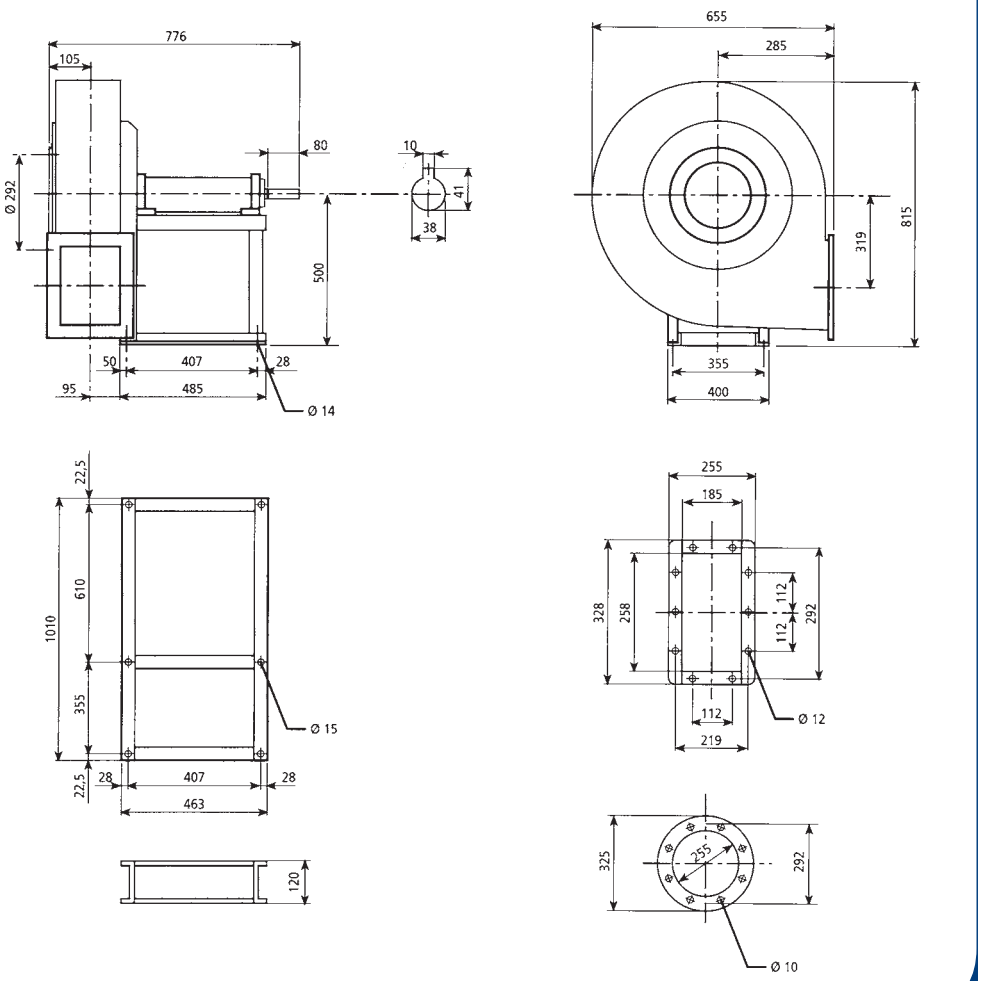
BELT DRIVEN FANS PERFORMANCES

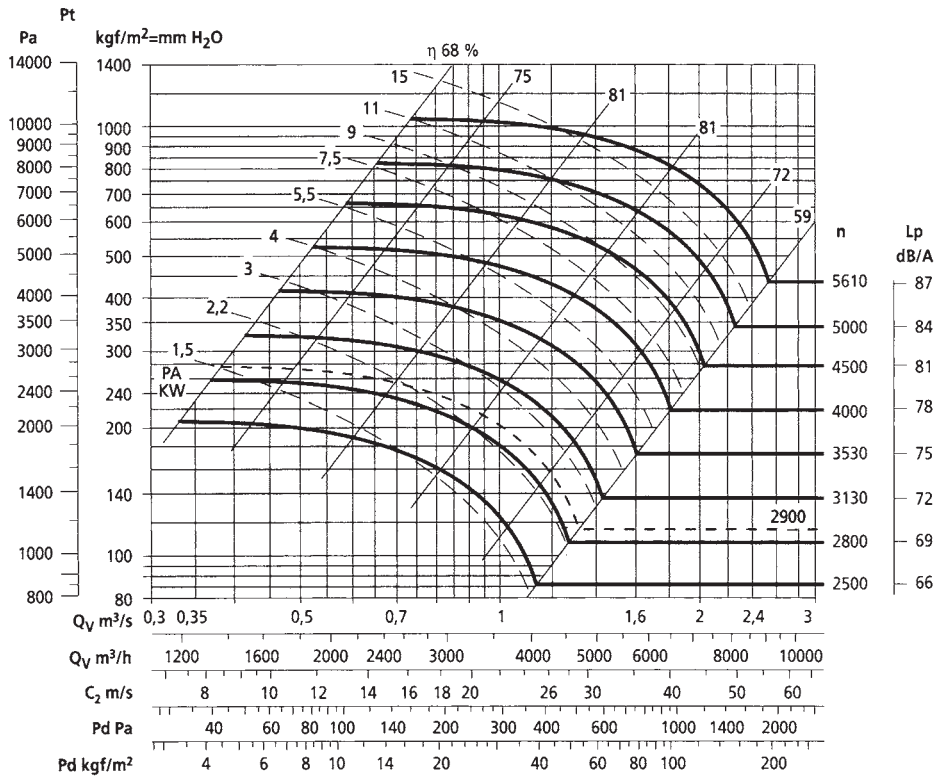
PRESTAZIONI VENTILATORI A TRASMISSIONE
BELT DRIVEN FANS PERFORMANCES

GR 400T



Il ventilatore è orientabile
The fan is revolvable





Peso ventilatore in kgf 78
Weight of ventilator in kgf 78

PD^2
GD^2 = 0,85 kgf m²

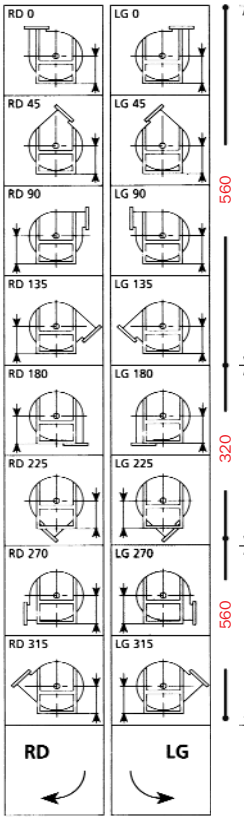
Massima velocità di rotazione
Maximum rotation speed

<100°C = 5500
100÷200°C = 5000
200÷300°C = 4500

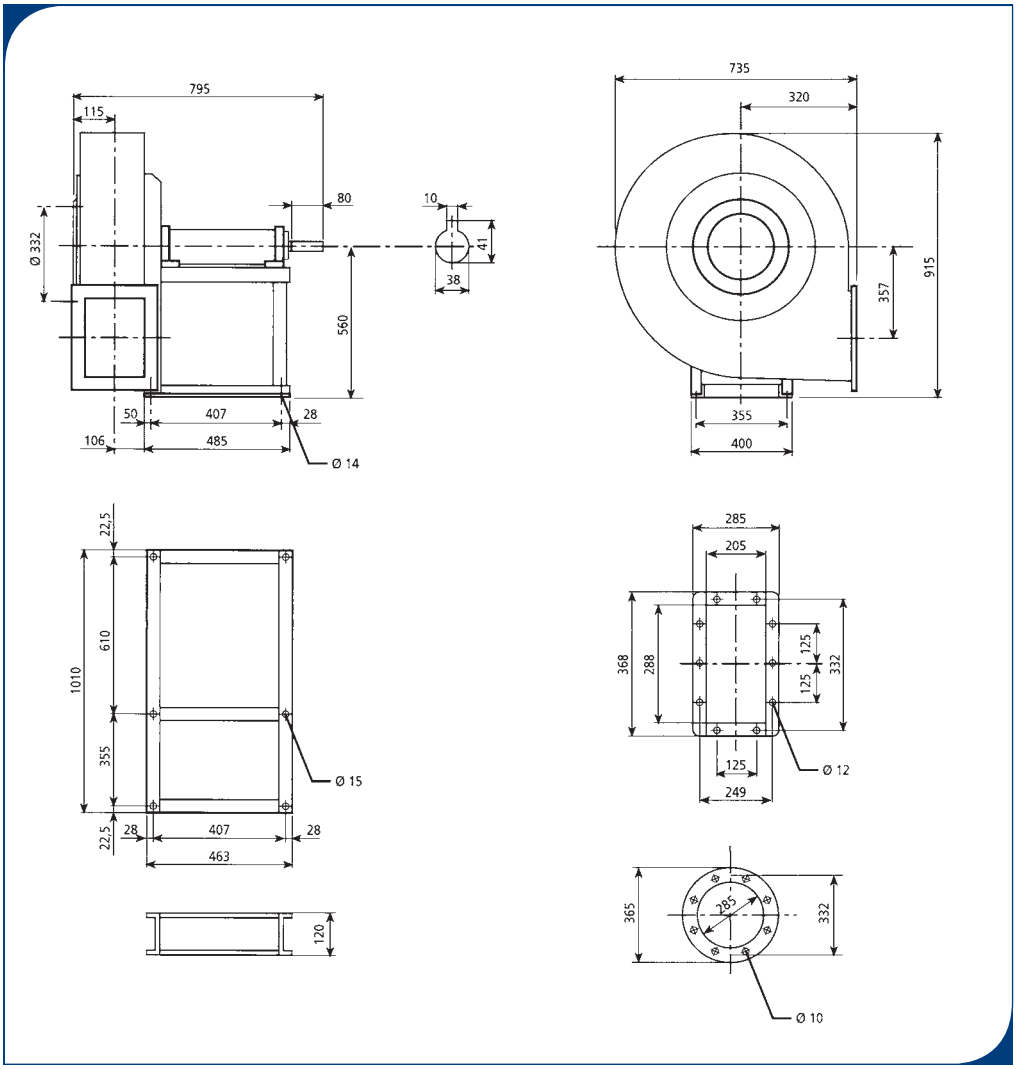
Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

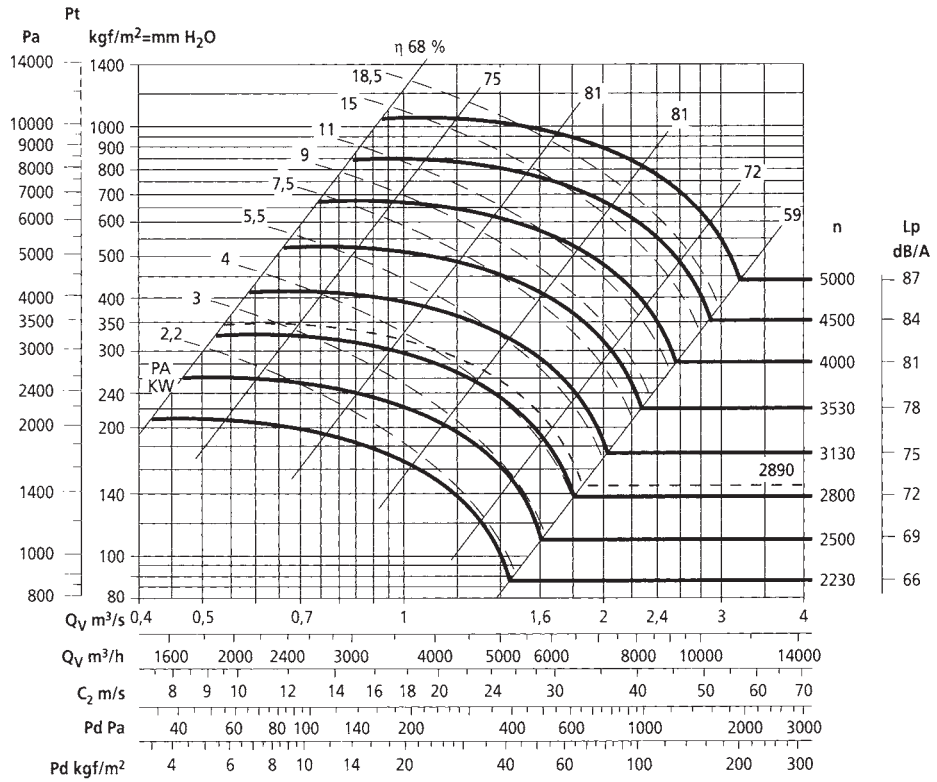
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

GR 450T



Il ventilatore è orientabile
The fan is revolvable





Peso ventilatore in kgf 94
Weight of ventilator in kgf 94

PD^2
GD^2 = 1,3 kgf m²

Massima velocità di rotazione
Maximum rotation speed

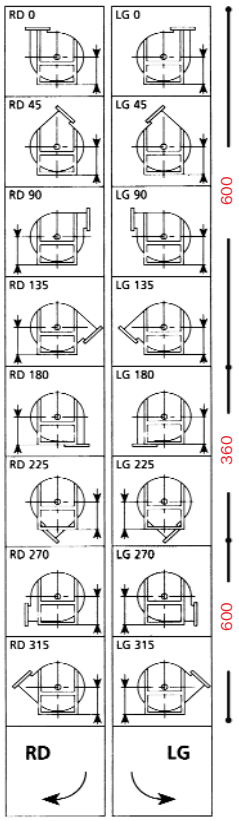
<100°C = 4950
100÷200°C = 4500
200÷300°C = 4000

Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

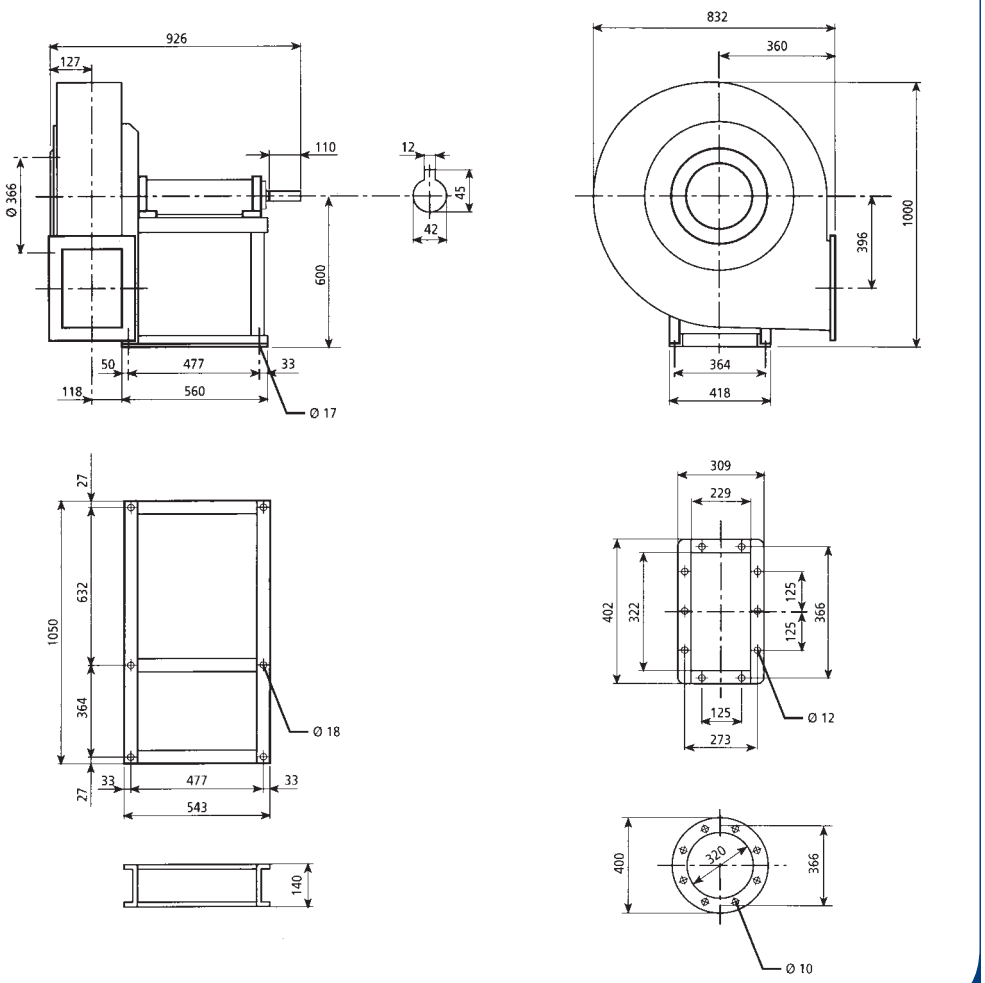
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

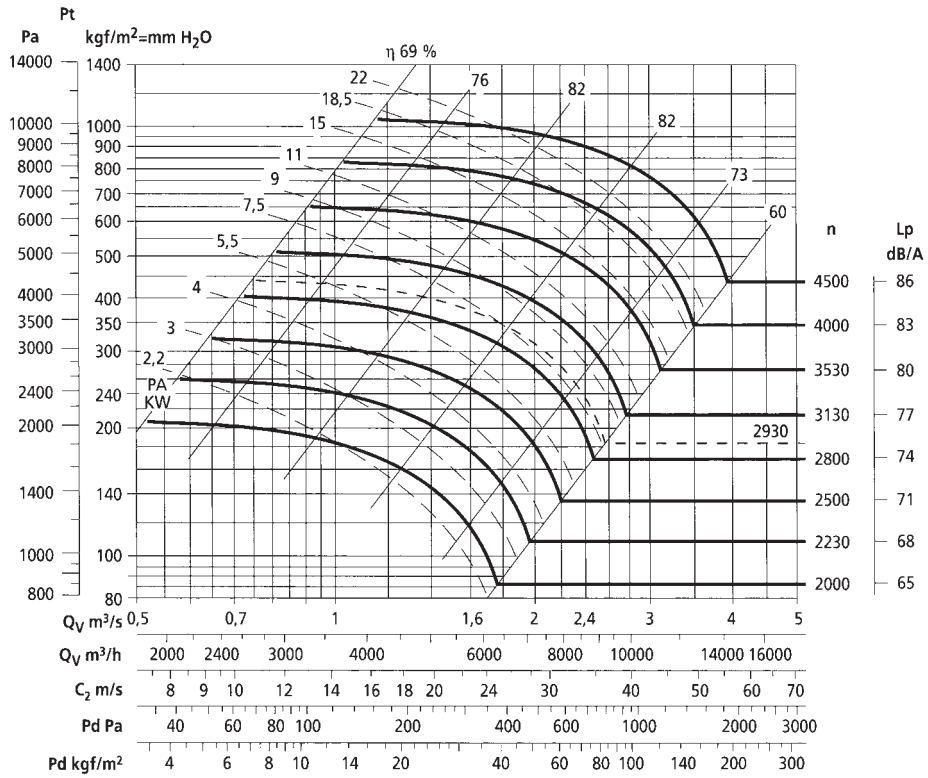
PRESTAZIONI VENTILATORI A TRASMISSIONE
BELT DRIVEN FANS PERFORMANCES

GR 500T



Il ventilatore è orientabile
The fan is revolvable





Peso ventilatore in kgf 135
Weight of ventilator in kgf 135

PD^2 = 2,45 kgf m^2
GD^2

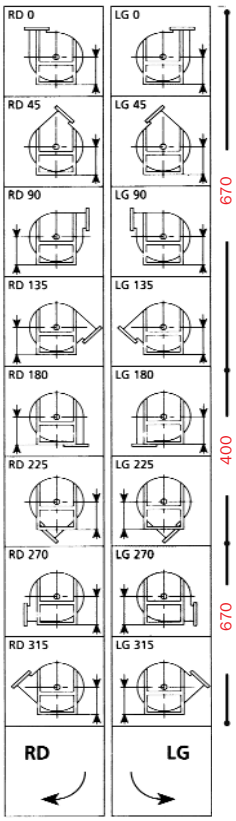
Massima velocità di rotazione
Maximum rotation speed

<100°C = 4500
100÷200°C = 3950
200÷300°C = 3500

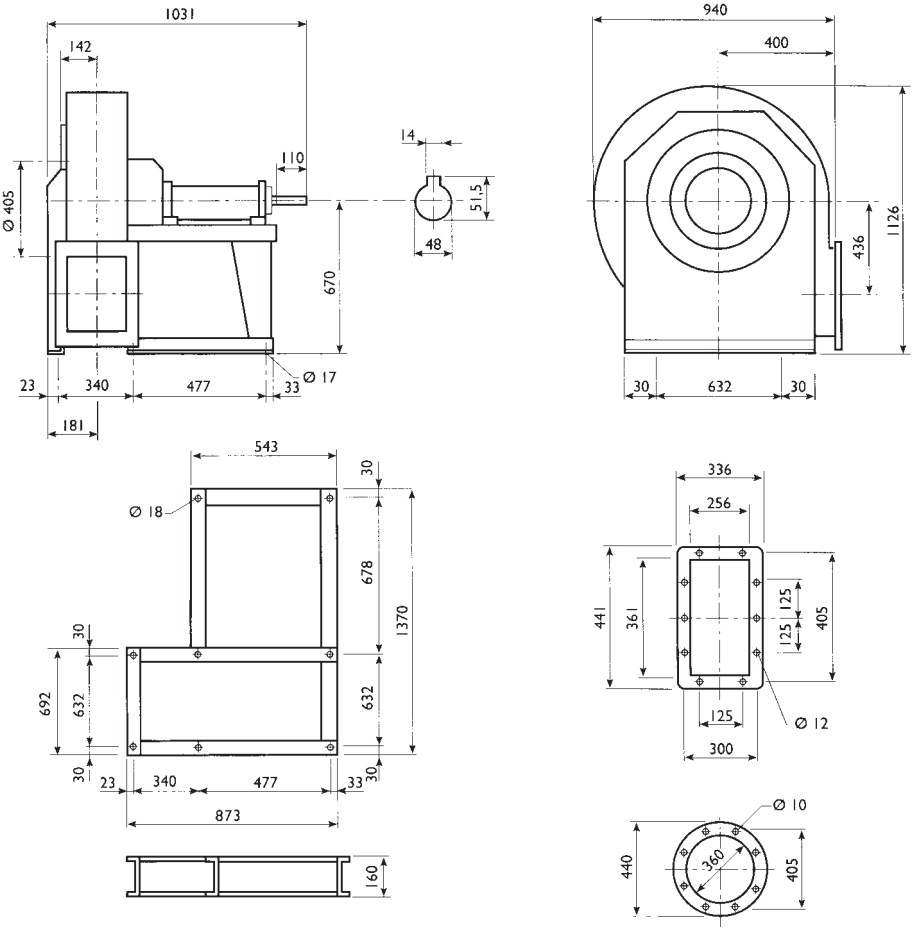
Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

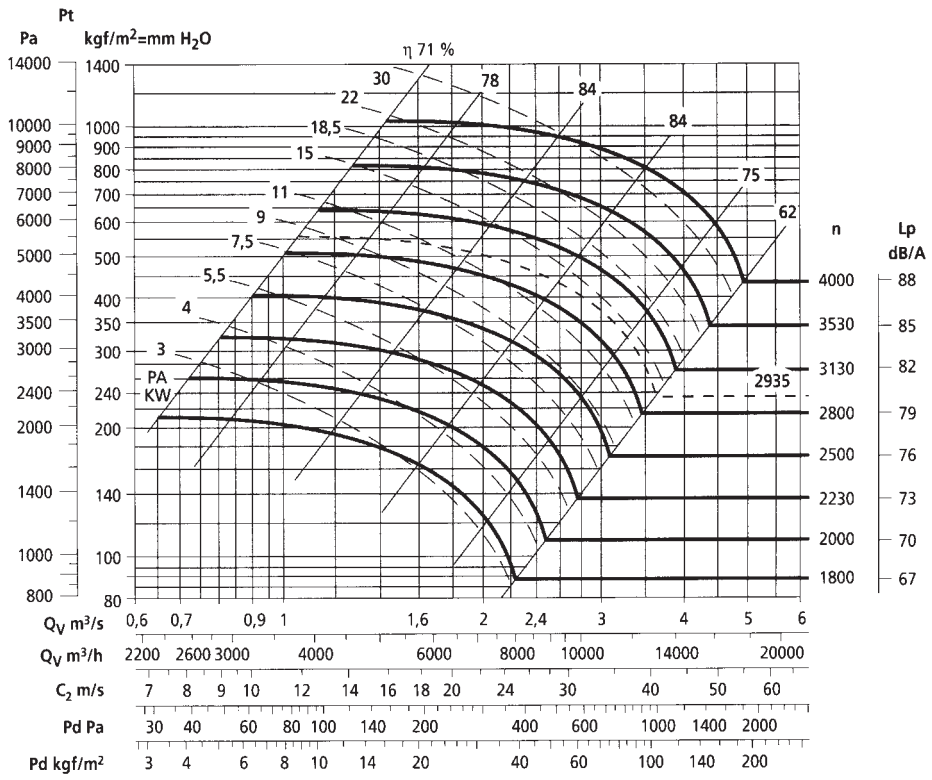
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

GR 560T



Il ventilatore è orientabile
The fan is revolvable





Peso ventilatore in kgf 173
Weight of ventilator in kgf 173

PD^2
GD^2 = 3,7 kgf m²

Massima velocità di rotazione
Maximum rotation speed

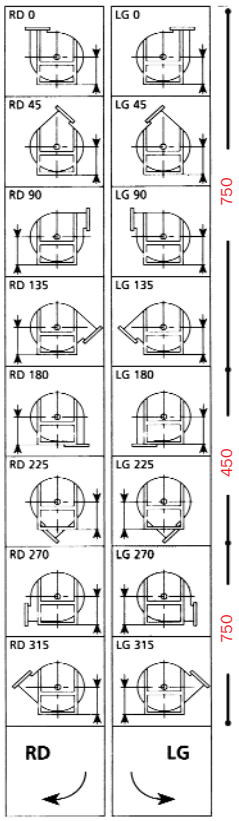
<100°C = 3950
100÷200°C = 3500
200÷300°C = 3125

Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

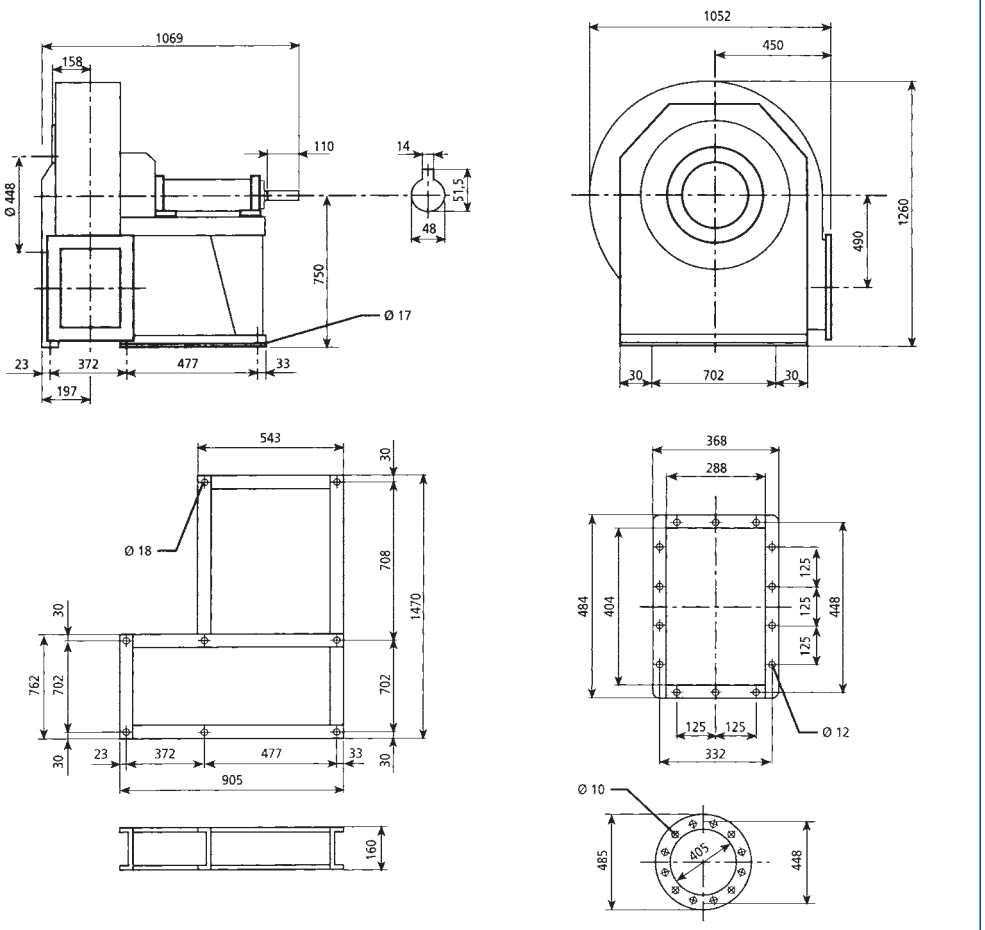
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

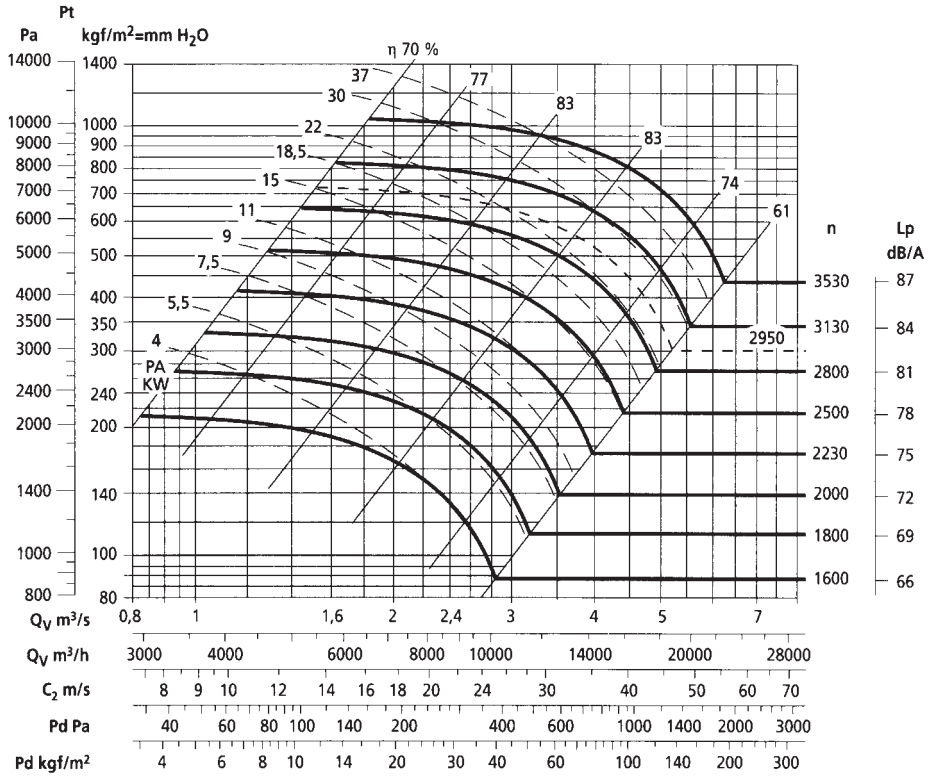
PRESTAZIONI VENTILATORI A TRASMISSIONE
BELT DRIVEN FANS PERFORMANCES

GR 630T



Il ventilatore è orientabile
The fan is revolvable





Peso ventilatore in kgf 209
Weight of ventilator in kgf 209

PD^2
GD^2 = 6 kgf m²

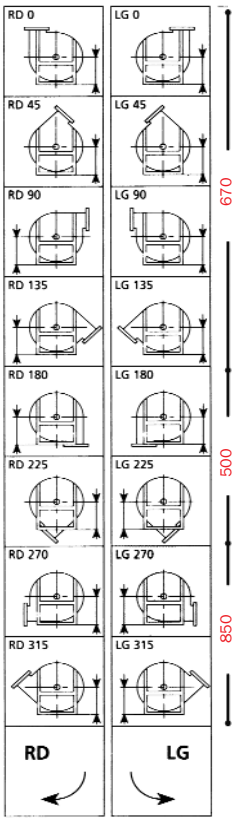
Massima velocità di rotazione
Maximum rotation speed

<100°C = 3500
100÷200°C = 3150
200÷300°C = 2850

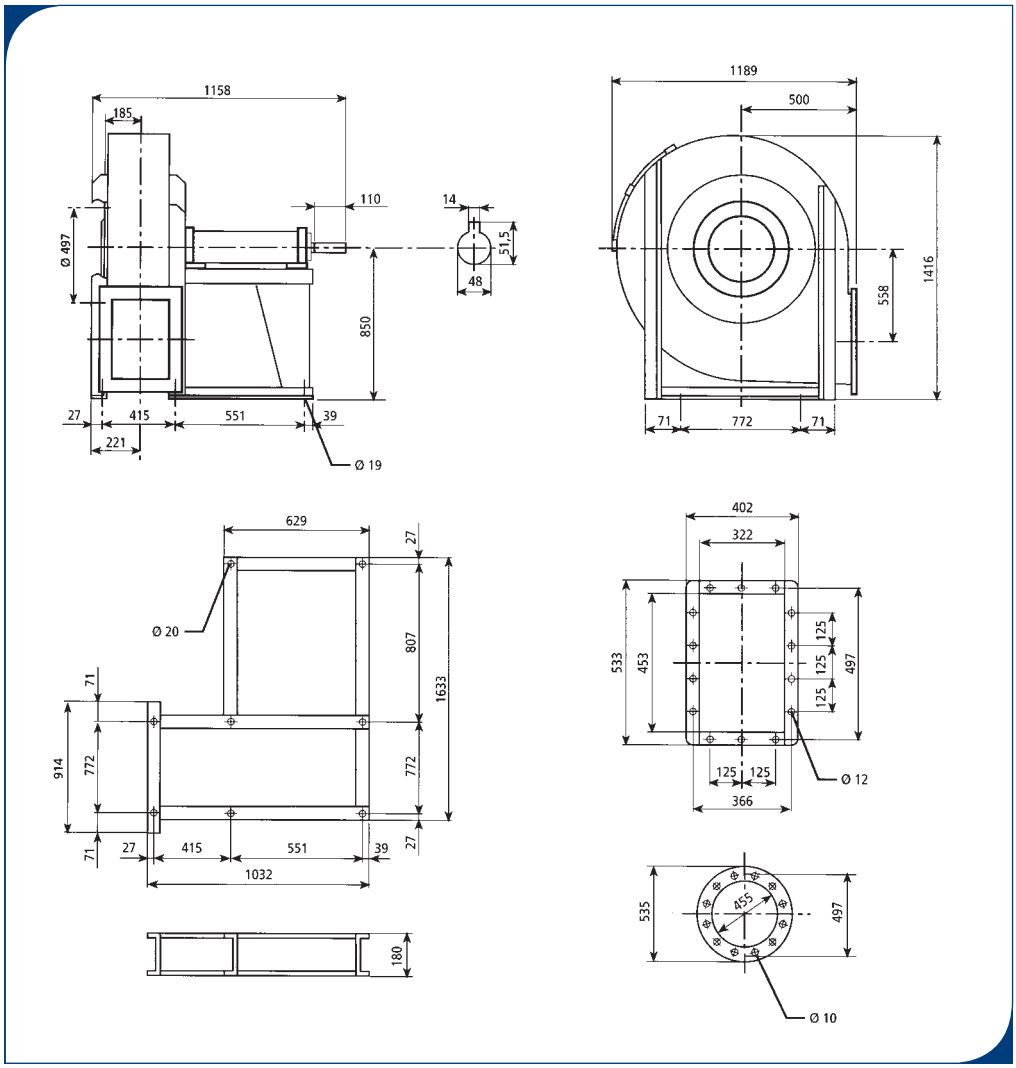
Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

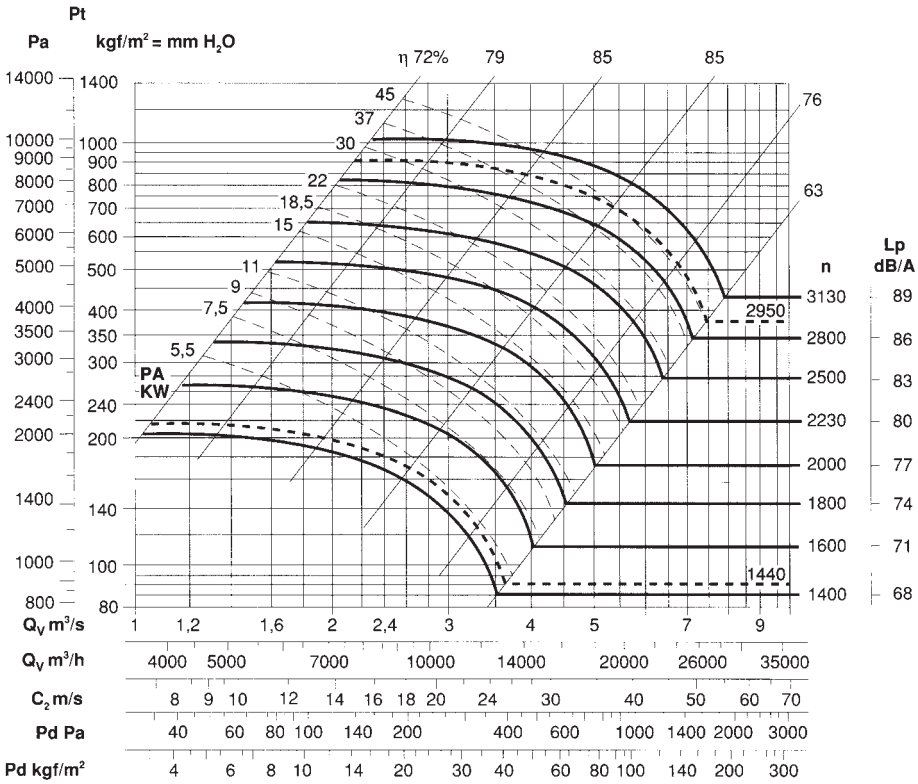
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

GR 710T



Il ventilatore non è orientabile
The fan is not revolvable





Peso ventilatore in kgf 270
Weight of ventilator in kgf 270

PD^2
GD^2 = 11,1 kgf m²

Massima velocità di rotazione
Maximum rotation speed

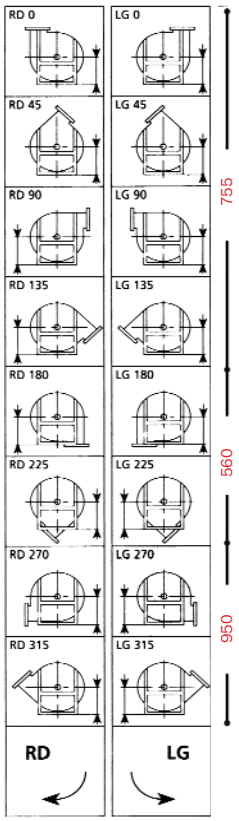
<100°C = 3150
100÷200°C = 2780
200÷300°C = 2500

Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

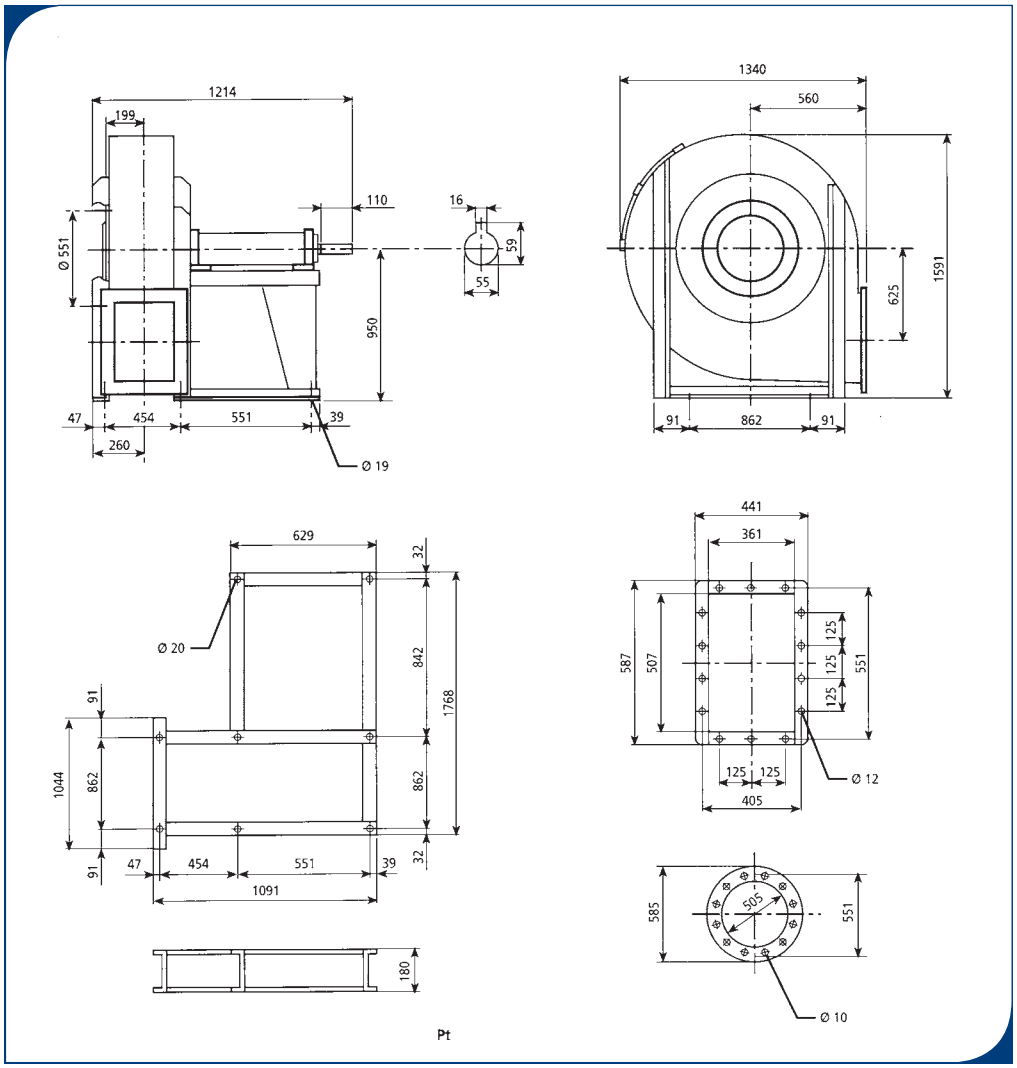
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

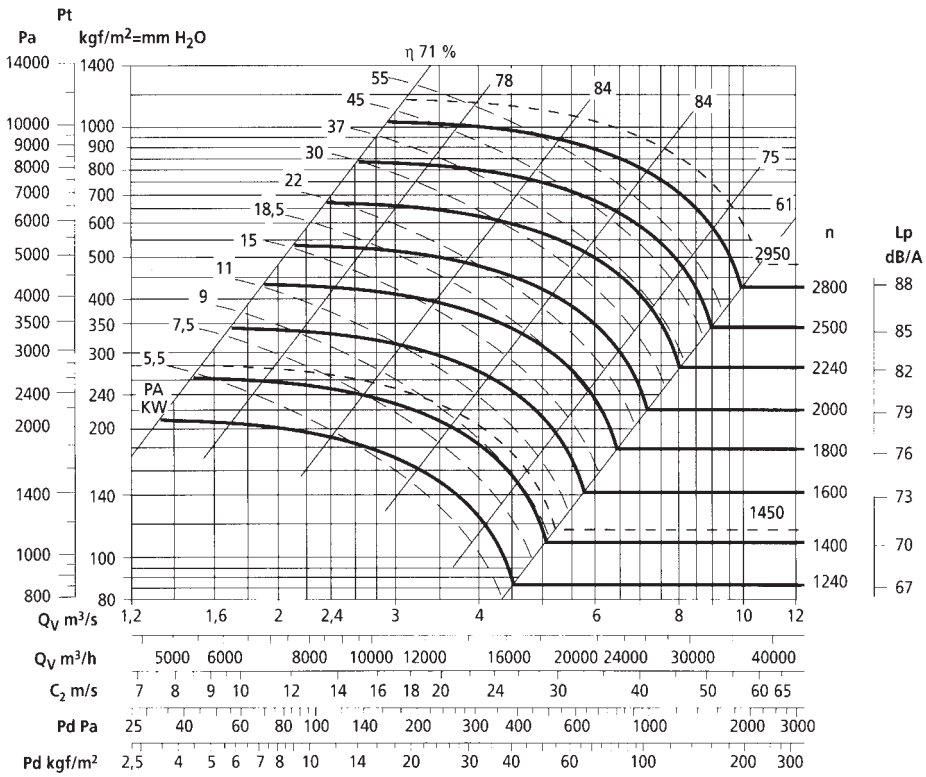
PRESTAZIONI VENTILATORI A TRASMISSIONE
BELT DRIVEN FANS PERFORMANCES

GR 800T



Il ventilatore non è orientabile
The fan is not revolvable





Peso ventilatore in kgf 330
Weight of ventilator in kgf 330

PD^2
GD^2 = 18,1 kgf m²

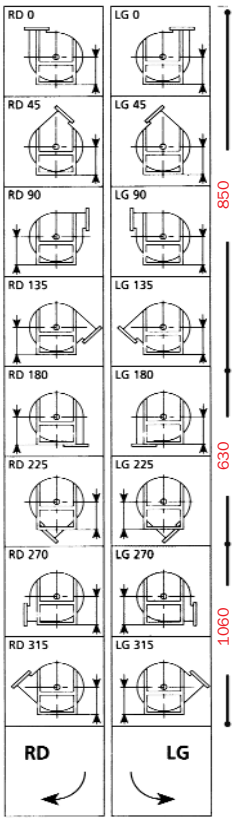
Massima velocità di rotazione
Maximum rotation speed

<100°C = 2800
100÷200°C = 2450
200÷300°C = 2220

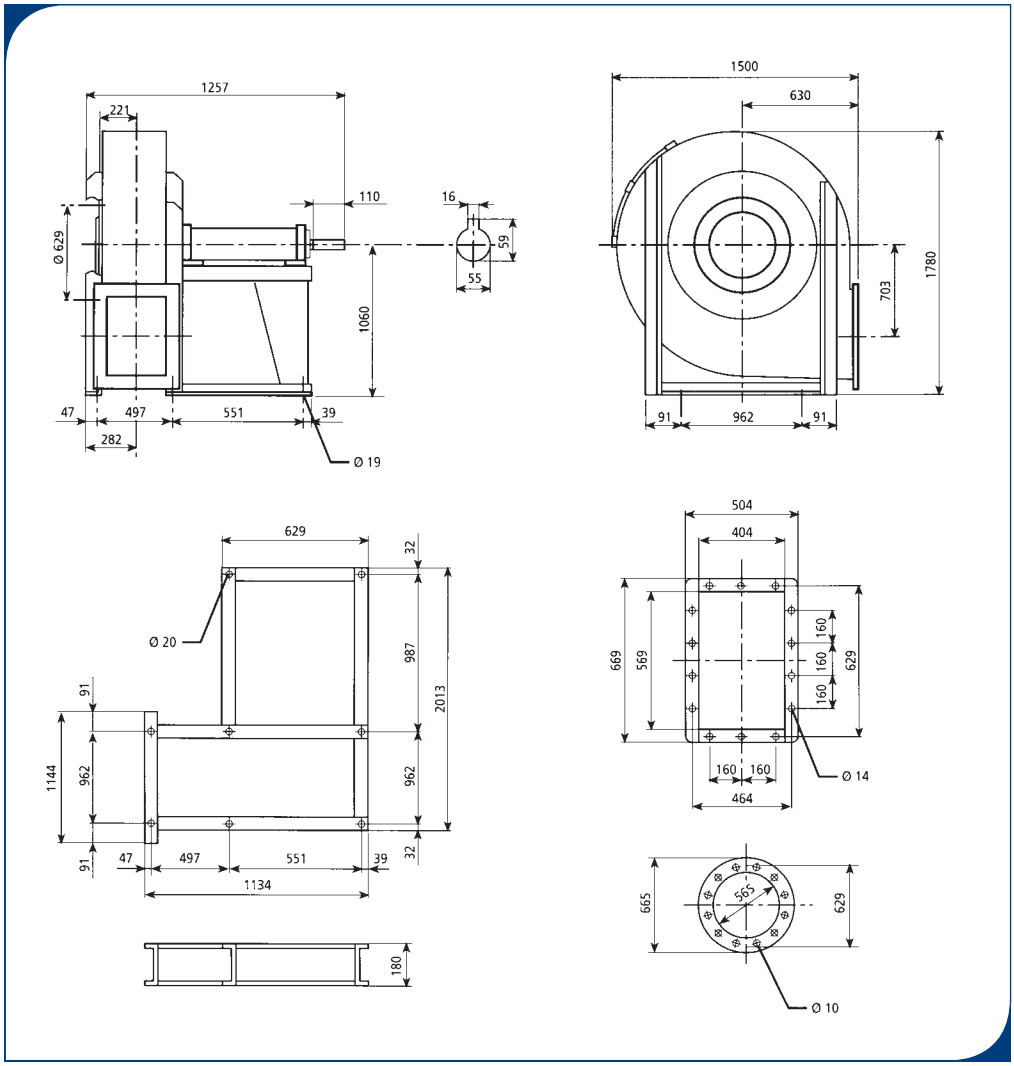
Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

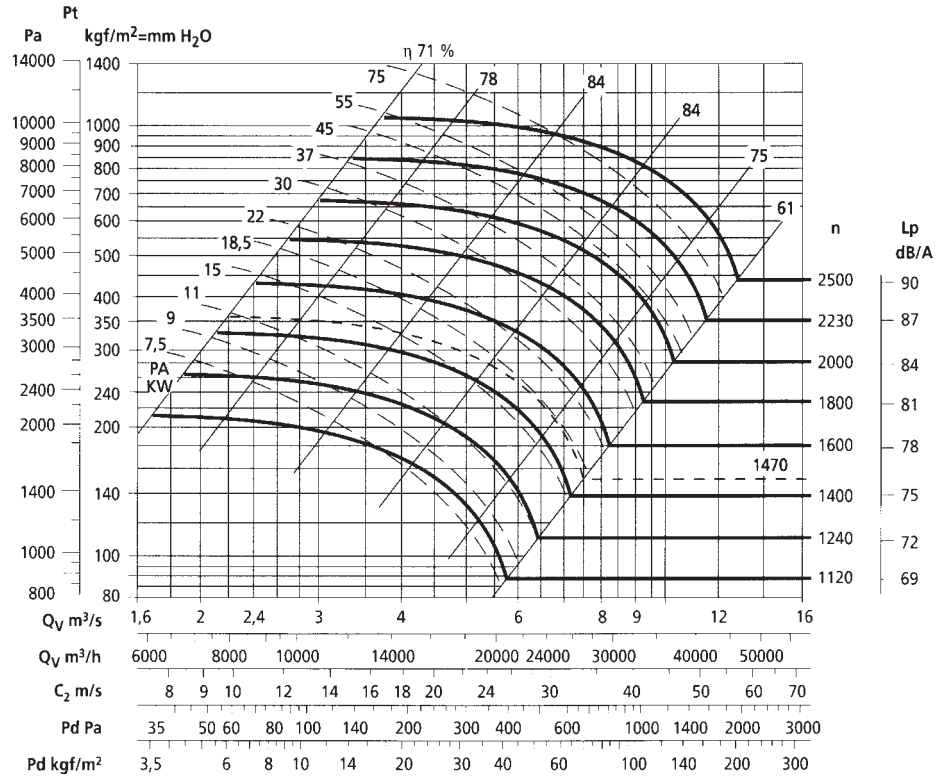
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

GR 900T



Il ventilatore non è orientabile
The fan is not revolvable





Peso ventilatore in kgf 395
Weight of ventilator in kgf 395

PD^2
GD^2 = 33,1 kgf m²

Massima velocità di rotazione
Maximum rotation speed

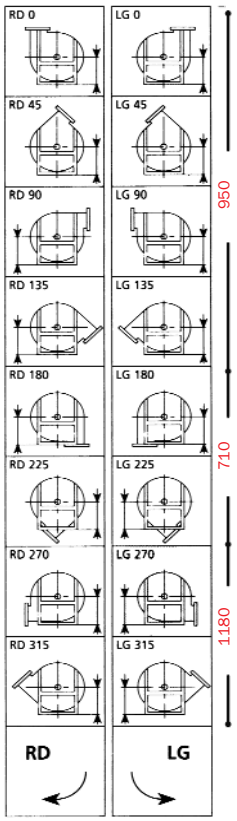
<100°C = 2500
100÷200°C = 2250
200÷300°C = 2000

Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

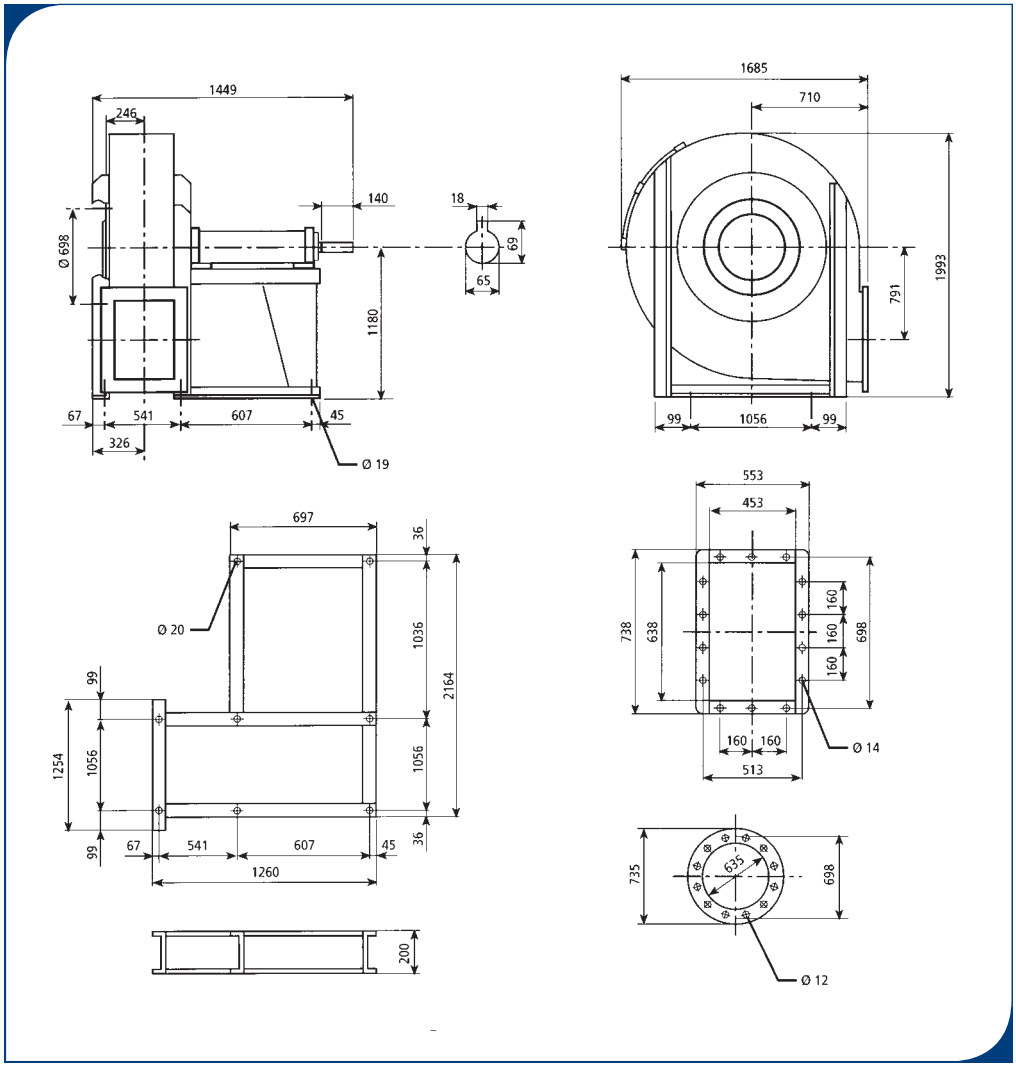
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

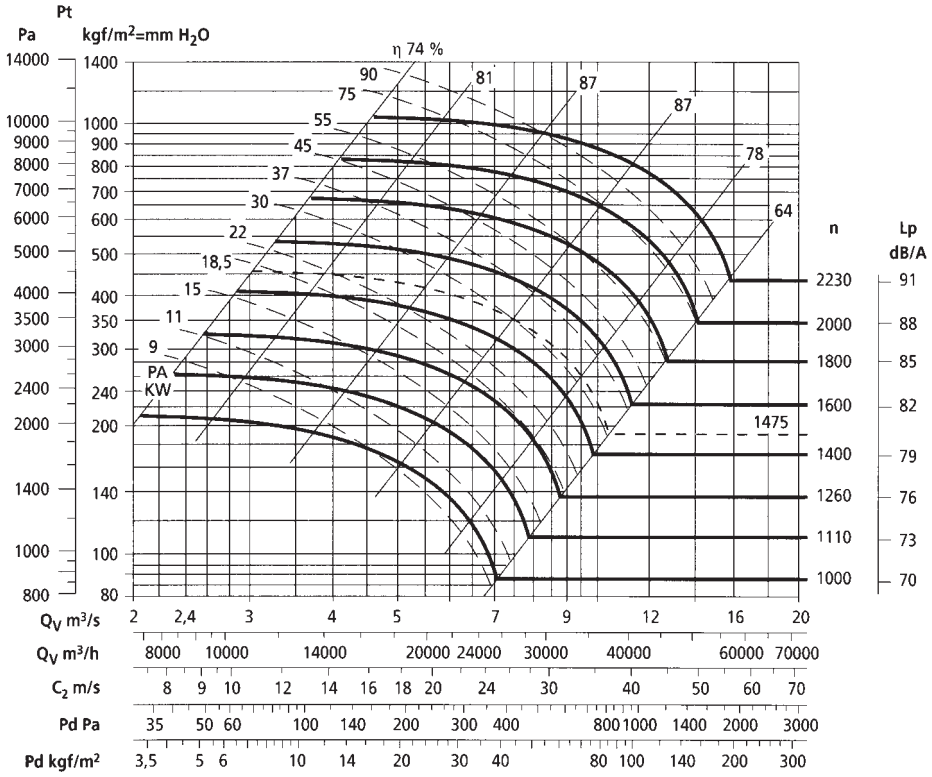
PRESTAZIONI VENTILATORI A TRASMISSIONE
BELT DRIVEN FANS PERFORMANCES

GR 1000T



Il ventilatore non è orientabile
The fan is not revolvable





Peso ventilatore in kgf 515
Weight of ventilator in kgf 515

PD^2
GD^2 = 50,5 kgf m²

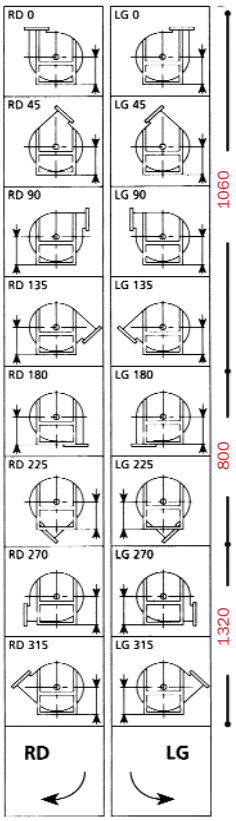
Massima velocità di rotazione
Maximum rotation speed

<100°C = 2230
100÷200°C = 2000
200÷300°C = 1800

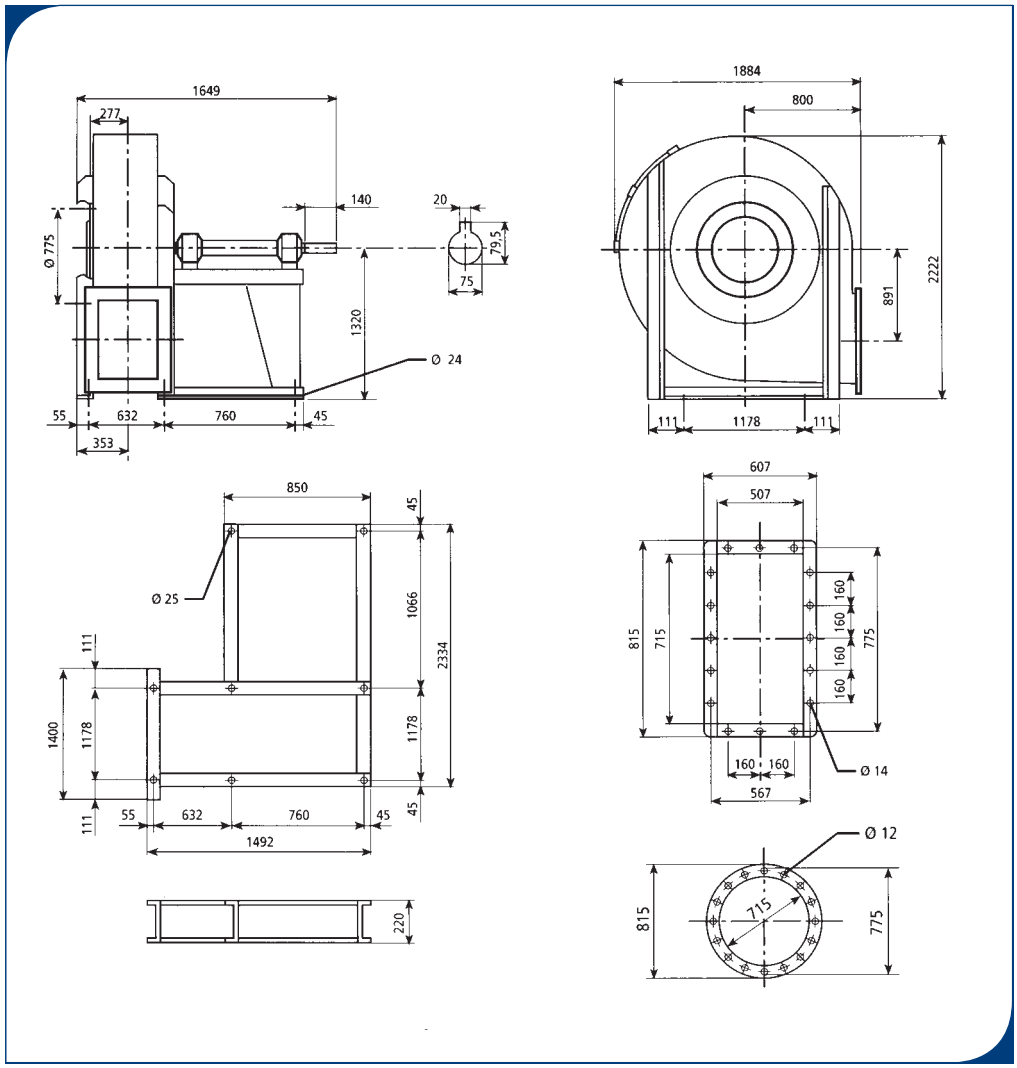
Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

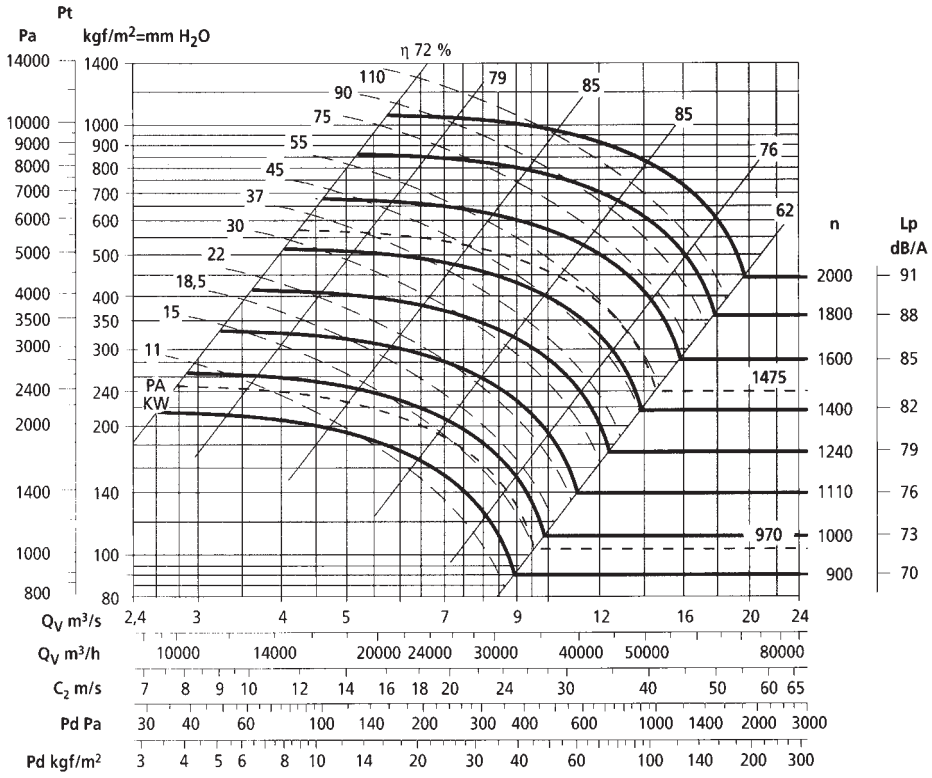
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

GR 1120T



Il ventilatore non è orientabile
The fan is not revolvable





Peso ventilatore in kgf 795
Weight of ventilator in kgf 795

PD^2
GD^2 = 91 kgf m²

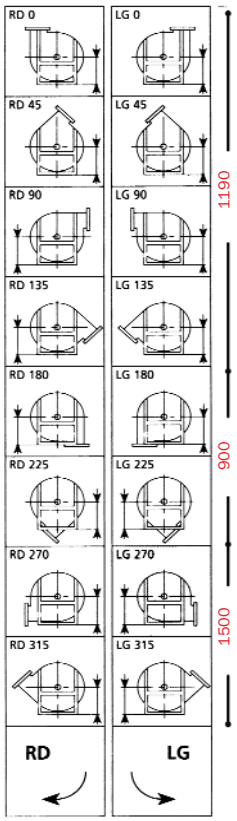
Massima velocità di rotazione
Maximum rotation speed

<100°C = 2000
100÷200°C = 1800
200÷300°C = 1600

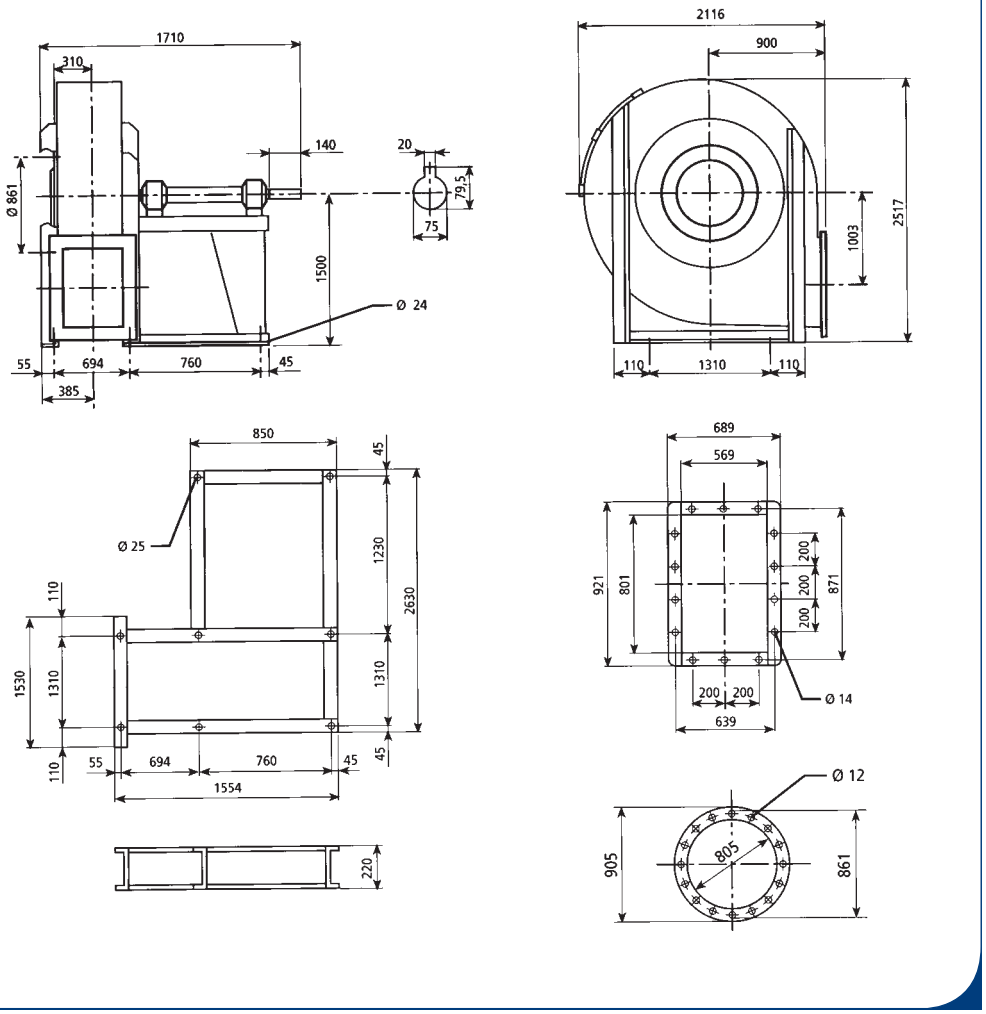
Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

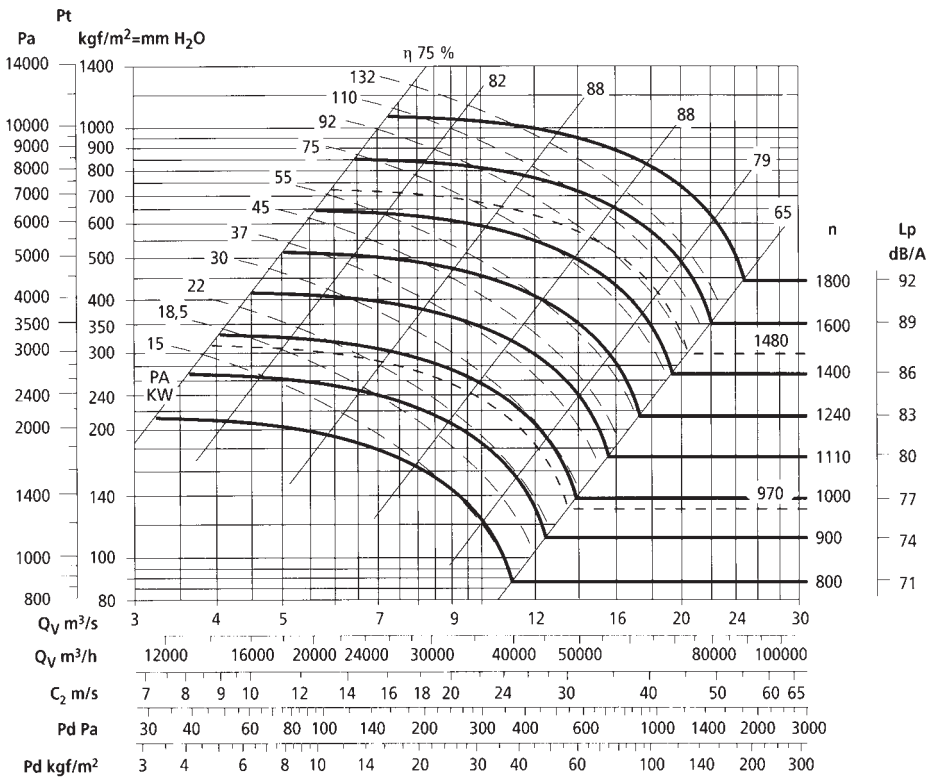
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

GR 1250T



Il ventilatore non è orientabile
The fan is not revolvable





Peso ventilatore in kgf 998
Weight of ventilator in kgf 998

PD^2
GD^2 = 161 kgf m²

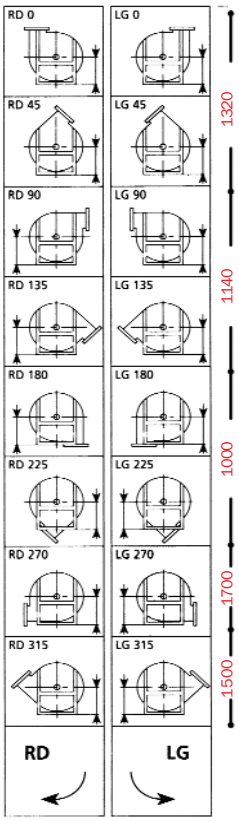
Massima velocità di rotazione
Maximum rotation speed

<100°C = 1800
100÷200°C = 1600
200÷300°C = 1400

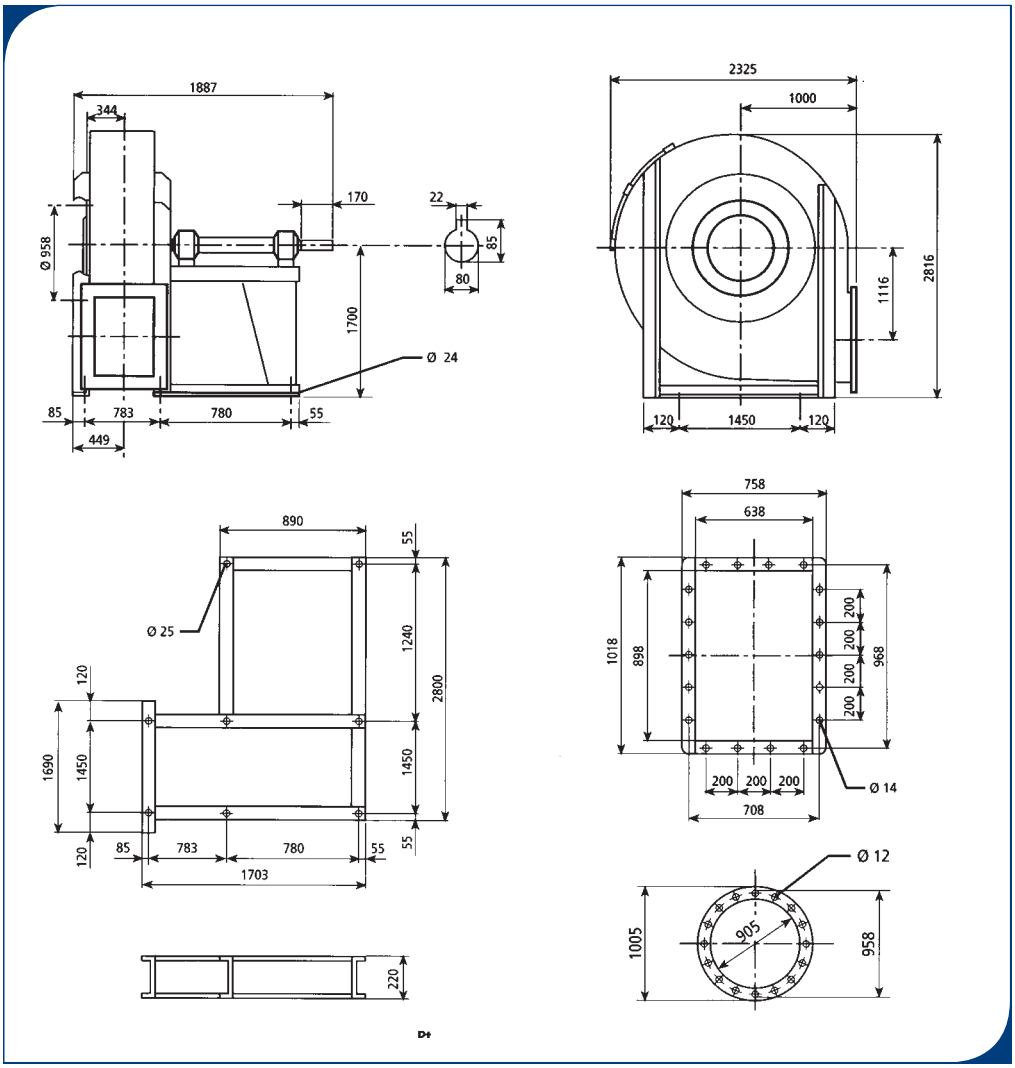
Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

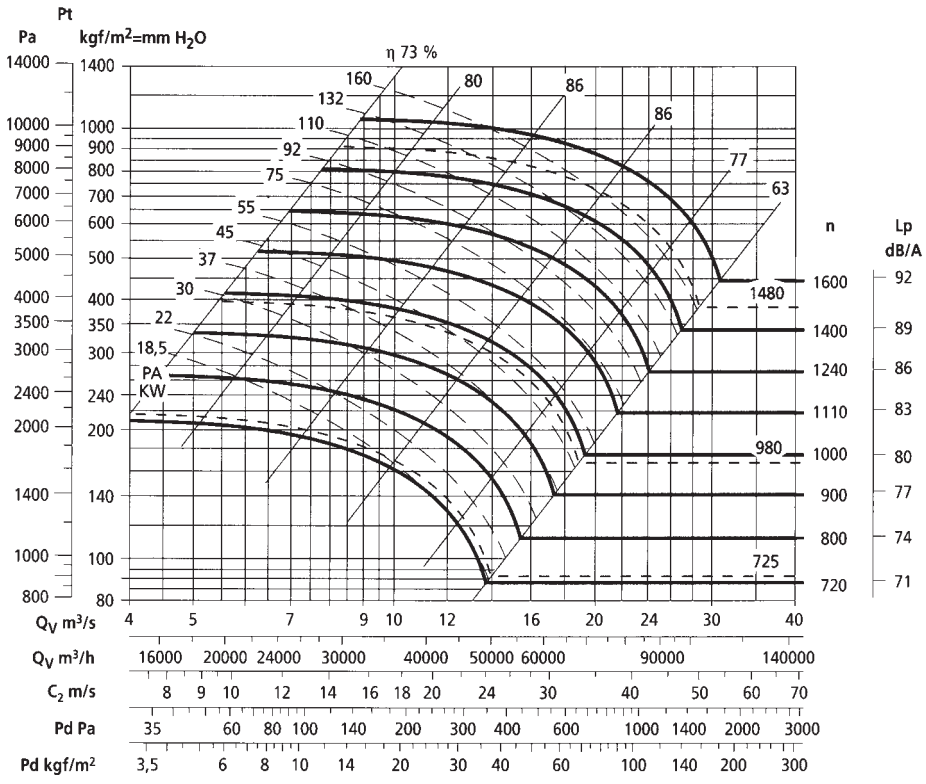
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

GR 1400T



Il ventilatore non è orientabile
The fan is not revolvable





Peso ventilatore in kgf 1410
Weight of ventilator in kgf 1410

PD^2
GD^2 = 268 kgf m²

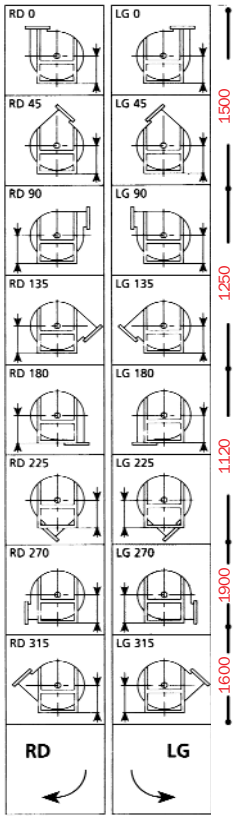
Massima velocità di rotazione
Maximum rotation speed

<100°C = 1600
100÷200°C = 1380
200÷300°C = 1250

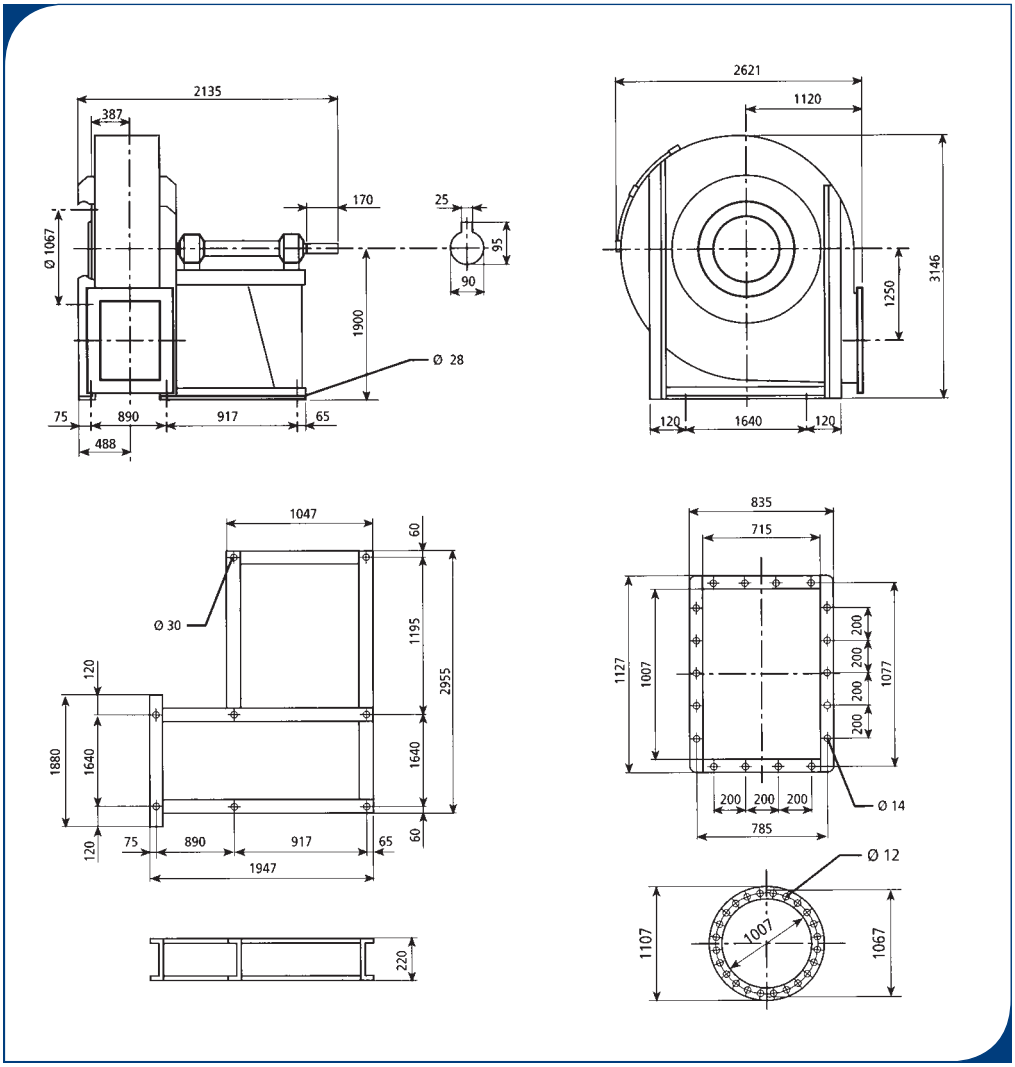
Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

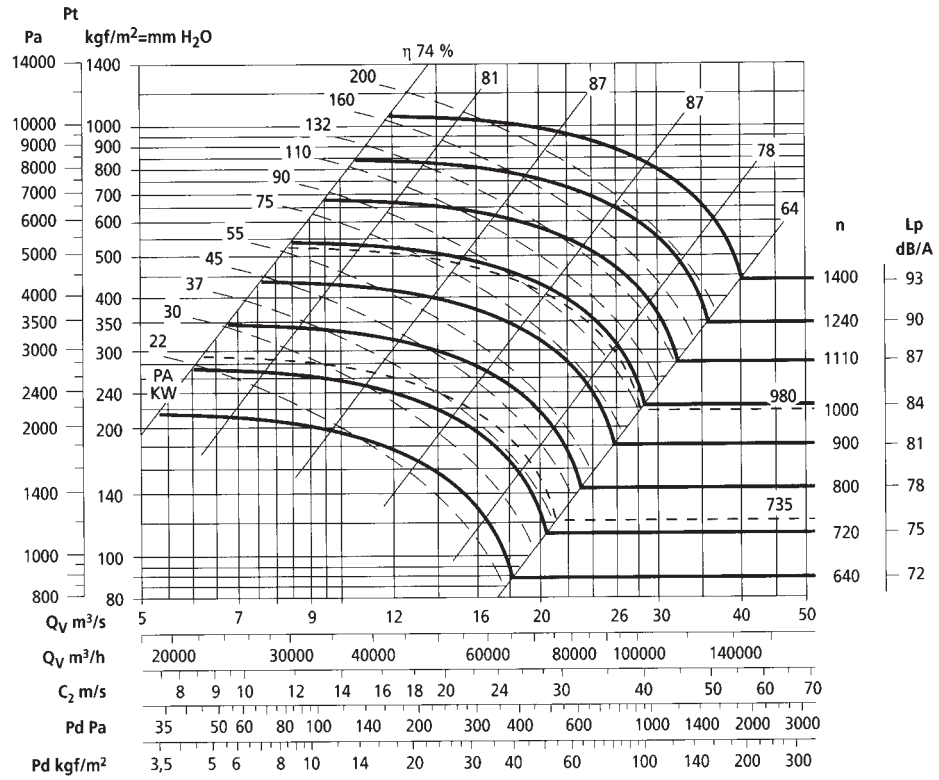
Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%

GR 1600T



Il ventilatore non è orientabile
The fan is not revolvable





Peso ventilatore in kgf 1810
Weight of ventilator in kgf 1810

PD^2 = 426 kgf m²
GD^2 = 426 kgf m²

Massima velocità di rotazione
Maximum rotation speed

<100°C = 1400
100÷200°C = 1240
200÷300°C = 1130

Tolleranza sulla rumorosità + 3 dB(A)
Noise tolerance + 3 dB(A)

Tolleranza sulla potenza assorbita ± 3%
Absorbed power tolerance ± 3%