

# SERIE RPL



**General information**

**Informazioni generali**

Ventilatore ad alto rendimento: Mod. RPL

Campo di lavoro: portate elevate, prevalenze basse.

Tipo di pale: rovesce.

Applicazioni: aspirazioni di aria pulita e leggermente polverosa, per le più disparate applicazioni nell'impiantistica industriale e del condizionamento civile e industriale.

Temperatura del fluido: fino a 60° C in esecuzione standard; esecuzioni speciali per temperature superiori.

Caratteristiche costruttive: costruzione robusta in lamiera verniciata, ventola in acciaio equilibrata staticamente e dinamicamente.

Caratteristiche di funzionamento: condizioni dell'aria in aspirazione  $T = 15^{\circ}\text{C}$ ,  $p = 760 \text{ mm Hg}$ .

Costruzioni speciali: versione antiscintilla o ATEX. Versione anticorrosiva eseguita con verniciature o materiali speciali (acciaio inox).

Versione per alte temperature: con ventolina di raffreddamento fino a 300° C, esecuzioni speciali a richiesta per temperature fino a 450° C.

*High efficiency fan: Mod. RPL.*

*Field of application: very high flow rates, low pressures.*

*Type of blades: backward.*

*Applications: for the suction of clean or slightly dusty air and the most various uses in the industrial field and for uses civil and industrial air conditioning system.*

*Air temperature: up to 60°C standard, special features for higher temperatures.*

*Construction specifications: strong construction in painted carbon sheet metal. Impellers statically and dynamically balanced.*

*Working principles: condition of the ducted air  $T = 15^{\circ}\text{C}$ ,  $p = 760 \text{ mm Hg}$ .*

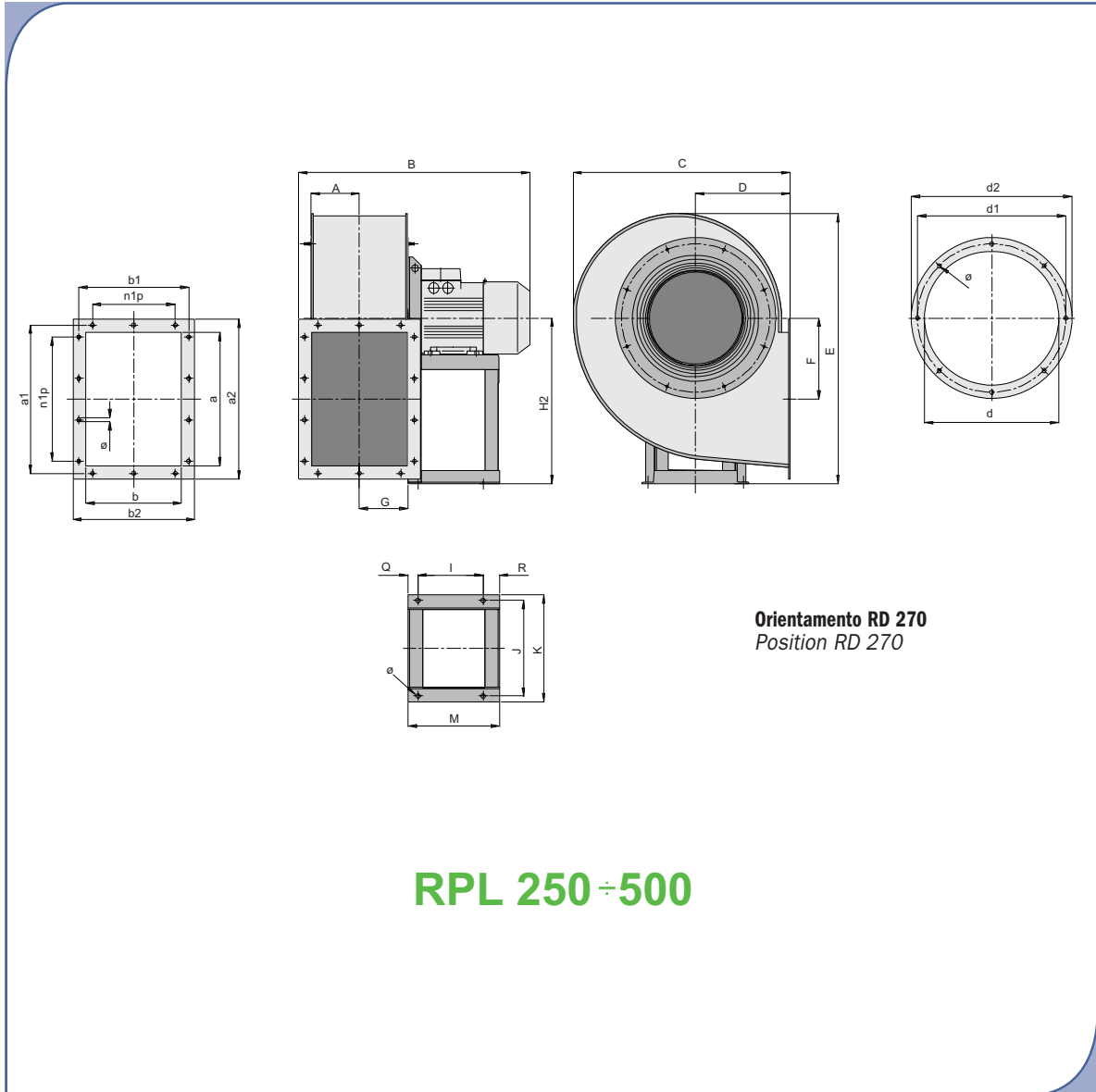
*Special constructions: sparkproof features. Corrosion resistant version with special coatings or material (stainless steel).*

*Temperature resistant features: with small cooling disk up to 300° C. Special version on demand.*

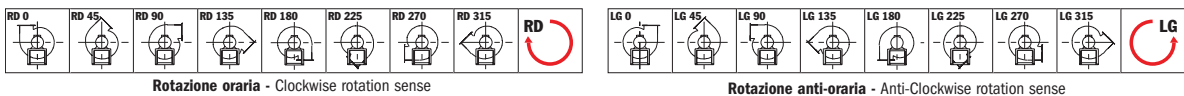


Overall dimension

Dimensioni d'ingombro



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



Overall dimension

Dimensioni d'ingombro

# RPL 250 ÷ 500

Peso ventilatore in Kgf (completo di motore) - Weight of ventilator (complete with motor)

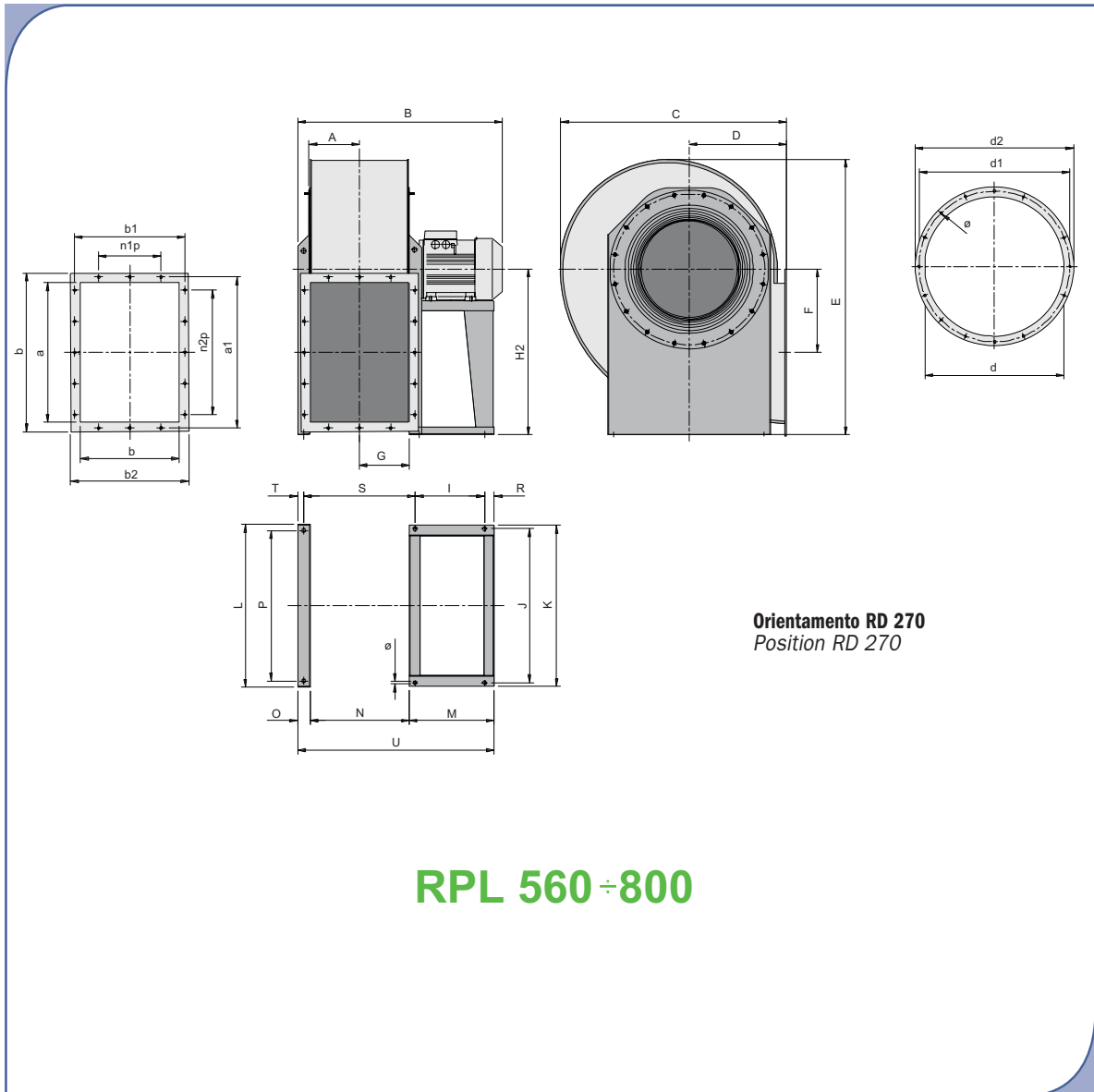
Nota: Quota B indicativa - Note: B quote indicative

TIPO TYPE	MOTORE	PESO WEIGHT kgf	PD <sup>2</sup> GD <sup>2</sup> kgf m <sup>2</sup>	VENTILATORE FAN									
				A	B	C	D	E	F	G	H	H <sub>1</sub>	H <sub>2</sub>
RPL 250	71 B2	33	0,145	94	435	441	195	526	149	96	315	195	315
RPL 280	80 B2	43	0,195	105	450	477	200	610	172	105	375	200	375
RPL 311	81 B2	52	0,32	117	539	527	225	658	196	117	400	225	400
RPL 312	63 B4	42			454								
RPL 351	100 LA2	80	0,52	130	636	600	255	740	216	131	450	255	450
RPL 352	71 B4	65			506								
RPL 401	112 M2	95	1,1	147	668	655	285	815	245	147	500	285	500
RPL 402	132SA2	108			730								
RPL 403	80 A4	75			558								
RPL 451	132 SB2	124	1,9	163	764	735	320	915	275	165	560	320	560
RPL 452	160 MA2	160			900								
RPL 453	80 B4	89			592								
RPL 454	90 S4	94			632								
RPL 501	160 MB2	187	3,1	183	939	832	360	1000	303	185	600	360	600
RPL 502	160 L2	196			939								
RPL 503	90 L4	123			671								
RPL 504	100 LA4	129			741								
RPL 505	80 A6	115			631								
RPL 506	80 B6	116			631								

TIPO TYPE	FLANGIA ASPIRANTE INLET FLANGE					FLANGIA PREMENTE OUTLET FLANGE								BASAMENTO BASE															
	d	d <sub>1</sub>	d <sub>2</sub>	n°	Ø	a	b	a <sub>1</sub>	b <sub>1</sub>	a <sub>2</sub>	b <sub>2</sub>	n <sub>1</sub> xp	n <sub>2</sub> xp	n°	Ø	I	J	K	L	M	N	O	P	Q	R	S	T	U	Ø
RPL 250	255	292	325	8	10	258	185	292	219	328	255	1x112	2x112	10	12	121	203	225	-	189	-	-	-	45	23	-	-	-	10
RPL 280	285	332	365	8	12	288	205	332	249	368	285	1x125	2x125	10	12	121	203	225	-	211	-	-	-	45	45	-	-	-	10
RPL 311	320	366	400	8	12	322	229	366	273	402	309	1x125	1x125	10	12	133	234	260	-	246	-	-	-	55	58	-	-	-	10
RPL 312																86	184	206	-	145	-	-	-	45	14	-	-	-	10
RPL 351	360	405	440	8	12	361	256	405	300	441	336	1x125	2x125	10	12	197	289	324	-	276	-	-	-	30	49	-	-	-	12
RPL 352																121	203	225	-	189	-	-	-	45	23	-	-	-	10
RPL 401	405	448	485	8	12	404	288	448	332	484	368	2x125	3x125	14	12	197	289	324	-	276	-	-	-	30	49	-	-	-	12
RPL 402																237	337	372	-	336	-	-	-	40	59	-	-	-	12
RPL 403																121	203	225	-	211	-	-	-	45	45	-	-	-	10
RPL 451	455	497	535	8	12	453	322	497	366	533	402	2x125	3x125	14	12	237	337	372	-	336	-	-	-	59	59	-	-	-	12
RPL 452																337	395	440	-	436	-	-	-	49	49	-	-	-	14
RPL 453																121	203	225	-	211	-	-	-	45	45	-	-	-	10
RPL 454																133	234	260	-	246	-	-	-	58	58	-	-	-	10
RPL 501	505	551	585	8	14	507	361	551	405	587	441	2x125	3x125	14	12	337	395	440	-	436	-	-	-	49	49	-	-	-	14
RPL 502																337	395	440	-	436	-	-	-	49	49	-	-	-	14
RPL 503																133	234	260	-	246	-	-	-	58	58	-	-	-	10
RPL 504																197	289	324	-	276	-	-	-	49	49	-	-	-	12
RPL 505																121	203	225	-	211	-	-	-	45	45	-	-	-	10
RPL 506	121	203	225	-	211	-	-	-	45	45	-	-	-	10															

Overall dimension

Dimensioni d'ingombro



**RPL 560 ÷ 800**

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



Rotazione oraria - Clockwise rotation sense

Rotazione anti-oraria - Anti-Clockwise rotation sense

Overall dimension

Dimensioni d'ingombro

# RPL 560 ÷ 800

Peso ventilatore in Kgf (completo di motore) - Weight of ventilator (complete with motor)

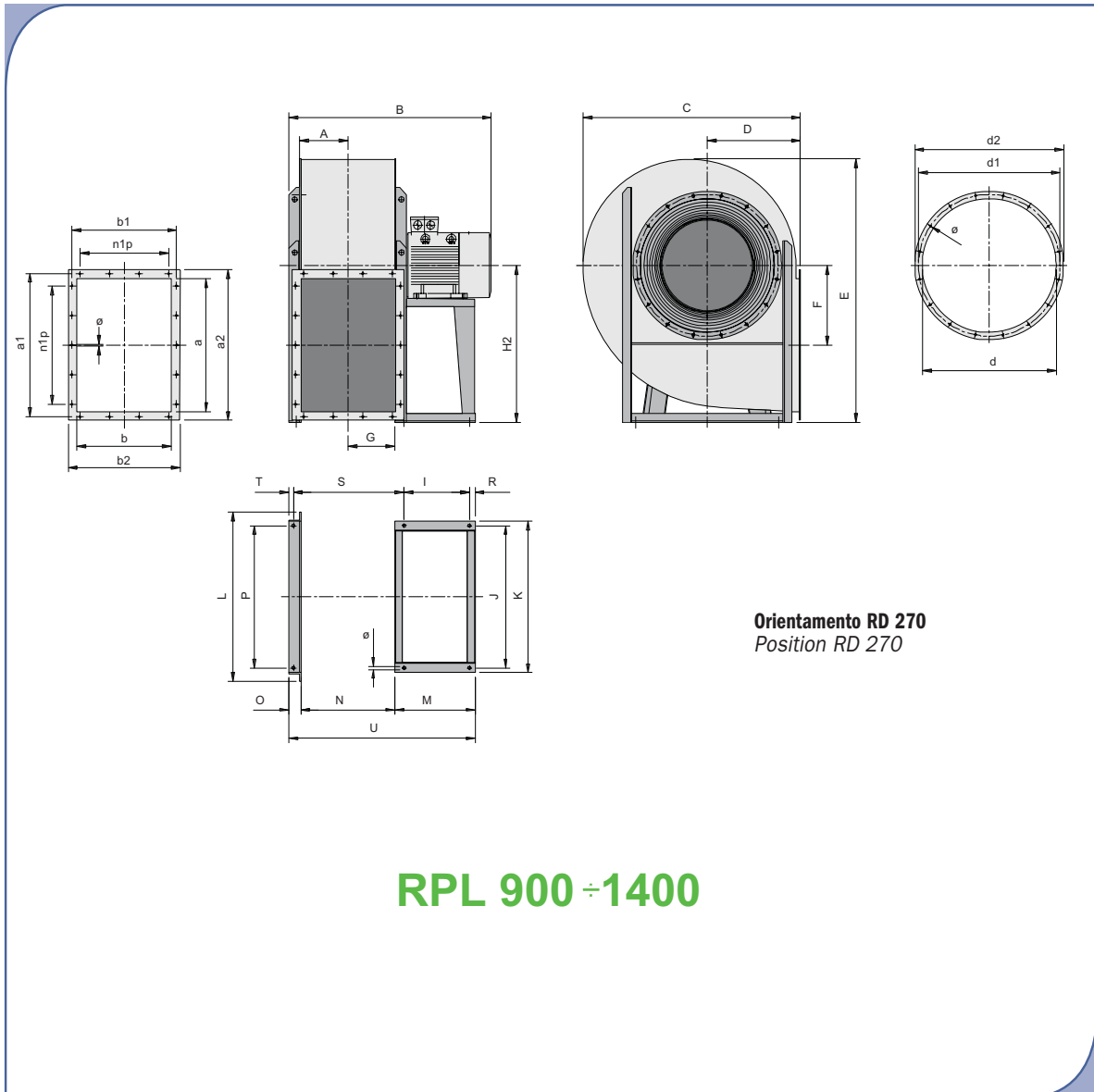
Nota: Quota B indicativa - Note: B quote indicative

TIPO TYPE		PESO WEIGHT	PD <sup>2</sup> GD <sup>2</sup>	VENTILATORE FAN									
VENTILATORE FAN	MOTORE	kgf	kgf m <sup>2</sup>	A	B	C	D	E	F	G	H	H <sub>1</sub>	H <sub>2</sub>
RPL 561	100 LB4	141	5,5	205	797	940	400	1126	332	206	670	400	670
RPL 562	112 M4	146			787								
RPL 563	90 S6	131			727								
RPL 564	90 L6	133			727								
RPL 631	132SA4	190	8,7	230	908	1052	450	1260	373	231	750	450	750
RPL 632	132 MA4	204			908								
RPL 633	100 LA6	173			846								
RPL 634	112 M6	179			846								
RPL 711	160 M4	315	15,5	257	1105	1160	500	1416	427	256	850	500	850
RPL 712	160 M4	326			1105								
RPL 713	160 L4	276			969								
RPL 714	132 MA6	286			969								
RPL 801	180 M4	402	27	287	1187	1312	560	1591	478	287	950	560	950
RPL 802	180 L4	418			1262								
RPL 803	132 MB6	330			1051								
RPL 804	160 M6	368			1187								

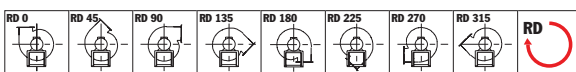
TIPO TYPE	FLANGIA ASPIRANTE INLET FLANGE					FLANGIA PREMENTE OUTLET FLANGE										BASAMENTO BASE													
VENTILATORE FAN	d	d <sub>1</sub>	d <sub>2</sub>	n°	Ø	a	b	a <sub>1</sub>	b <sub>1</sub>	a <sub>2</sub>	b <sub>2</sub>	n <sub>1xp</sub>	n <sub>2xp</sub>	n°	Ø	I	J	K	L	M	N	O	P	Q	R	S	T	U	Ø
RPL 561	565	629	665	16	14	569	404	629	464	669	504	2X160	3X160	14	14	197	289	324	692	276	408	53	632	-	49	468	23	711	12
RPL 562																197	289	324		276					49	468		711	12
RPL 563																133	234	260		246					58	493		666	10
RPL 564																133	234	260		246					58	493		666	10
RPL 631	635	698	735	16	14	638	453	698	513	738	553	2X160	3X160	14	14	237	337	372	762	336	457	53	702	-	59	527	23	810	12
RPL 632																237	337	372		336					59	527		810	
RPL 633																197	289	324		276					49	517		760	
RPL 634																197	289	324		276					49	517		760	
RPL 711	715	775	815	16	14	715	507	775	567	815	607	2X160	4X160	16	14	316	772	826	832	436	510	60	772	-	49	606	27	988	20
RPL 712																316				436					49			988	
RPL 713																201				336					59			873	
RPL 714																201				336					59			873	
RPL 801	805	861	905	16	14	801	569	871	639	921	689	2X200	3X200	14	14	361	862	926	932	463	572	60	862	-	39	668	27	1095	20
RPL 802																361				463					39			1095	
RPL 803																201				336					59			935	
RPL 804																316				436					49			1050	

Overall dimension

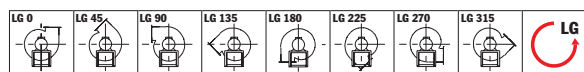
Dimensioni d'ingombro



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



Rotazione oraria - Clockwise rotation sense



Rotazione anti-oraria - Anti-Clockwise rotation sense







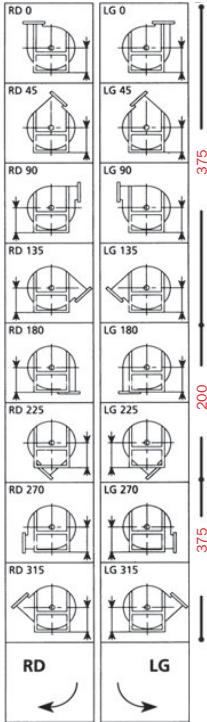




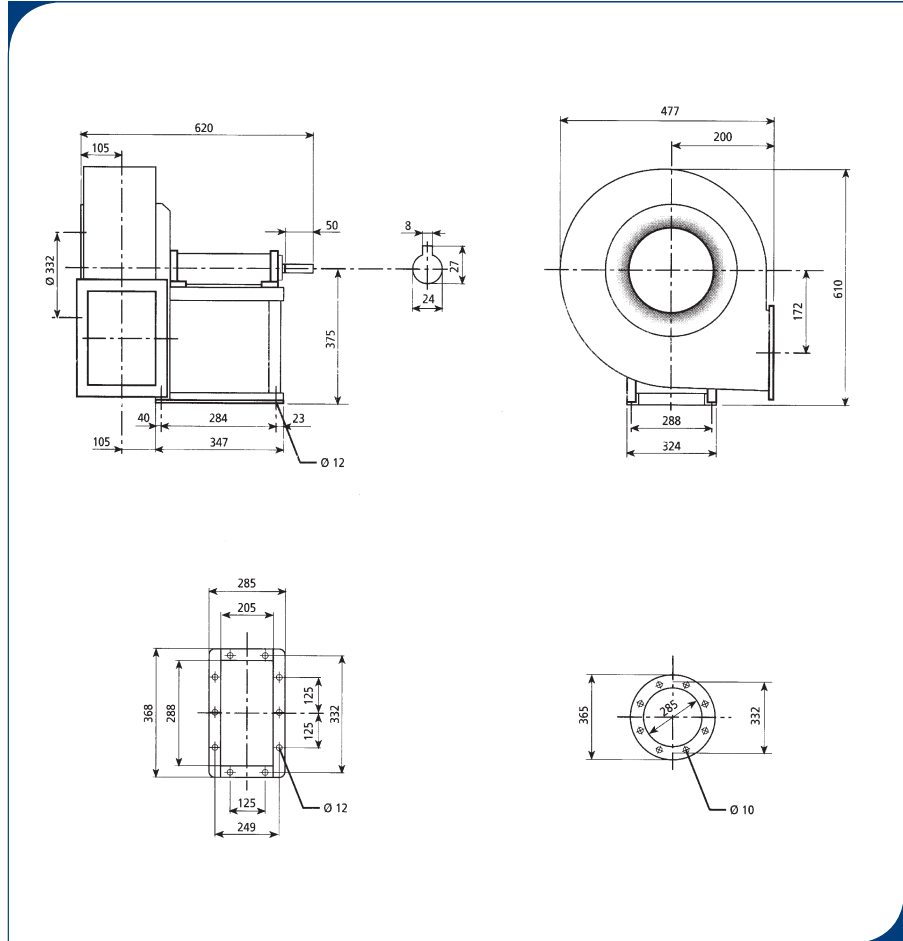
Belt driven fans performances

Prestazioni ventilatori a trasmissione

RPL 280T



Il ventilatore è orientabile  
The fan is revolvable



Peso ventilatore in kgf 41  
Weight of ventilator in kgf 41

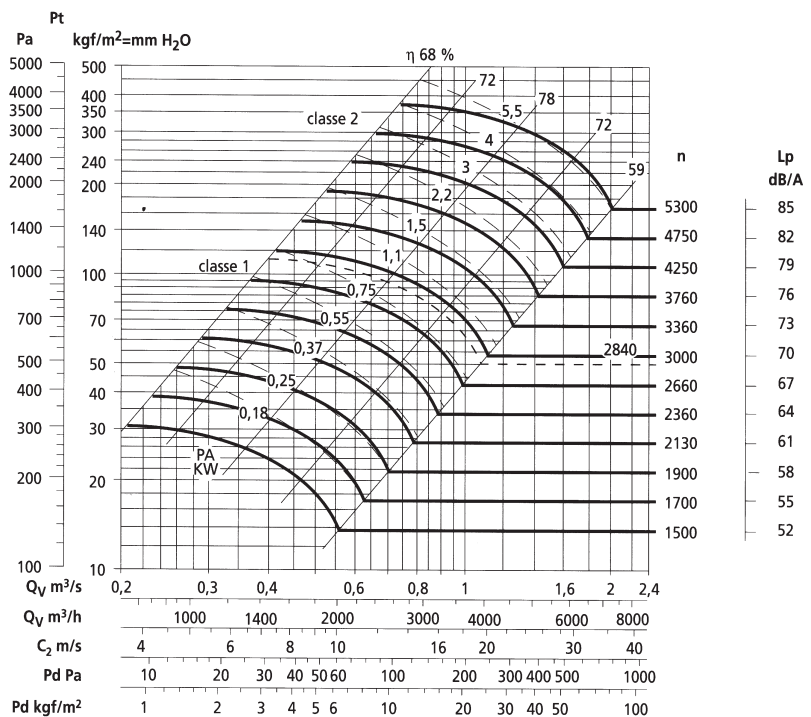
PD<sup>2</sup> = 0,195 kgf m<sup>2</sup>  
GD<sup>2</sup> = 0,195 kgf m<sup>2</sup>

Massima velocità di rotazione  
Maximum rotation speed

	Classe 1	Classe 2
<100°C =	3950	5050
100÷200°C =	3550	4500
200÷300°C =	3120	4000

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

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

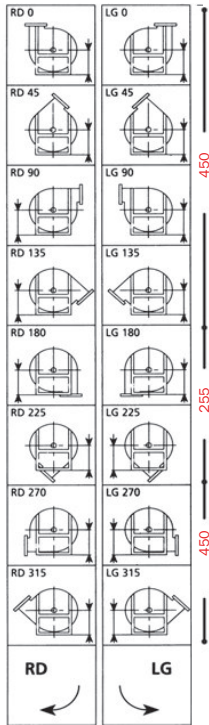




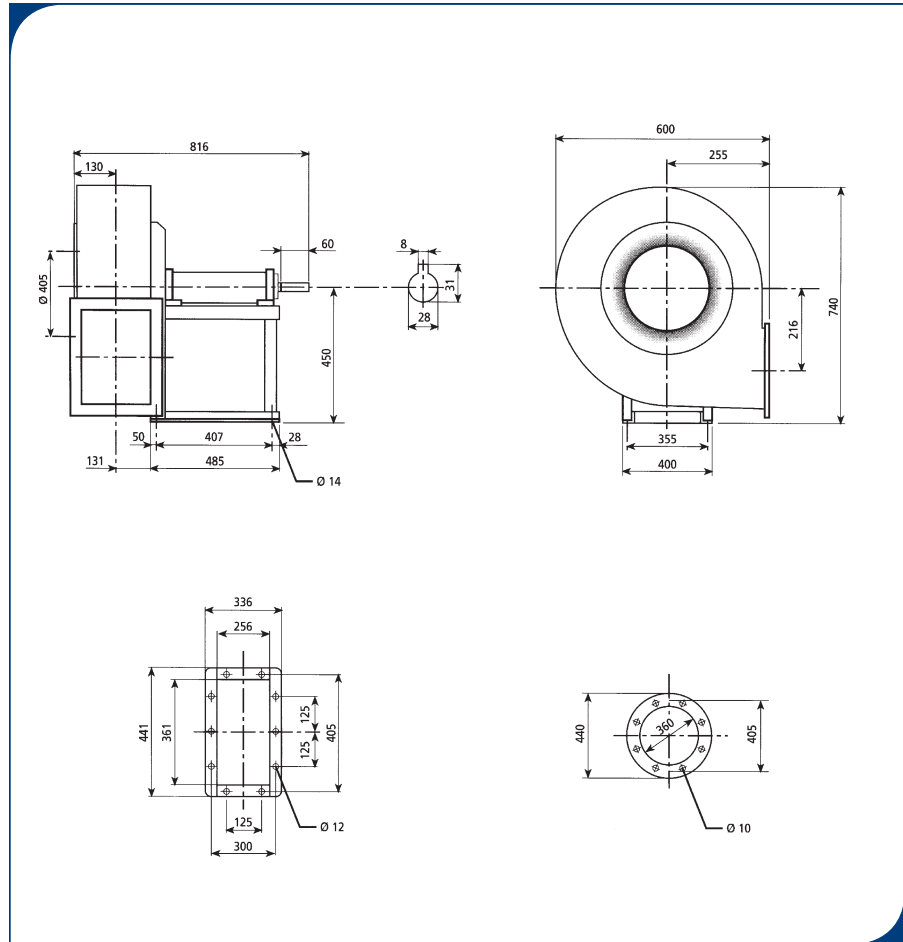
Belt driven fans performances

Prestazioni ventilatori a trasmissione

RPL 350T



Il ventilatore è orientabile  
The fan is revolvable



Peso ventilatore in kgf 72  
Weight of ventilator in kgf 72

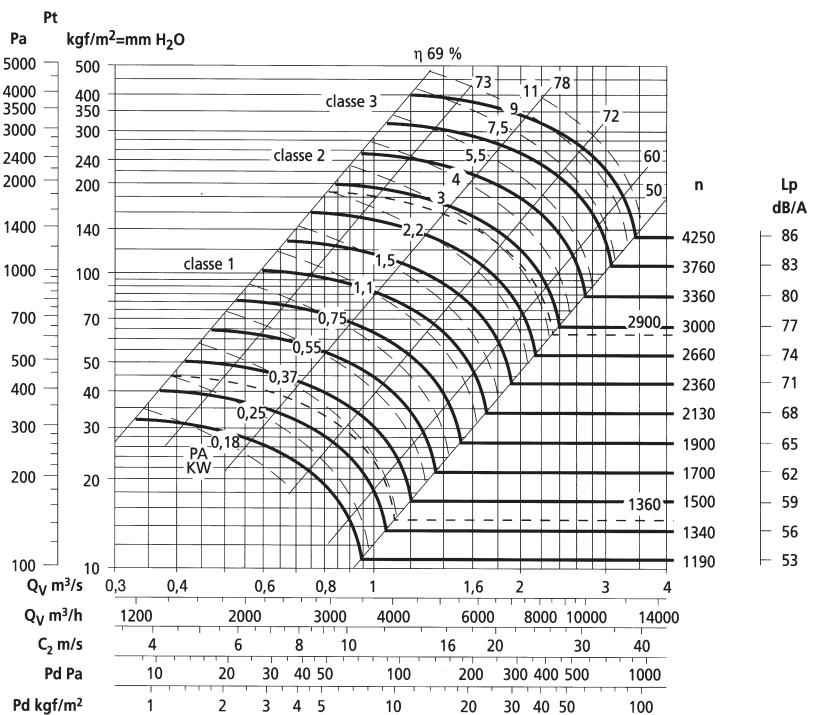
PD<sup>2</sup> = 0,52 kgf m<sup>2</sup>  
GD<sup>2</sup> = 0,52 kgf m<sup>2</sup>

Massima velocità di rotazione  
Maximum rotation speed

	Classe 1	Classe 2	Classe 3
<100°C	= 2800	3500	4520
100÷200°C	= 2500	3150	4000
200÷300°C	= 2250	2800	3520

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

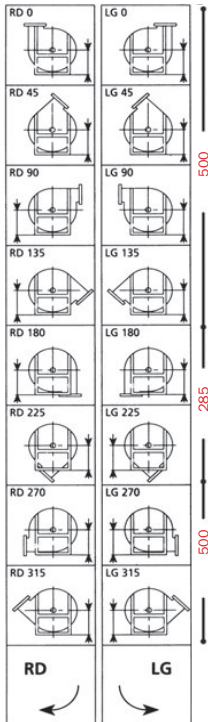
Tolleranza sulla potenza assorbita ± 3%  
Absorbed power tolerance ± 3%



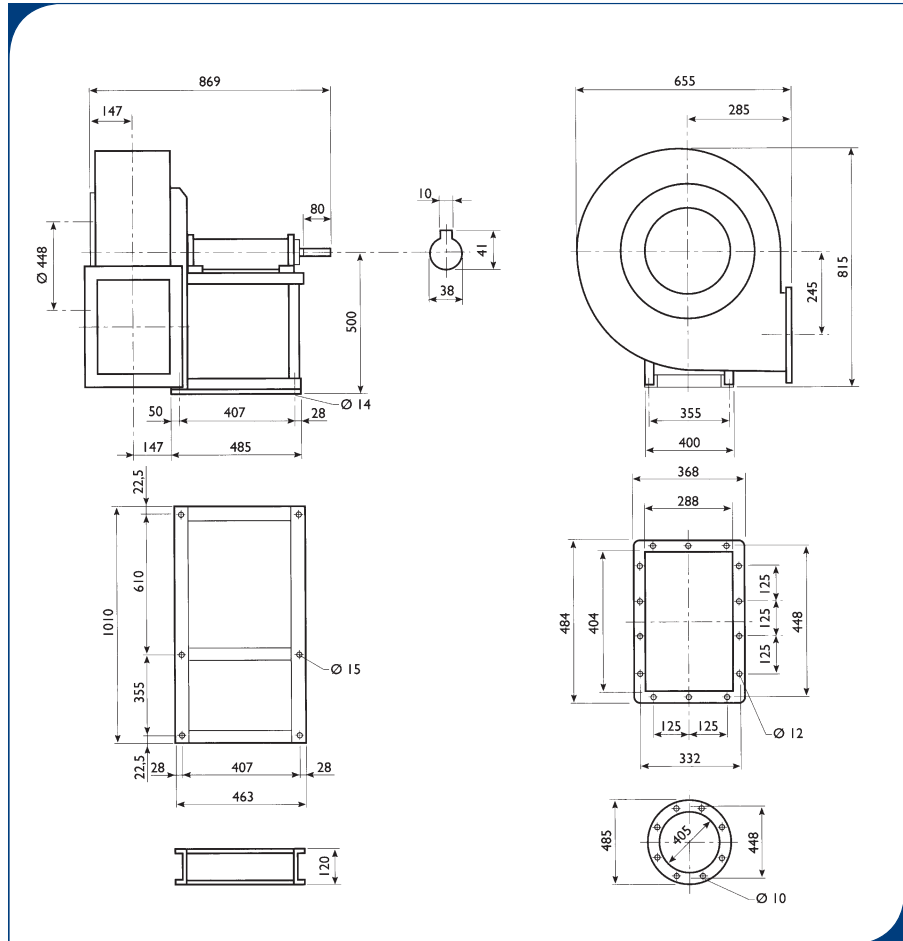
Belt driven fans performances

Prestazioni ventilatori a trasmissione

RPL 400T



Il ventilatore è orientabile  
The fan is revolvable



Peso ventilatore in kgf 85  
Weight of ventilator in kgf 85

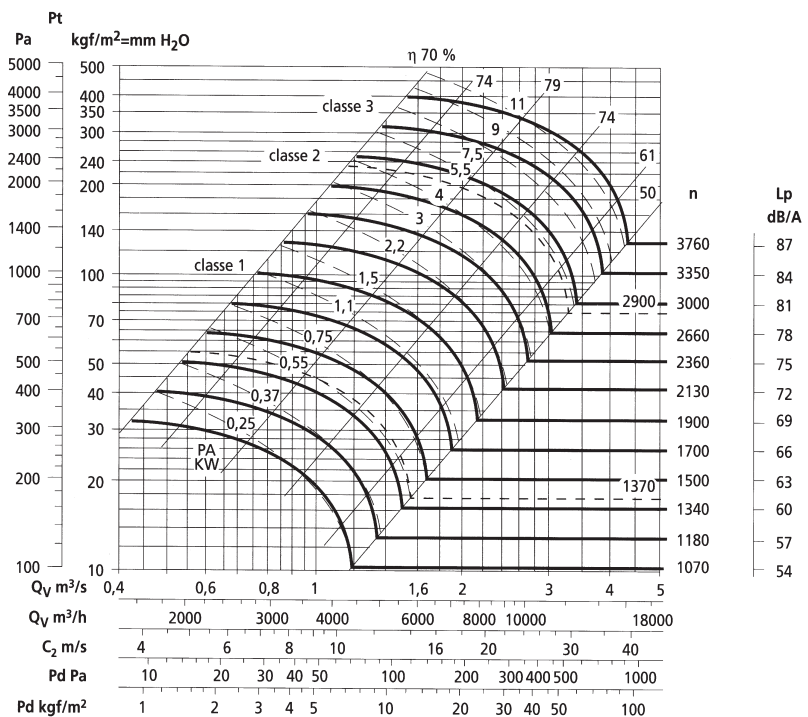
PD<sup>2</sup> = 1,1 kgf m<sup>2</sup>  
GD<sup>2</sup> = 1,1 kgf m<sup>2</sup>

Massima velocità di rotazione  
Maximum rotation speed

	Classe 1	Classe 2	Classe 3
<100°C	= 2480	3150	4000
100÷200°C	= 2250	2800	3550
200÷300°C	= 2000	2480	3170

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

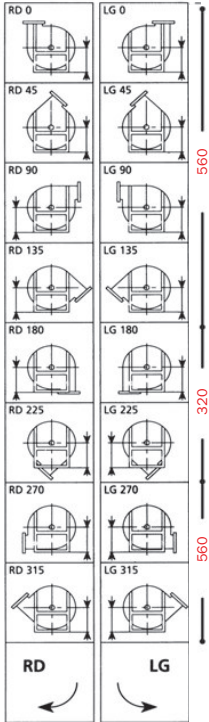
Tolleranza sulla potenza assorbita ± 3%  
Absorbed power tolerance ± 3%



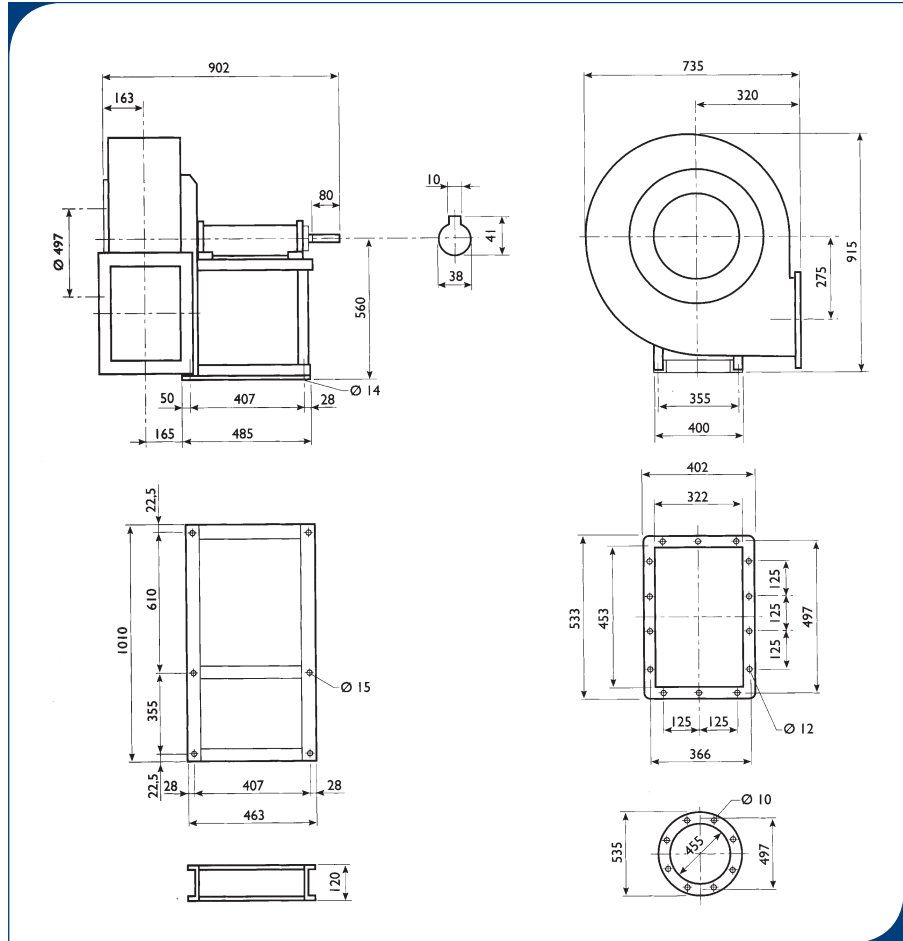
Belt driven fans performances

Prestazioni ventilatori a trasmissione

RPL 450T



Il ventilatore è orientabile  
The fan is revoluble



Peso ventilatore in kgf 100  
Weight of ventilator in kgf 100

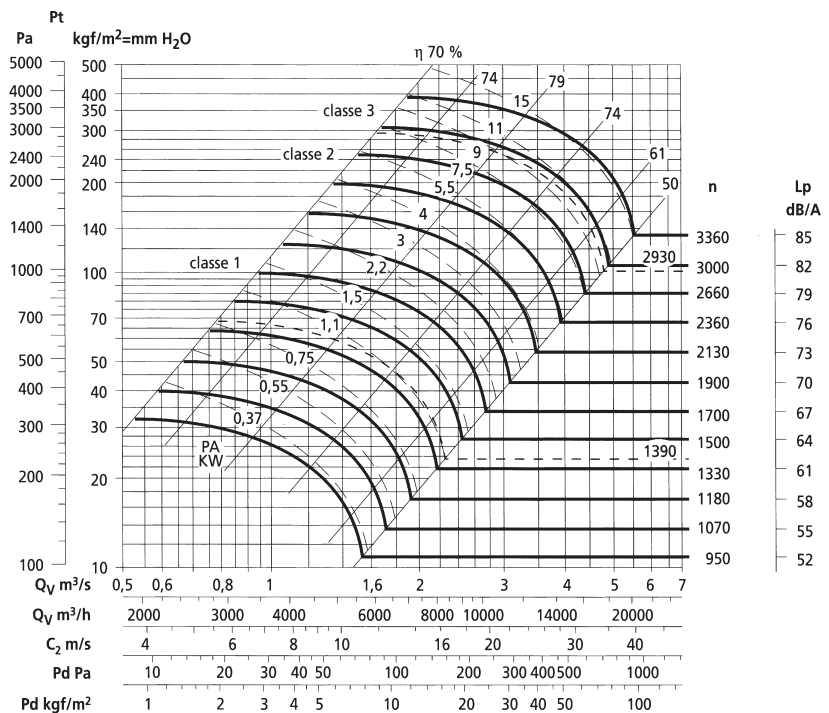
PD<sup>2</sup> = 1,9 kgf m<sup>2</sup>

Massima velocità di rotazione  
Maximum rotation speed

	Classe 1	Classe 2	Classe 3
<100°C	= 2200	2800	3500
100÷200°C	= 2000	2500	3150
200÷300°C	= 1780	2250	2800

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

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

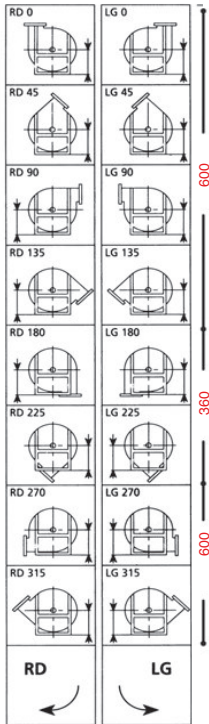




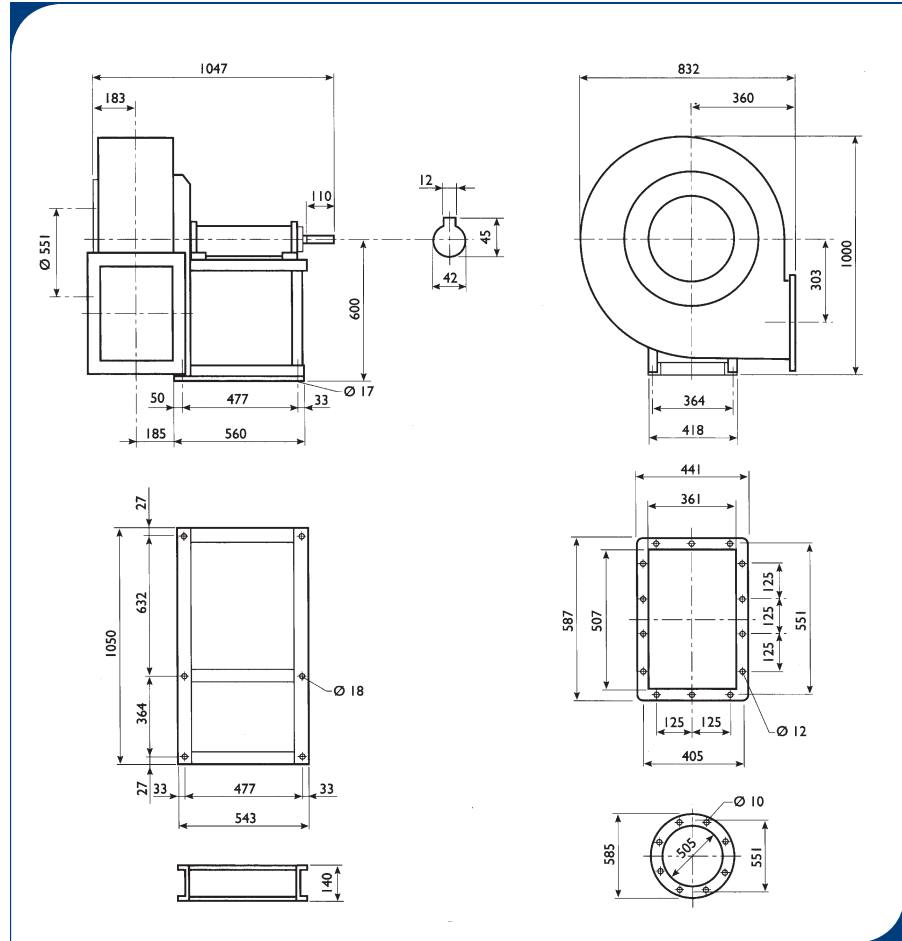
**Belt driven fans performances**

**Prestazioni ventilatori a trasmissione**

**RPL 500T**



**Il ventilatore è orientabile**  
The fan is revolable



**Peso ventilatore in kgf 141**  
Weight of ventilator in kgf 141

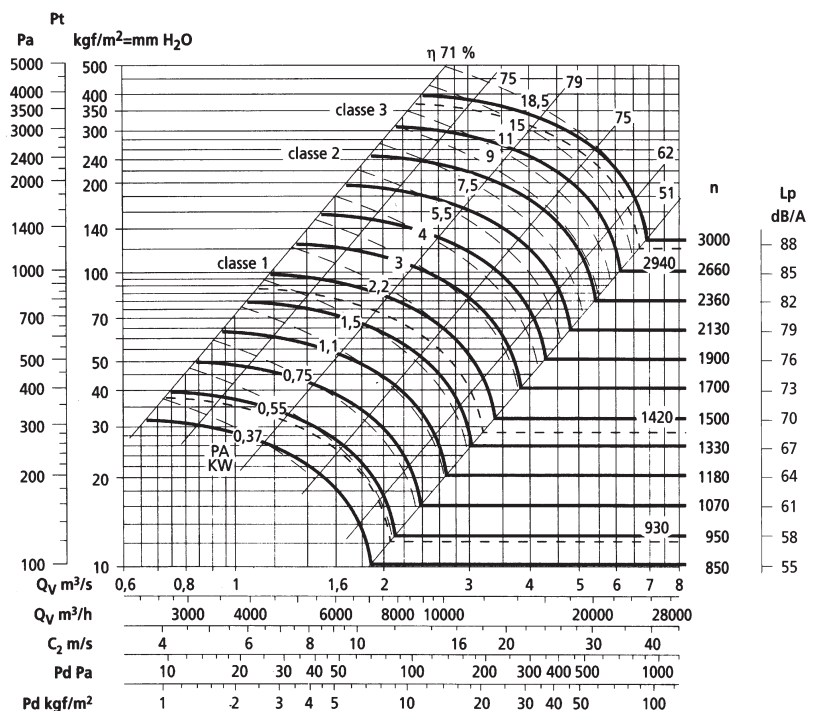
**PD<sup>2</sup> = 3,1 kgf m<sup>2</sup>**  
GD<sup>2</sup> = 3,1 kgf m<sup>2</sup>

**Massima velocità di rotazione**  
Maximum rotation speed

	Classe 1	Classe 2	Classe 3
<100°C	= 2050	2500	3120
100÷200°C	= 1800	2250	2800
200÷300°C	= 1580	2000	2500

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

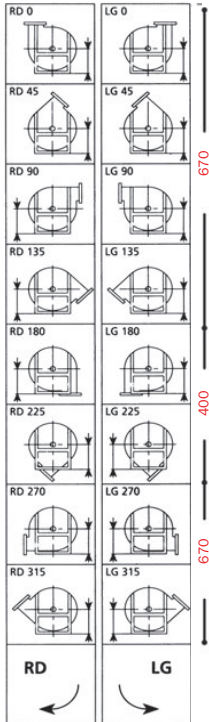
**Tolleranza sulla potenza assorbita ± 3%**  
Absorbed power tolerance ± 3%



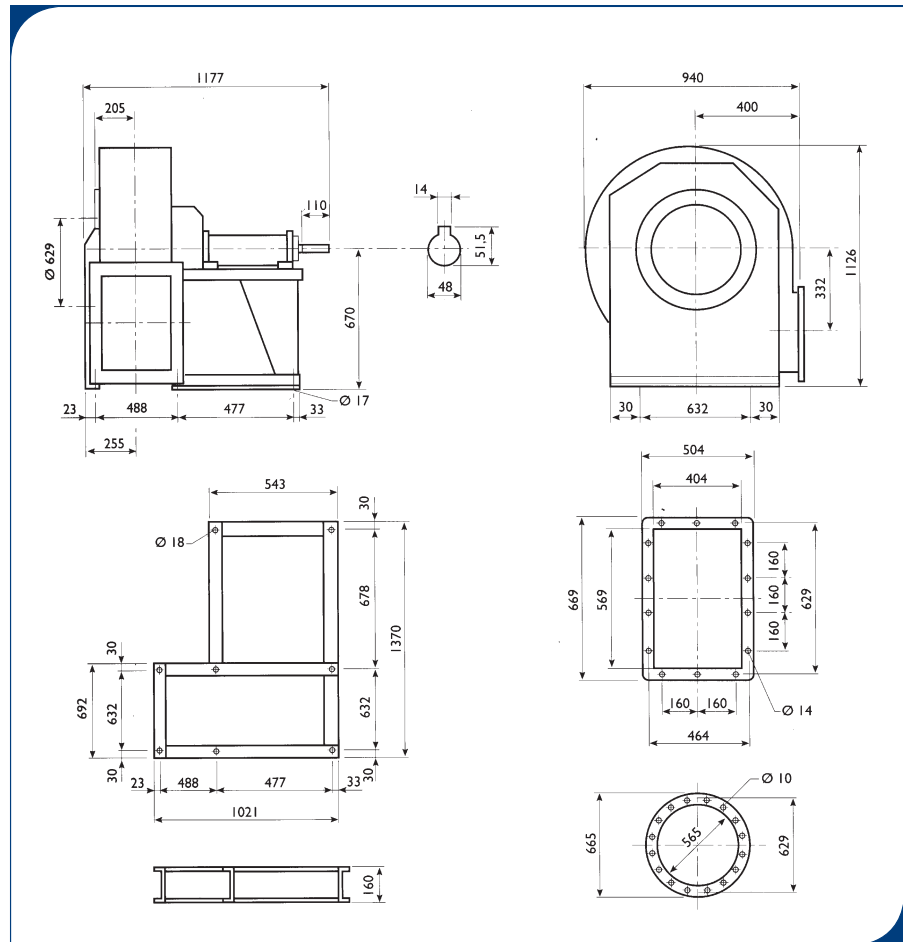
Belt driven fans performances

Prestazioni ventilatori a trasmissione

RPL 560T



Il ventilatore è orientabile  
The fan is revolvable



Peso ventilatore in kgf 178  
Weight of ventilator in kgf 178

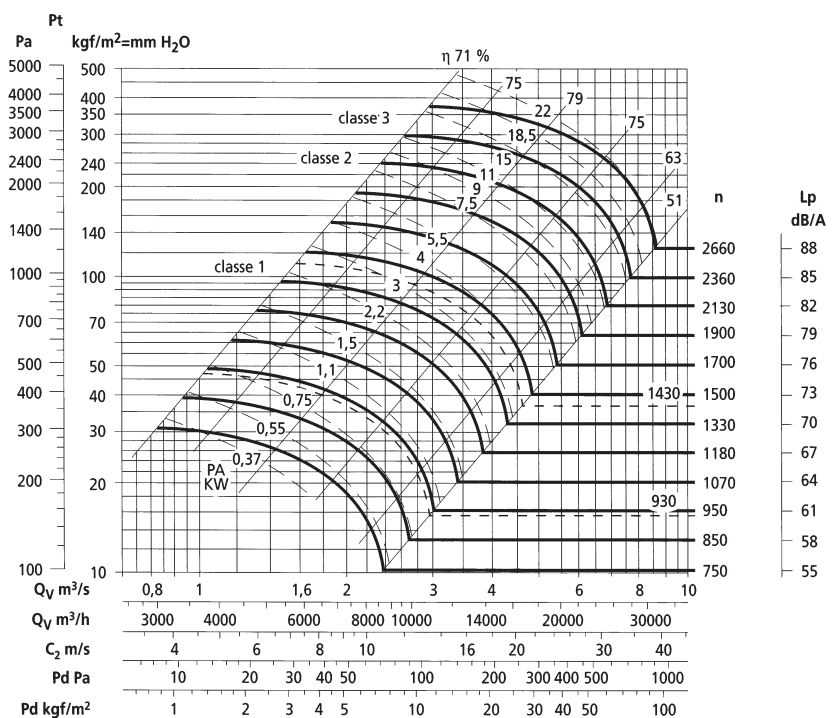
PD<sup>2</sup> = 5,5 kgf m<sup>2</sup>

Massima velocità di rotazione  
Maximum rotation speed

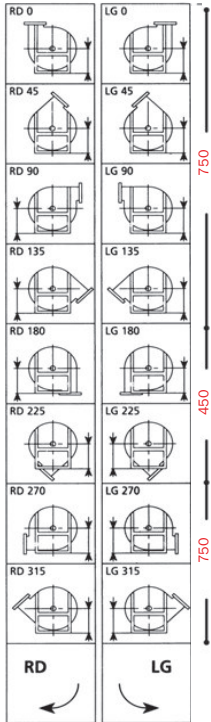
	Classe 1	Classe 2	Classe 3
<100°C	1850	2250	2800
100÷200°C	1600	2000	2500
200÷300°C	1400	1800	2200

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

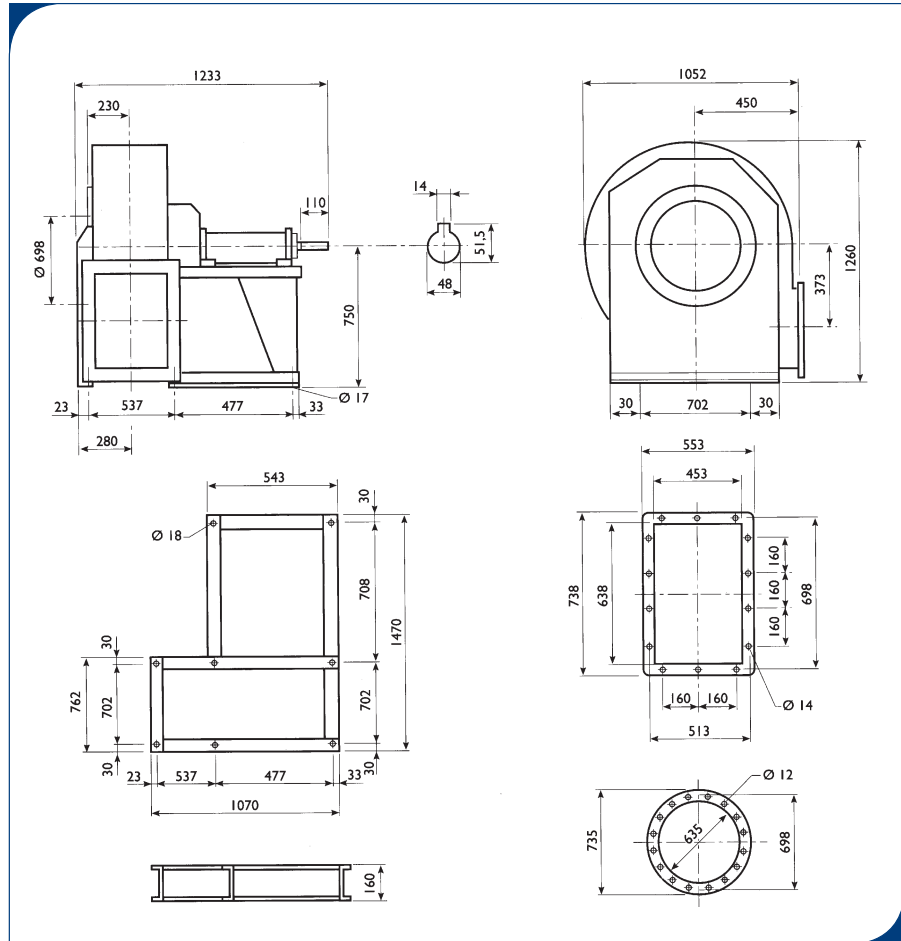
Tolleranza sulla potenza assorbita ± 3%  
Absorbed power tolerance ± 3%



RPL 630T



Il ventilatore è orientabile  
The fan is revolvable



Peso ventilatore in kgf 230  
Weight of ventilator in kgf 230

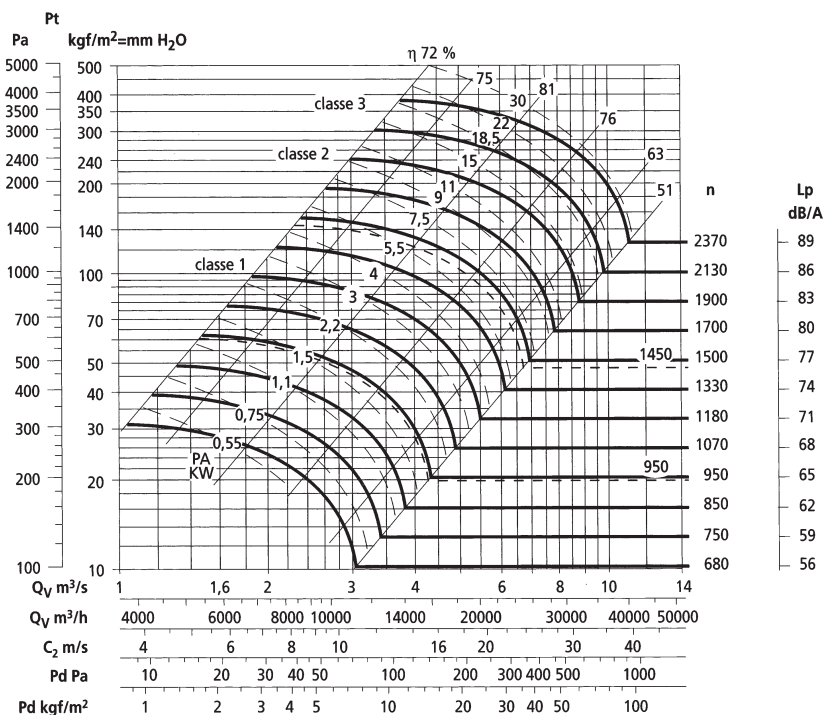
$PD^2 = 8,7 \text{ kgf m}^2$   
 $GD^2 = 8,7 \text{ kgf m}^2$

Massima velocità di rotazione  
Maximum rotation speed

	Classe 1	Classe 2	Classe 3
<100°C	= 1600	2000	2500
100÷200°C	= 1390	1800	2270
200÷300°C	= 1250	1600	2000

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

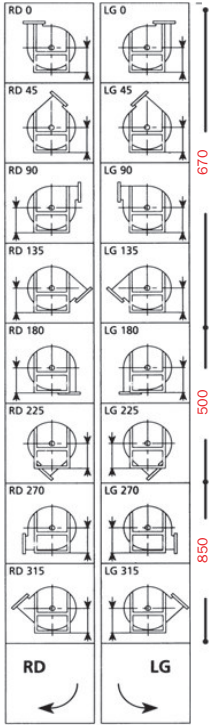
Tolleranza sulla potenza assorbita ± 3%  
Absorbed power tolerance ± 3%



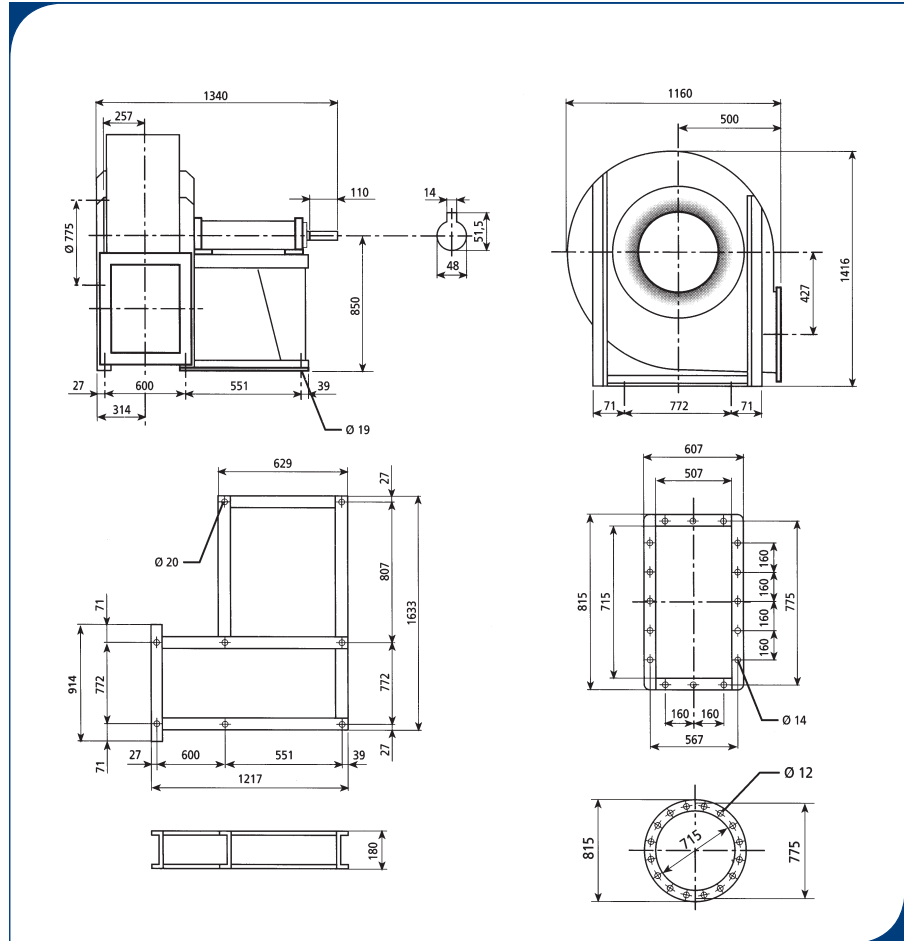
Belt driven fans performances

Prestazioni ventilatori a trasmissione

RPL 710T



Il ventilatore **non** è orientabile  
The fan is **not** revolvable



Peso ventilatore in kgf 280  
Weight of ventilator in kgf 280

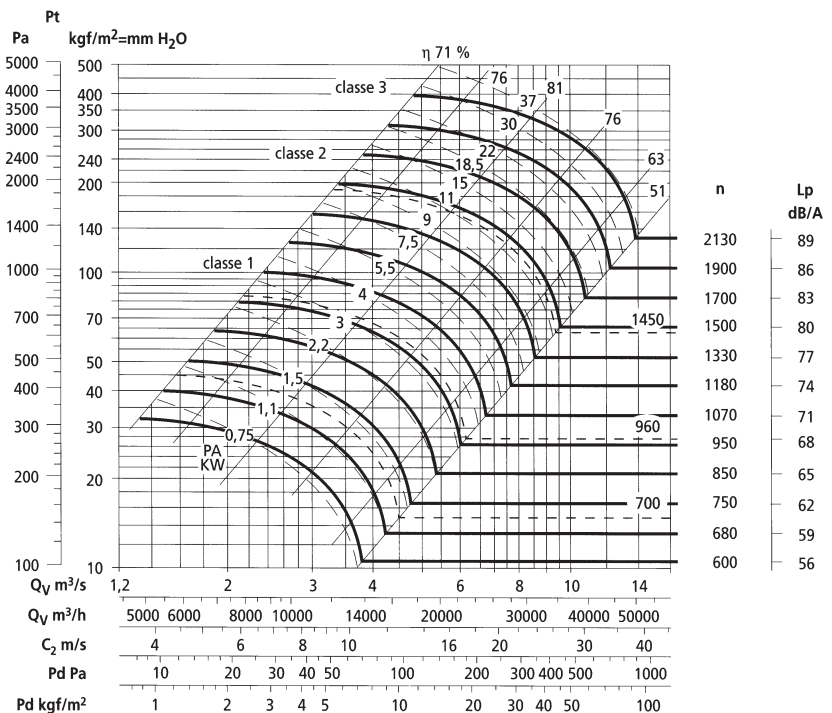
PD<sup>2</sup> = 15,5 kgf m<sup>2</sup>  
GD<sup>2</sup> = 15,5 kgf m<sup>2</sup>

Massima velocità di rotazione  
Maximum rotation speed

	Classe 1	Classe 2	Classe 3
<100°C	= 1450	1800	2250
100÷200°C	= 1250	1600	2000
200÷300°C	= 1140	1410	1810

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

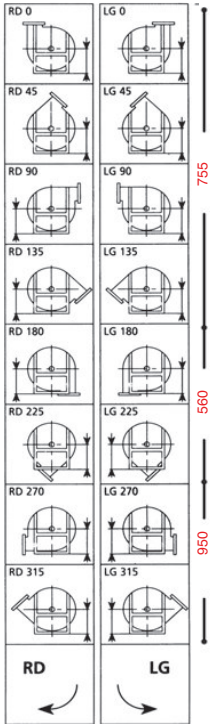
Tolleranza sulla potenza assorbita ± 3%  
Absorbed power tolerance ± 3%



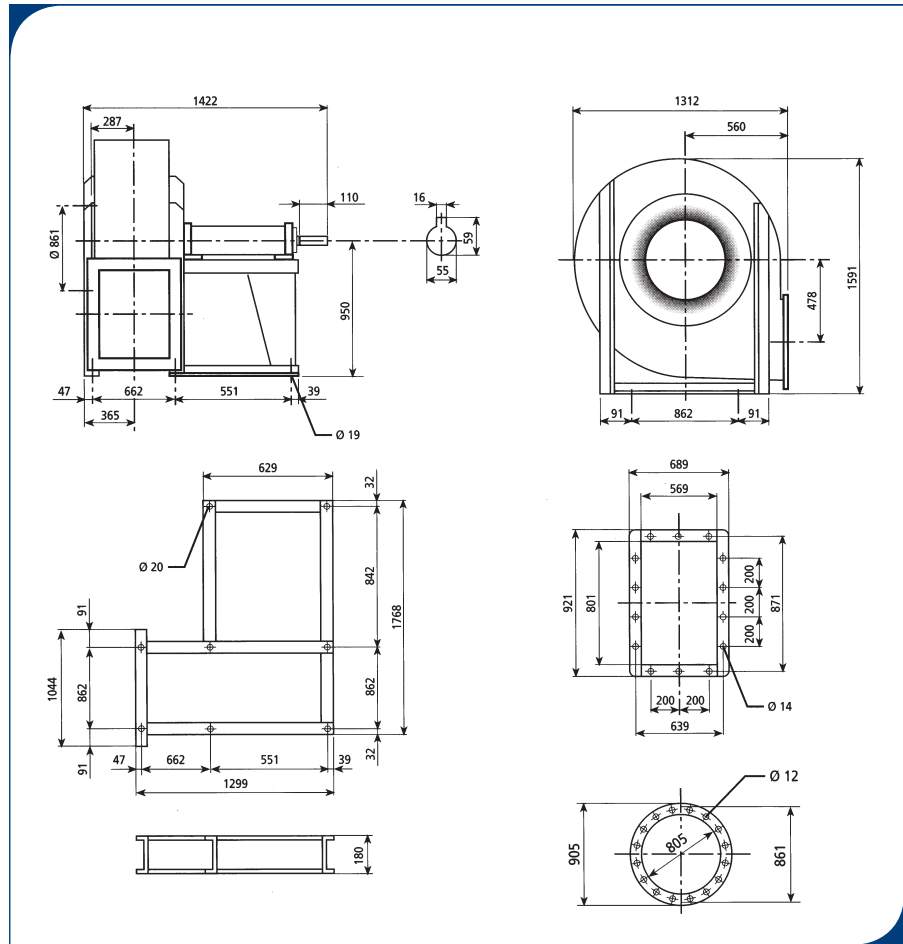
Belt driven fans performances

Prestazioni ventilatori a trasmissione

RPL 800T



Il ventilatore non è orientabile  
The fan is not revolvable



Peso ventilatore in kgf 352  
Weight of ventilator in kgf 352

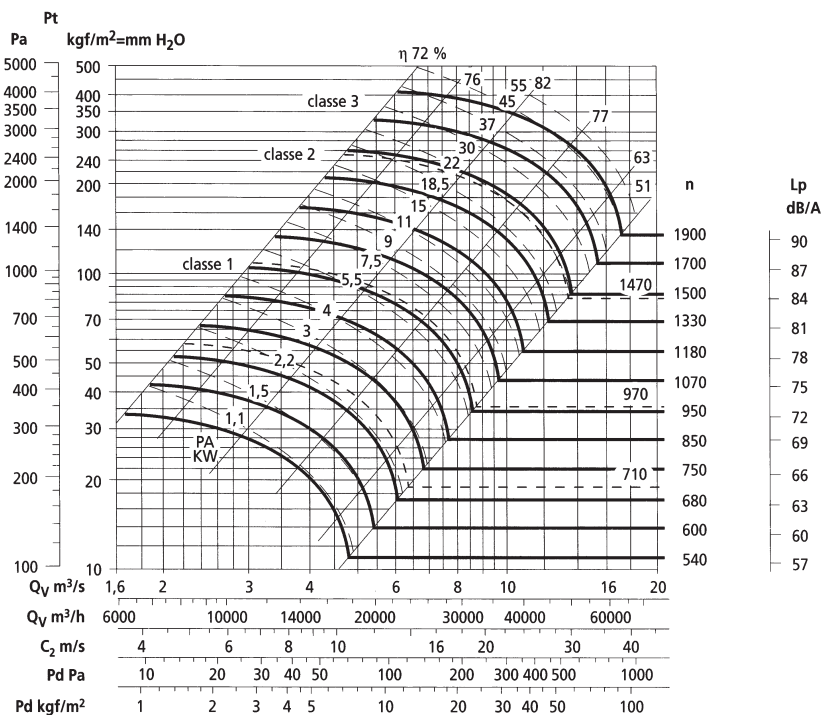
PD<sup>2</sup> = 27 kgf m<sup>2</sup>

Massima velocità di rotazione  
Maximum rotation speed

	Classe 1	Classe 2	Classe 3
<100°C	= 1240	1600	2000
100÷200°C	= 1120	1400	1790
200÷300°C	= 1000	1240	1600

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

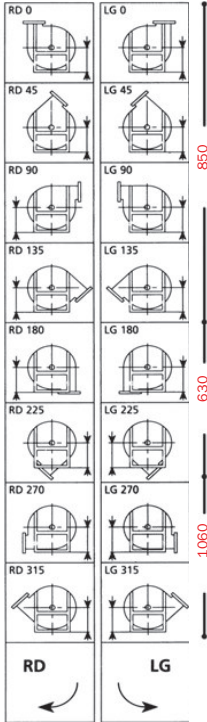
Tolleranza sulla potenza assorbita ± 3%  
Absorbed power tolerance ± 3%



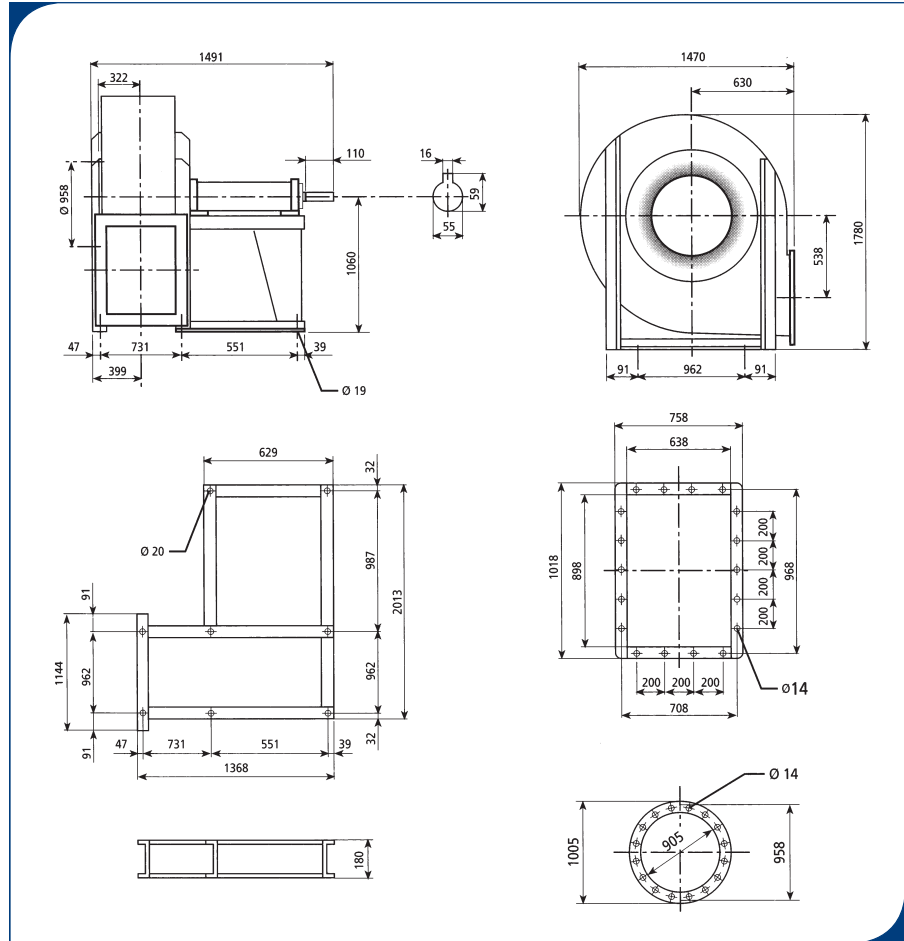
Belt driven fans performances

Prestazioni ventilatori a trasmissione

RPL 900T



Il ventilatore non è orientabile  
The fan is not revolvable



**Peso ventilatore in kgf 435**  
Weight of ventilator in kgf 435

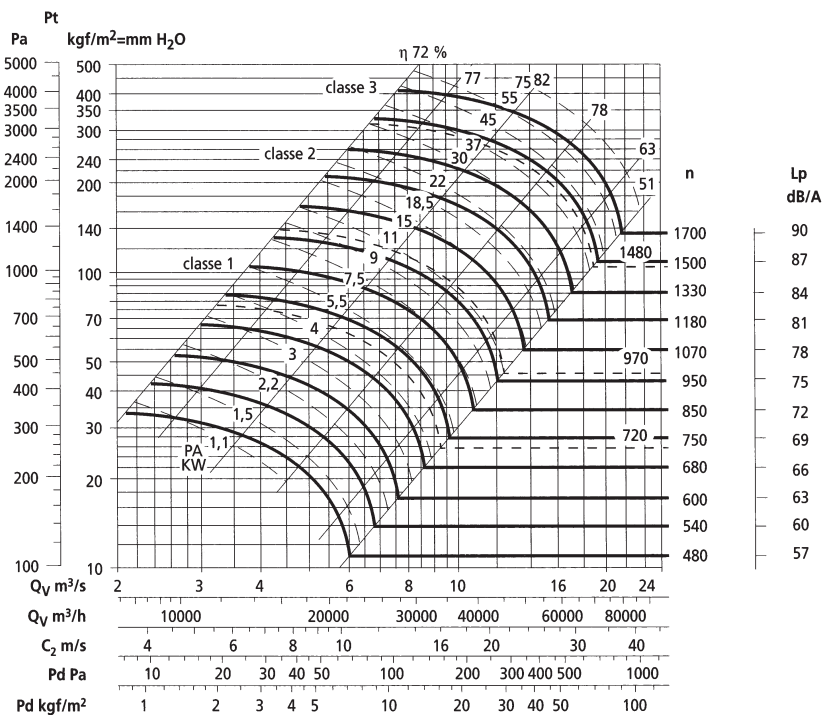
**PD<sup>2</sup> = 43 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
Maximum rotation speed

	Classe 1	Classe 2	Classe 3
<100°C	= 1130	1400	1810
100÷200°C	= 1000	1250	1600
200÷300°C	= 910	1120	1400

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

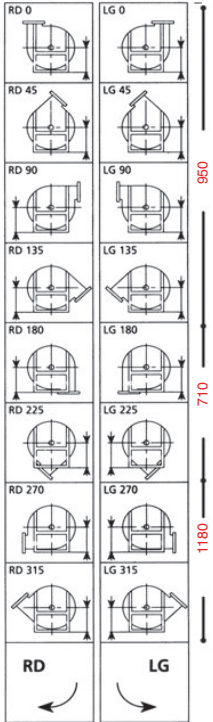
**Tolleranza sulla potenza assorbita ± 3%**  
Absorbed power tolerance ± 3%



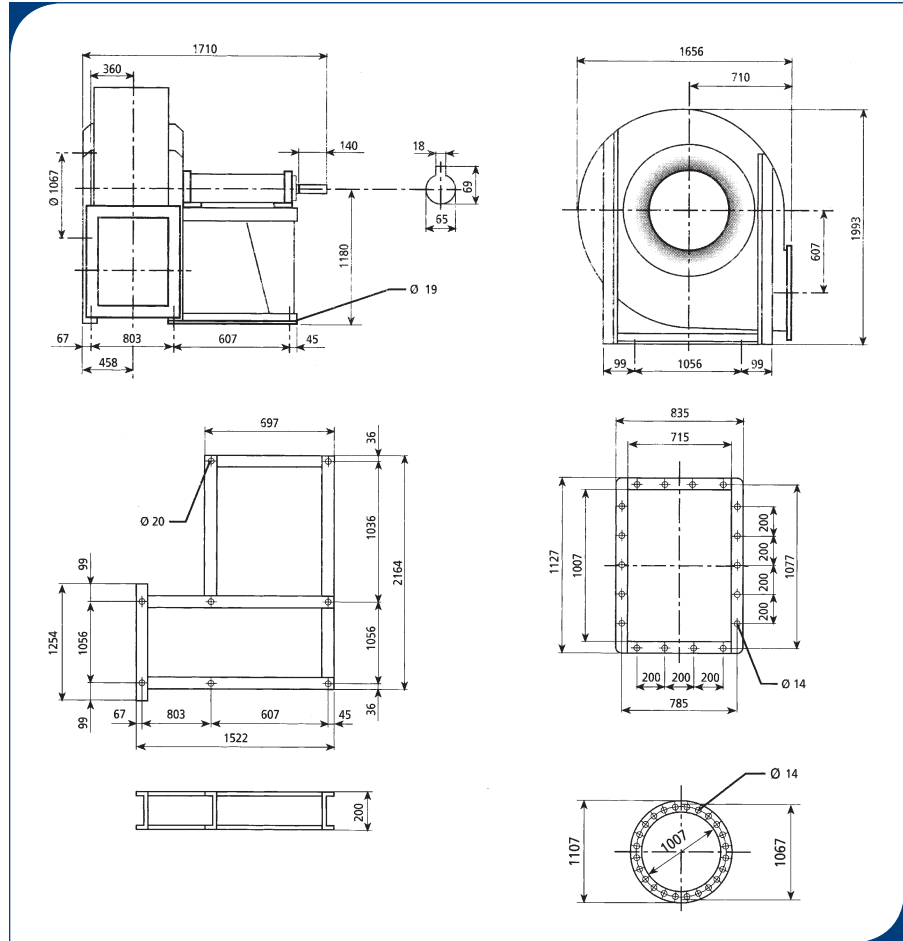
Belt driven fans performances

Prestazioni ventilatori a trasmissione

RPL 1000T



Il ventilatore non è orientabile  
The fan is not revolvable



Peso ventilatore in kgf 570  
Weight of ventilator in kgf 570

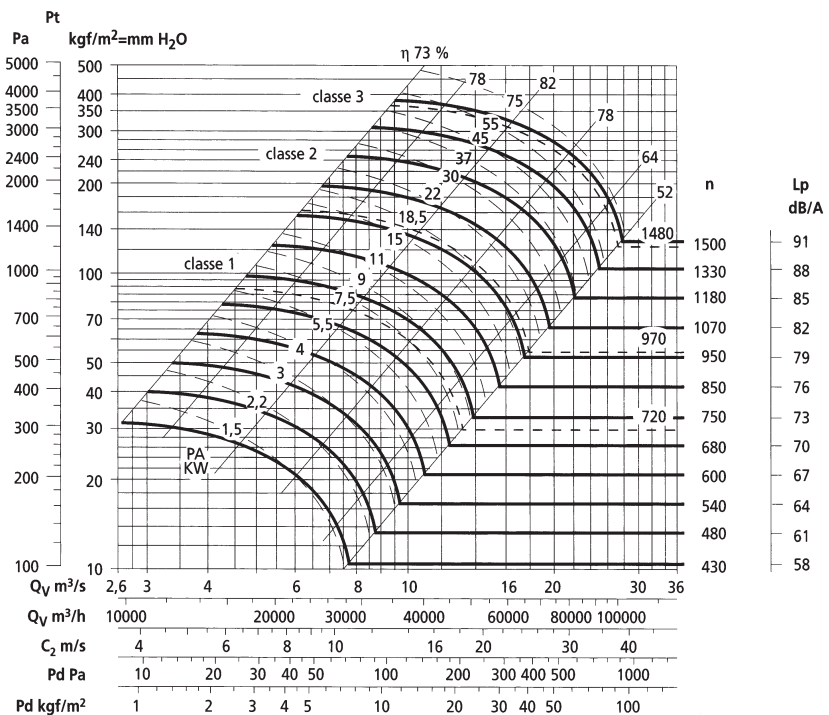
PD<sup>2</sup> = 78 kgf m<sup>2</sup>

Massima velocità di rotazione  
Maximum rotation speed

	Classe 1	Classe 2	Classe 3
<100°C	= 1000	1240	1600
100÷200°C	= 900	1120	1400
200÷300°C	= 800	1000	1240

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

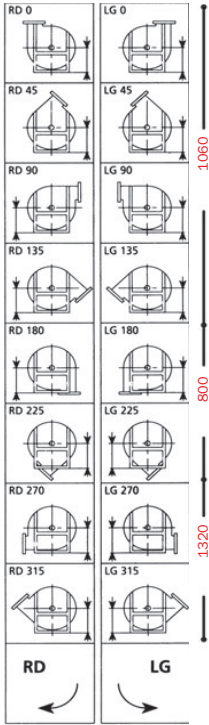
Tolleranza sulla potenza assorbita ± 3%  
Absorbed power tolerance ± 3%



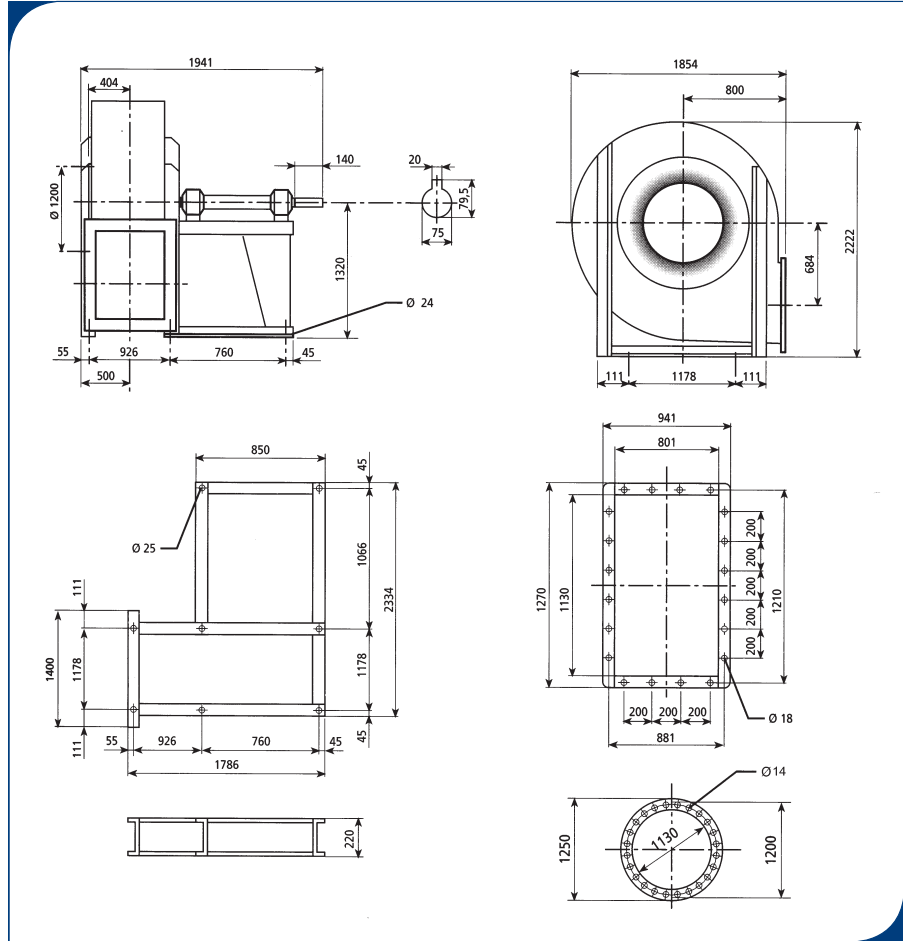
Belt driven fans performances

Prestazioni ventilatori a trasmissione

RPL 1120T



Il ventilatore non è orientabile  
The fan is not revolvable



Peso ventilatore in kgf 870  
Weight of ventilator in kgf 870

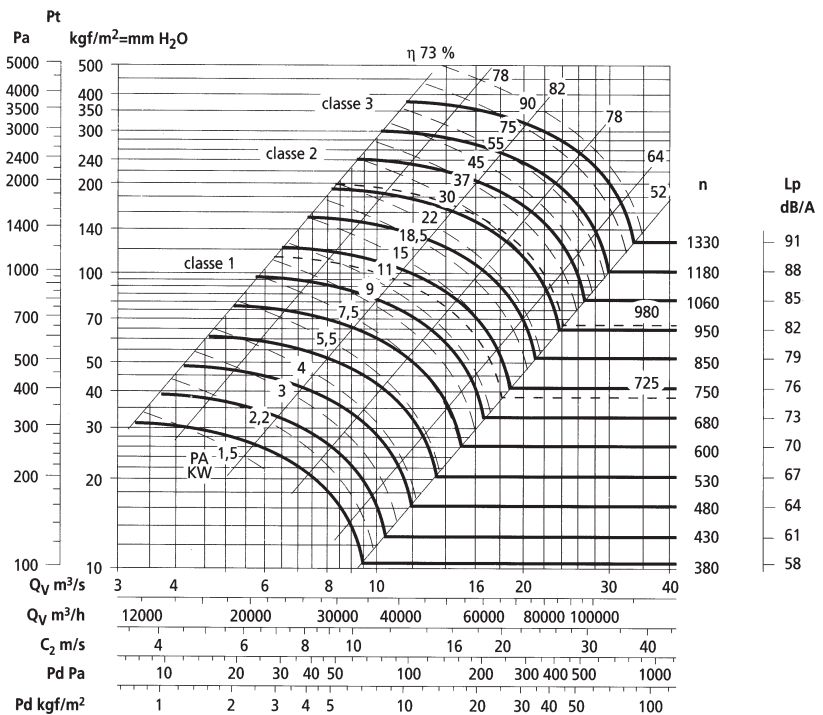
PD<sup>2</sup> = 134 kgf m<sup>2</sup>

Massima velocità di rotazione  
Maximum rotation speed

	Classe 1	Classe 2	Classe 3
<100°C	= 900	1130	1400
100÷200°C	= 800	1000	1250
200÷300°C	= 700	900	1130

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

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



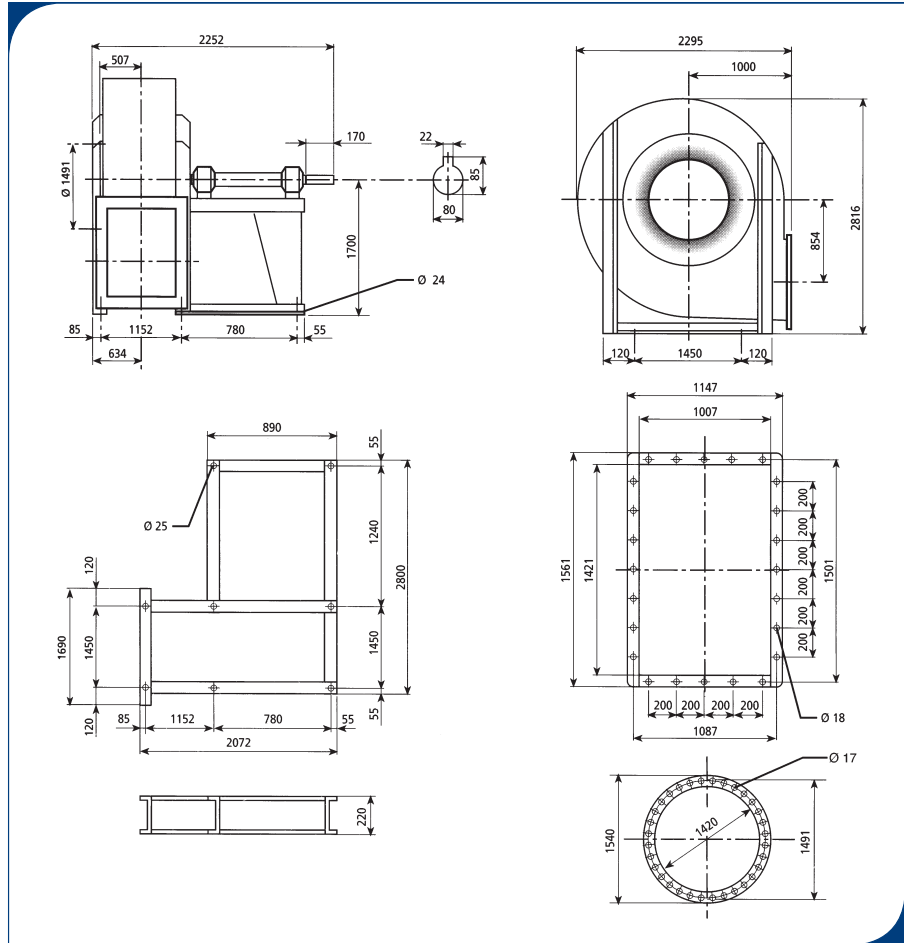
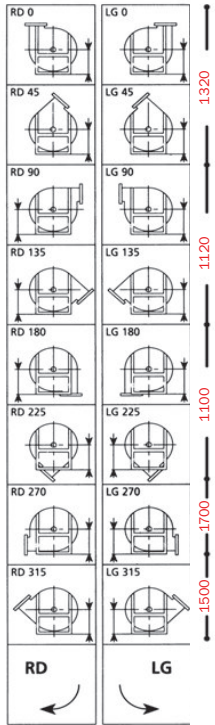




**Belt driven fans performances**

**Prestazioni ventilatori a trasmissione**

**RPL 1400T**



**Peso ventilatore in kgf 1580**  
Weight of ventilator in kgf 1580

**PD<sup>2</sup> = 379 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
Maximum rotation speed

	Classe 1	Classe 2	Classe 3
<100°C	= 710	900	1110
100÷200°C	= 630	800	1000
200÷300°C	= 560	700	900

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

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

