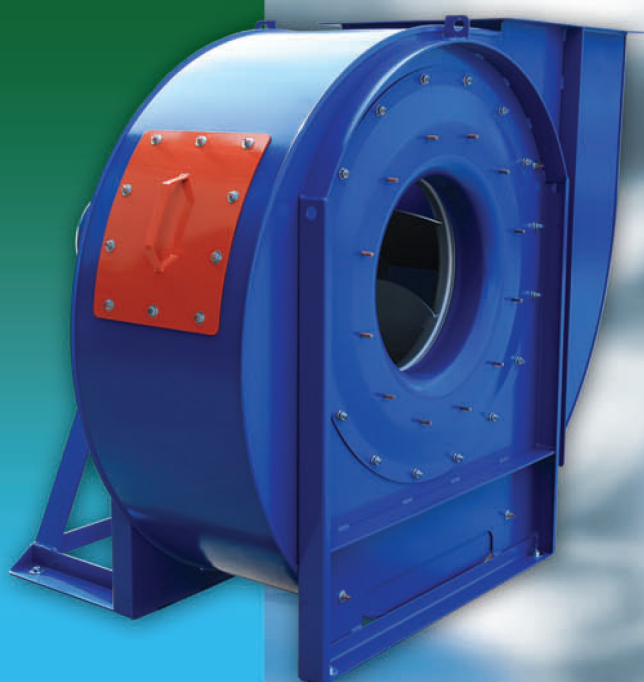


mod.  
TRM



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Als het om lucht gaat.

  
**AUERHAAN**  
KLIMATECHNIEK

#### Exécution 4

##### Arrangement 4

Accouplement direct. Turbine montée directement sur arbre moteur. Moteur à patte B3 avec chaise.  
 Température maxi en exécution standard = 60°C.  
 Température maxi avec piege à calories = 150°C.

##### Arrangement 5

Accouple direct. Turbine montée directement sur arbre moteur. Moteur à bride B5 sans chaise.  
 Température maxi en exécution standard = 60°C.  
 Température maxi avec piege à calories = 150°C.

##### Arrangement 1

Arbre nu. Turbine monté sur palier intermédiaire.  
 Température maxi en exécution standard = 60°C.  
 Température maxi avec piege à calories = 300°C.

##### Arrangement 9

Transmission poulies / courroies.  
 Turbine montée sur palier intermédiaire.  
 Montage moteur avec platine sur le coté de la Chaise.  
 Températures maxi comme arrangement 1.

##### Arrangement 12

Transmission poulies / courroies.  
 Transmission poulies / courroies.  
 Turbine montée sur palier intermédiaire.  
 Montage moteur sur glissières et châssis commun.  
 Températures maxi comme arrangement 1.

##### Arrangement 8

Transmission par accouplement élastique.  
 Turbine monté sur palier intermédiaire.  
 Montage moteur dans le même axe que le palier.  
 Températures maxi comme arrangement 1.

#### Esecuzione 4

Accoppiamento diretto. Girante a sbalzo calettata direttamente sull'albero del motore elettrico sostenuto dalla sedia. Massima temperatura di funzionamento in esecuzione standard: 60°C. In esecuzione speciale: 150°C.

##### Esecuzione 5

Accoppiamento diretto. Girante montata direttamente sull'albero motore - Motore flangiato ventilatore senza sedia.

##### Esecuzione 1

Girante montata a sbalzo, sostenuta dall'albero di trasmissione all'interno del supporto monoblocco montato su sedia esterna alla chiocciola del ventilatore, accoppiato al motore con cinghie e pulegge. Massima temperatura di funzionamento in esecuzione standard: 60°C. Con ventolina di raffreddamento: 300°C

##### Esecuzione 9

Analoga alla esecuzione 1, con il motore sostenuto sul fianco della sedia. Limiti di temperatura come per esecuzione 1.

##### Esecuzione 12

Per accoppiamento a cinghie analogamente alla esecuzione 1, con motore e ventilatore montati sullo stesso basamento. Limiti di temperatura come per esecuzione 1.

##### Esecuzione 8

Trasmissione con accoppiamento elastico montaggio motore sullo stesso asse della girante



Positions conventionnelles par vue dessus des moteurs a transmissions par courroies.

Posizioni convenzionali in pianta dei motori per trasmissione a cinghie.

Plan for motor positioning belt drive.

#### Arrangement 4

Directly coupled fan blower splined to the shaft of the motor supported by the pedestal.  
 Maximum working temperature standard 60°C.  
 Whit special arrangements: 150°C.

##### Arrangement 1

Fan cantilevered assembly, supported by the shaft in the interior case, supported on a external pedestal at the volute of the fan, connected to the motor with belts and pulleys.  
 Maximum working temperature standard 60°C.  
 Whit small cooling disc°C.

##### Arrangement 9

Similar yo arrangement 1, but with the motor supported on the side of the pedestal.  
 Temperature limits as per arrangements 1.

##### Arrangement 12

For the connections with belts likewise the arrangement 1, with motor and fann assembled on the same pedestal.  
 Temperature limits as per arrangements 1.

#### Ausführung 4

Direktantrieb. Das Laufrad ist direkt auf der Motorwelle montiert. Maximale Betriebstemperatur in der Standardausführung: 60 °C  
 Sonderausführung mit Kühlflügel: 150 °C

##### Ausführung 1

Das Laufrad ist auf einer Antriebswelle montiert. Die Lagerung ist außerhalb des Ventilatorgehäuses angeordnet, der Antrieb erfolgt über Keilriemen und Keilriemenscheiben. Maximale Betriebstemperatur in der Standardausführung: 60 °C  
 Sonderausführung mit Kühlflügel: 300 °C

##### Ausführung 9

Wie Ausführung 1; der Motor ist seitlich am Lagerblock angebracht.  
 Temperatur wie Ausführung 1

##### Ausführung 12

Wie Ausführung 1; Ventilator und Motor sind auf einem gemeinsamen Grundrahmen montiert. Temperatur wie Ausführung 1.

#### Ejecucion 4

Acoplamiento directo. Rotor encajado directamente en el eje del motor eléctrico soportado la bancada. Maxima temperatura de funcionamiento en ejecución standard: 60°C.  
 En ejecución especial: 150°C.

##### Ejecucion 1

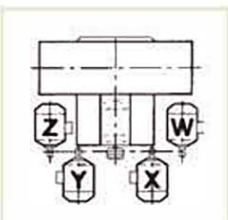
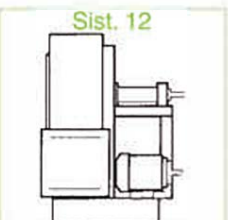
Rodete sostenido por el eje de transmisión en el interior del soporte monobloque soportado en bancada exterior por correa y poleas. Maxima temperatura de funcionamiento en ejecución standard: 60°C.  
 Con ventilación auxiliar para refrigeración: 300°C.

##### Ejecucion 9

Análoga a la ejecución 1, con el motor montado sobre el lateral de la bancada. Limite de la temperatura como en la ejecución 1.

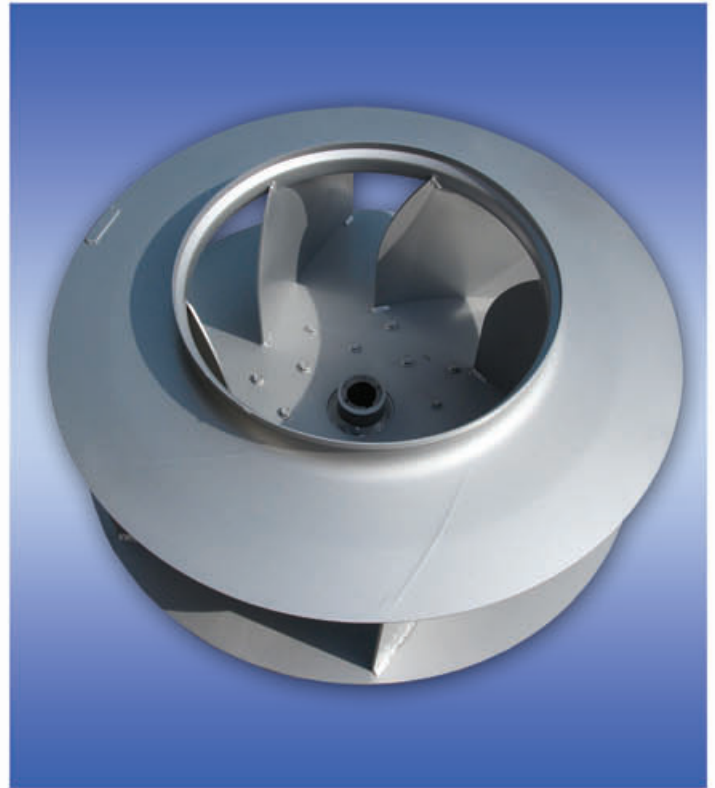
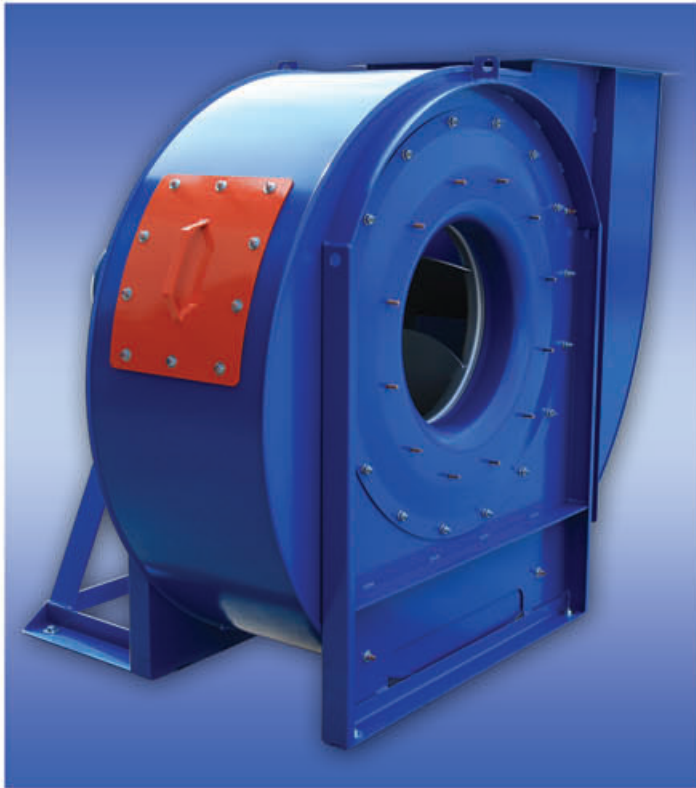
##### Ejecucion 12

Para acoplamiento por correa, análogamente a la ejecución 1, con motor y ventilador montados sobre la misma bancada. Limite de temperatura como para la ejecución 1.



Konventionelle Stellungen auf Plan der Keilriemangetriebenen Motoren.

Posición convencional, en planta, de los motores con transmisión por correa.



Fan type Ventilatore tipo Ventilateur type Ventilator Typ	280-310	350	400-450	501	560	630	710	800-900
<b>Support type</b> Supporto tipo <b>Type palier double</b> Blocklager type	CAP 62	CAP 80	CAP 90	BLC 50-100	BLC 50-110	BLC 60-120	BLC 60-130	
Fan type Ventilatore tipo Ventilateur type Ventilator Typ	1000	1121-1251						
Support type Soppoito tipo Type palier double Blocklager type	CAP 150	SNH 518						

**Execution 9 - Arrangement 9 - Ausfuehrung 9**  
**Esecucion 9 - Esecuzione 9**

Ventilateur type Ventilatore tipo Fan type Ventilator Typ	280-310	350-450	500-630	710-900	1000-1250
Moteur grandeur Motore grandezza Motor size Baugröße motor	≤112M2	≤132MB2	≤160L2-4	≤180ML4	≤200L4-6

## UNI ISO 13349-2002

**CAMPO D'IMPIEGO E CARATTERISTICHE**  
**CHAMP D'UTILISATION ET CARACTERISTIQUES**  
**TECHNICAL SPECIFICATION**  
**ANWENDUNGSGEBIETE UND TECHNISCHE DATEN**  
**CAMPO DE APLICACION Y CARACTERISTICAS**

<b>Ventilateur à haut rendement:</b>	Mod. TRM.
<b>Champ d'utilisation:</b>	Haut débit, moyenne pression
<b>Type de pales:</b>	Incurvée en arrière
<b>Applications:</b>	Aspiration et transport d'air poussiéreux tel que, copeaux, granuleux, sont exclu les matériaux filamenteux. Température du fluide: 60°C en exécution standard. Température supérieure, construction spéciale.
<b>Type de construction:</b>	En acier carbone peint. Turbine en acier carbone équilibrée statiquement et dynamiquement.
<b>Caractéristiques de fonctionnement:</b>	Air à l'aspiration à 15°C, p= 760 mm Hg

<b>Niveau de pression acoustique:</b>	Mesure en 4 points à 1,5 m du ventilateur, champ libre, bouches raccordées. Sont écluse moteur et transmission.
<b>Orientations:</b>	16 orientations sont disponibles (8 en RD et 8 en LG). Elles sont définies en regardant le ventilateur du côté moteur ou transmission
<b>Constructions spéciales:</b>	Anti-étincelles - ATEX - ANTICOROSION. Haute température jusqu'à 300°C avec disque dissipateur, 450°C sur demande.

<b>Ventilatore ad alto rendimento:</b>	Mod. TRM.
<b>Campo di lavoro:</b>	portate elevate, pressioni medie.
<b>Tipo di pale:</b>	rovesce.
<b>Applicazioni:</b>	aspirazione e trasporto di aria anche molto polverosa, segatura, trucioli vari, materiali granulari, ad esclusione dei materiali filamentosi.
<b>Temperature del fluido:</b>	fino a 60 °C in esecuzione standard; esecuzioni speciali per temperature superiori.
<b>Caratteristiche costruttive:</b>	costruzione robusta in lamiera verniciata, ventola in acciaio equilibrata staticamente e dinamicamente.
<b>Caratteristiche di funzionamento:</b>	condizioni dell'aria in aspirazione T = 15 °C, p = 760 mm Hg.
<b>Rumorosità:</b>	i valori di rumorosità sono ottenuti attraverso letture eseguite nei 4 punti cardinali alla distanza di 1,5 mt dal ventilatore. Sono esclusi motore e trasmissione; letture in campo libero con ventilatori intubati secondo norme UNI.
<b>Orientamenti:</b>	i ventilatori serie TRM ammettono 16 posizioni di orientamento (8 orarie RD e 8 antiorarie LG) definite guardando il ventilatore dal lato trasmissione.
<b>Costruzioni speciali:</b>	versione antiscintilla con rasamenti sulle parti non rotanti potenzialmente a contatto con la ventola in materiale non ferroso ATEX versione anticorrosiva: esecuzione con verniciature o materiali speciali. versione per alte temperature: con ventolina di raffreddamento fino a 300 °C, esecuzioni speciali a richiesta per temperature fino a 450 °C.

**Special constructions:** sparkproof features with shim adjustments on the non rotating parts potentially in contact with the impeller in non ferrous materials. ATEX Corrosion resistant version with special coatings or material.  
Temperature resistant features with small cooling disc up to 300 °C. Special arrangement on request up to 450 °C.

**Hochleistungsventilator:** Typ TRM  
**Einsatzgebiet:** Größere Luftmengen, Mitteldruck  
**Schaufeltyp:** Rückwärtsgekrümmt  
**Anwendungsfälle:** Absaugung und Transport von staubhaltiger Luft, Sägemehl, Spänen, Kornmaterialien u. s. w.; für lange Späne nicht geeignet.  
**Lufttemperatur:** bis 60 °C für Standardausführungen; Sonderausführungen für höhere Temperaturen  
**Baumerkmale:** robuste Bauweise, Stahlblech lackiert, Laufrad statisch und dynamisch ausgewuchtet.  
**Leistungsdaten:** Daten gemessen am Ansaugstutzen T = 15 °C, p = 760 mm Hg.  
**Schalldruckpegel:** Summen-Messflächen-Schalldruckpegel im Abstand von 1,5 m im Freifeld gemessen, saug- und druckseitig an Rohrleitung angeschlossen nach UNI - Norm. Die Geräusche des Motors und Keilriemens sind nicht berücksichtigt.  
**Drehrichtung:** Die Ventilatoren Typ TRM sind in 16 verschiedenen Drehrichtungen lieferbar. Um die richtige Stellung zu definieren, wird der Ventilator von der Motorseite aus betrachtet. ATEX  
**Sonderausführungen:** Ex-geschützte Version in funkensicherer Ausführung, Edelstahlausführung, Heißgasausführung bis 300 °C mit Kühlflügel, Spezialanfertigungen bis 450 °C

<b>High efficiency fan:</b>	Mod. TRM.
<b>Field of application:</b>	high capacities, medium pressures.
<b>Type of blades:</b>	backward.
<b>Applications:</b>	suction and transport of air, sawdust, woodchips, granulated materials with the exclusion of fibrous materials.
<b>Air temperature:</b>	up to 60 °C standard, special features for higher temperatures.
<b>Construction specifications:</b>	rigid construction in enamelled sheet metal. Steel blower statically and dynamically balanced.
<b>Working principles:</b>	condition of the ducted air T = 15 °C, p = 760 mm Hg.
<b>Noise level:</b>	noise levels are obtained by readings taken at 4 points, at a distance of 1.5 mt from the fan. Motors and transmission are excluded. Readings are in free fields with a ducted fan according to UNI regulations.
<b>Fan handing:</b>	the fans mod. RM have 16 handings (8 clockwise RD and 8 counterclockwise LG) viewing from the drive side.

**Ventilador de alto rendimiento:** Mod. TRM.  
**Campo de trabajo:** caudal altas, presiones medias.  
**Tipo de paletas:** curvadas al revés del sentido de giro.  
**Aplicaciones:** aspiración y transporte de aire con arrastre de abundante polvo, serrin, troceados varios, materiales granulares, con exclusión de productos filamentosos.  
**Temperatura del fluido:** hasta 60° C en ejecución standard, ejecuciones especiales para temperaturas superiores.  
**Características constructivas:** construcción robusta en chapa barnizada. Rodete en acero, equilibrado estática y dinámicamente.  
**Características funcionales:** condiciones del aire en la aspiración T = 15 °C, p = 760 mm de Hg.  
**Ruidosidad:** los valores de medida del nivel de ruido se obtienen a partir de lecturas en la dirección de los cuatro puntos cardinales y a la distancia de 1,5 m del ventilador. Se excluyen motor y transmisión; lectura en campo

**Orientaciones:** abierto con el ventilador entubado según normas UNI.  
los ventiladores de la serie TRM pueden ser posicionados en 16 distintas orientaciones (8 girando en el sentido dextrógico, o de las agujas del reloj, y 8 en el sentido levógiro, o contrarioal reloj), definidas mirando el ventilador desde el lado de la transmisión.

**Construcciones especiales:**

versiones antideflagrantes con tramado en material no ferroso sobre las partes no rotantes potencialmente en contacto con el rodete. ATEX  
Versión anticorrosiva: ejecución con recubrimiento protector o en materiales.  
versión para altas temperaturas: con rodete de refrigeración hasta 300 °C. Ejecución especial bajo demanda hasta 450°C

**INDICAZIONI PER L'ORDINAZIONE  
A PRECISIER EN CAS DE COMMANDE  
TO BE SPECIFIED AT ORDER STAGE  
BEI BESTELLUNG FOLGENDE DATEN ANGEBEN  
ESPECIFICACIONES PARA CURSAR PEDIDO**

Nous invitons notre clientèle à préciser en cas de commande les données suivantes:

**1) Le type de ventilateur choisi avec les caractéristiques demandées:**

- Débit
- Pression
- Puissance absorbée
- Puissance installée
- Vitesse de rotation

**2) L'orientation**

**3) Exécution**

**4) Accessoires divers**

**5) Pour les moteurs électriques préciser:**

- Forme
- Voltage et fréquence
- Puissance et nombre de pôles
- Type de constructions spéciales

Si invita la Spettabile Clientela a precisare in fase d'ordine i seguenti dati:

**1) Il tipo di ventilatore scelto con le caratteristiche richieste di:**

- Portata
- Pressione
- Potenza assorbita
- Potenza installata
- Numero di giri

**2) L'orientamento**

**3) L'esecuzione**

**4) Accessori vari**

**5) Per i motori elettrici precisare:**

- Forma
- Tensione
- Potenza e numero di poli
- Esecuzioni costruttive speciali

Please specify at order stage the following information:

**1) Type of fan selected with the following details:**

- Capacity/Air volume
- Pressure
- Absorbed power
- Motor power
- R.P.M.

**2) Fan handing**

**3) Drive arrangement**

**4) Optional extras**

**5) Motor details:**

- Type
- Electrical supply
- Power and speed
- Special features

Angaben im Bestellfall

Bei Bestellung bitte folgende Daten angeben:

**1) Ventilator-typ und gewünschte Daten**

- Luftleistung
- Druck
- Leistung an der Welle
- Motorleistung
- Drehzahl

**2) Drehrichtung**

**3) Ausführung**

**4) Zubehör**

**5) Elektromotor**

- Bauform
- Spannung und Frequenz
- Leistung und Polzahl
- Sonderwünsche

Se ruega a los Srs. clientes que al cursar pedido concreten los siguientes datos:

**1) Tipo de ventilador seleccionado y características nominales:**

- Caudal
- Presion
- Potencia absorbida
- Potencia instalada
- Velocidad de rotación (RM)

**2) Orientación**

**3) Ejecución**

**4) Accesorios diversos**

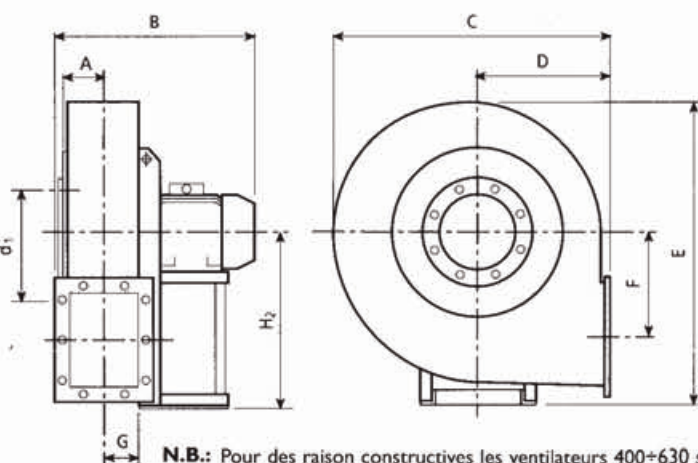
**5) Para los motores eléctricos debe indicarse:**

- Forma
- Tensión y frecuencia
- Potencia y número de polos
- Ejecuciones constructivas especiales

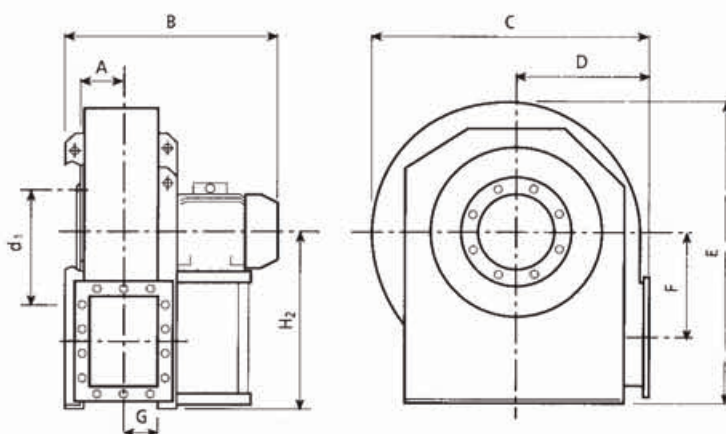
**DIMENSIONI D'INGOMBRO E PESI SERIE "TRM"**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS SERIE "TRM"**  
**OVERALL DIMENSIONS AND WEIGHT SERIES "TRM"**  
**AUSMAßE UND GEWICHTE SERIE "TRM"**  
**DIMENSIONES QUE OCUPA Y PESOS SERIE "TRM"**

Type / Tipo / Typ / Tipo		Poids Peso Weight Gewicht Peso	PD <sup>2</sup> GD <sup>2</sup>	Ventilateur Ventilatore Fan Ventilator Ventilador										Bride a l'aspiration Flangia aspirante Inlet flange Flansch saugseitig Boca aspirante					
Ventilateur Ventilatore Fan Ventilator Ventilador	Moteur Motore Motor Motor Motor			kgf	kgf m <sup>2</sup>	A	B *	C	D	E	F	G	H	H <sub>1</sub>	H <sub>2</sub>	d	d <sub>1</sub>	d <sub>2</sub>	n°
TRM 250/2	71 A2	26	0,10	86	380 400	441	195	526	175	76	315	195	315	185	219	255	8	12	207
TRM 280/2	71 B2	30	0,15	95	420	477	200	610	202	86	375	200	375	205	241	275	8	12	231
TRM 280/2	80 A2	32	0,16		440														
TRM 310/2	80 B2	41	0,19	105	460	527	225	658	229	96	400	225	400	228	265	298	8	12	258
TRM 310/2	90 S2	44	0,21		480														
TRM 350/2	90 S2	66	0,43	115	500	600	255	740	253	107	450	255	450	255	292	325	8	12	288
TRM 350/2	90 L2	69	0,50		530														
TRM 400/2	100 LA2	107	0,70	127	590	655	285	815	286	118	500	285	500	285	332	365	8	12	322
TRM 400/2	112 M2	110	0,80		630														
TRM 450/2	132 SA2	150	1,2	141	670	735	320	915	321	131	560	320	560	320	366	400	8	12	361
TRM 450/2	132 SB2	158	1,4		670														
TRM 500/2	160 MR2	235	2,3	157	830	832	360	1000	355	148	600	360	600	360	405	440	8	12	404
TRM 500/2	160 M2	247	2,6		830														
TRM 500/4	90 S4	132	2,1	177	880	940	400	1126	390	165	670	400	670	405	448	485	12	12	453
TRM 500/4	90 L4	135	2,2		940														
TRM 560/2	160 L2	286	3,4	195	880	1052	450	1260	439	185	750	450	750	455	497	535	12	12	507
TRM 560/2	180 M2	316	3,8		830														
TRM 560/4	100 LA4	140	3,2	241	940	1340	560	1591	560	226	755	560	950	565	629	665	12	13	638
TRM 560/4	100 LB4	144	3,3		940														
TRM 630/4	112 M4	178	5,6	216	775	1189	500	1416	500	202	670	500	850	505	551	585	12	13	569
TRM 630/4	132 SA4	191	6,3		815														
TRM 710/4	132 MA4	285	10,6	275	880	1500	630	1780	630	253	850	630	1060	635	698	735	12	13	715
TRM 710/4	160 M4	308	11,8		960														
TRM 800/4	160 L4	400	17	308	1010	1685	710	1993	710	284	950	710	1180	715	775	815	16	15	801
TRM 800/4	180 M4	430	19		1050														
TRM 800/6	132 MA6	330	16	350	940	1884	800	2222	800	319	1080	800	1320	805	861	905	16	15	898
TRM 800/6	132 MB6	340	18		940														
TRM 900/4	200 L4	580	30	350	1230	1884	800	2222	800	319	1080	800	1320	805	861	905	16	15	898
TRM 900/4	225 S4	620	34		1070														
TRM 900/6	160 M6	465	29	350	1070	1884	800	2222	800	319	1080	800	1320	805	861	905	16	15	898
TRM 900/6	160 L6	495	33		1070														
TRM 1000/4	225 M4	760	48	350	1320	1884	800	2222	800	319	1080	800	1320	805	861	905	16	15	898
TRM 1000/4	250 M4	830	53		1380														
TRM 1000/6	180 L6	652	47	350	1230	1884	800	2222	800	319	1080	800	1320	805	861	905	16	15	898
TRM 1000/6	200 LR6	679	52		1300														
TRM 1120/4	280 S4	1220	106	350	1620	1884	800	2222	800	319	1080	800	1320	805	861	905	16	15	898
TRM 1120/4	280 M4	1257	118		1620														
TRM 1120/6	200 L6	995	114	350	1390	1884	800	2222	800	319	1080	800	1320	805	861	905	16	15	898
TRM 1120/6	225 M6	1043	116		1410														

Poids du ventilateur en kgf (avec son moteur) • Peso ventilatore in kgf (completo di motore) • Weight of ventilator (complete with motor)



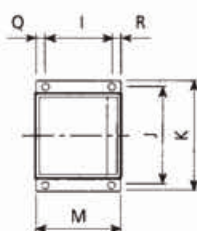
**N.B.:** Pour des raison constructives les ventilateurs 400+630 sont orientés à un angle de 30° et non de 45°. En cas où 45° sont nécessaires pour l'installation, il suffit de le préciser lors de la commande



**N.B.:** Per motivi costruttivi interni i ventilatori della grandezza 400+630 seguono un orientamento con angoli di 30° anzichè 45°. Necessitando i 45° basterà farlo presente al momento dell'ordinazione.

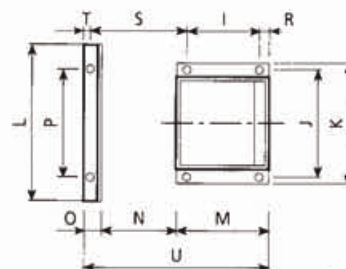
250 + 500

Le ventilateur est orientable  
 Il ventilatore è orientabile  
 The fan is revolvable  
 Der Ventilator ist orientable  
 El ventilador es orientable



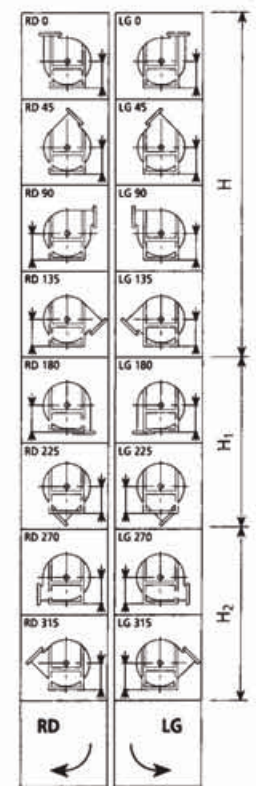
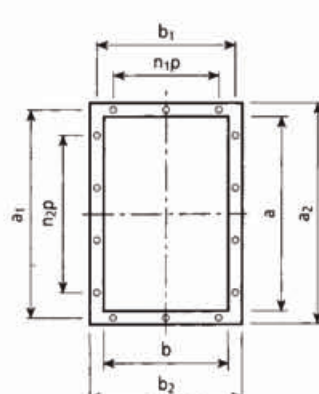
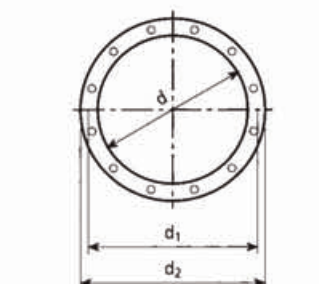
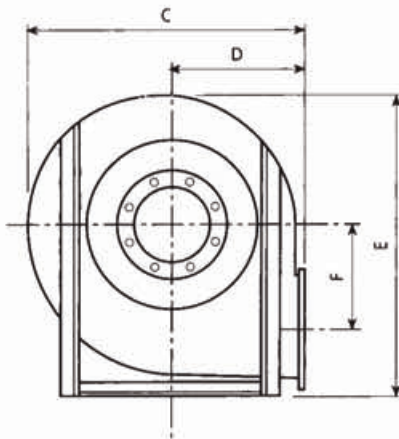
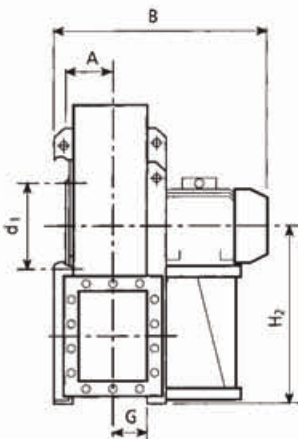
560 + 1000

Le ventilateur est orientable  
 Il ventilatore è orientabile  
 The fan is revolvable  
 Der Ventilator ist orientable  
 El ventilador es orientable



Bride en refoulement Flangia premente Outlet flange Flansch druckseitig Boca de impulsión									Châssis Basamento Base Sockel Basamento													
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
148	241	182	277	218	1x112	1x112	8	12	140	229	251	-	200	-	-	-	30	30	-	-	-	12
166	265	200	301	236	1x112	1x112	8	12	140 140	229	251	-	200 200	-	-	-	30	30	-	-	-	12 12
185	292	219	328	255	1x112	2x112	10	12	140 165	229 254	251 276	-	200 225	-	-	-	30	30	-	-	-	12 12
205	332	249	368	285	1x125	2x125	10	12	165 165	254	276	-	225 225	-	-	-	30	30	-	-	-	12
229	366	273	402	309	1x125	2x125	10	12	220 220	302	324	-	280 280	-	-	-	30	30	-	-	-	12
256	405	300	441	336	1x125	2x125	10	12	260 260	352	374	-	320 320	-	-	-	30	30	-	-	-	12
288	448	332	484	368	2x125	3x125	14	12	375 375 165 165	402 402 254 254	444 444 276 276	-	435 435 225 225	-	-	-	30	30	-	-	-	12
322	497	366	533	402	2x125	3x125	14	12	375 420 220 220	402 448 302	444 490 324	692	435 480 280 280	322	53	632	30	30	375	23	790 835 625 625	12
361	551	405	587	441	2x125	3x125	14	12	220 260	302 352	324 374	762	280 320	361	53	702	30	30	422	23	664 714	12 12
404	629	464	669	504	2x160	3x160	14	14	200 315	772	826	915	320 435	404	60	772	30	39	497	27	764 879	12
453	698	513	738	553	2x160	3x160	14	14	315 360 200 200	862	926	1045	435 480 320 320	453	80	862	-	39	546	47	948 993 833 833	20
507	775	567	815	607	2x160	4x160	16	14	400 440 315 315	962	1026	1145	500 550 435 435	507	80	962	-	39	600	47	1087 1127 1002 1002	20
569	871	639	921	689	2x200	3x200	14	14	440 300 360 400	1056	1128	1255	550 600 480 500	569	100	1056	-	45	657	67	1209 1269 1129 1169	20
638	968	708	1018	758	3x200	4x200	18	14	565 565 400 440	1178	1268	1400	690 690 500 550	632	100	1178	-	45	763	55	1428 1428 1238 1278	24

Ventilatorgewicht inkl. Motor in kgf



1120

Le ventilateur n'est pas orientable  
Il ventilatore non è orientabile  
The fan cannot be revolved  
Ventilatorstellung kann nicht geändert werden  
El ventilador no es orientable

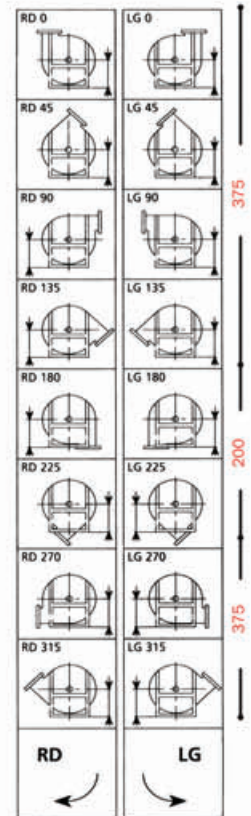
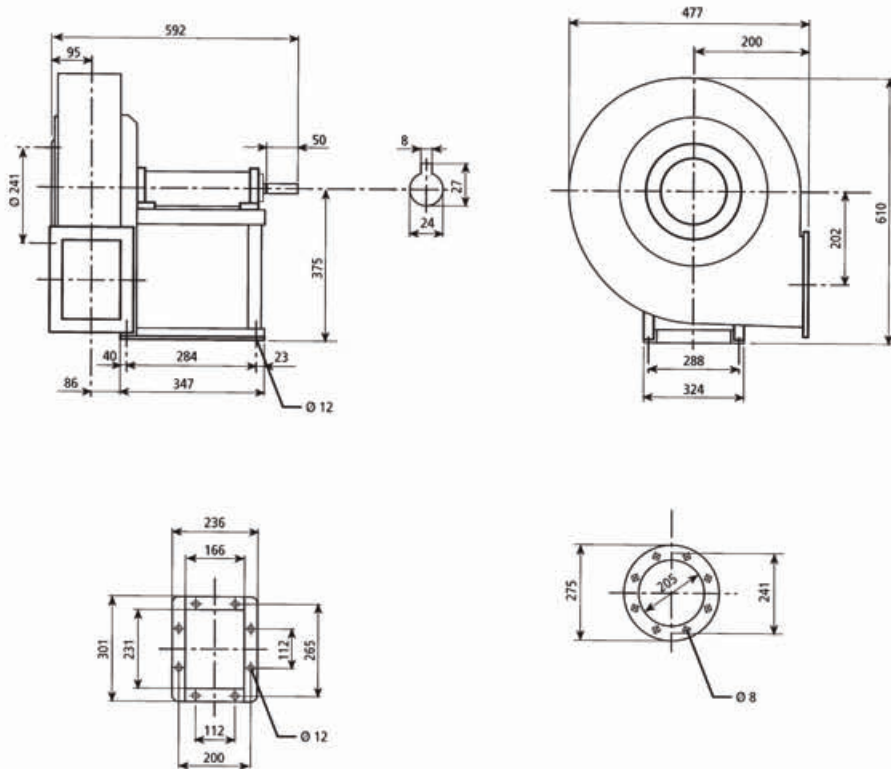






# TRM 280

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



Il ventilatore è orientabile  
 The fan is revolvable

**Peso ventilatore in kgf 36**  
 Weight of ventilator in kgf 36

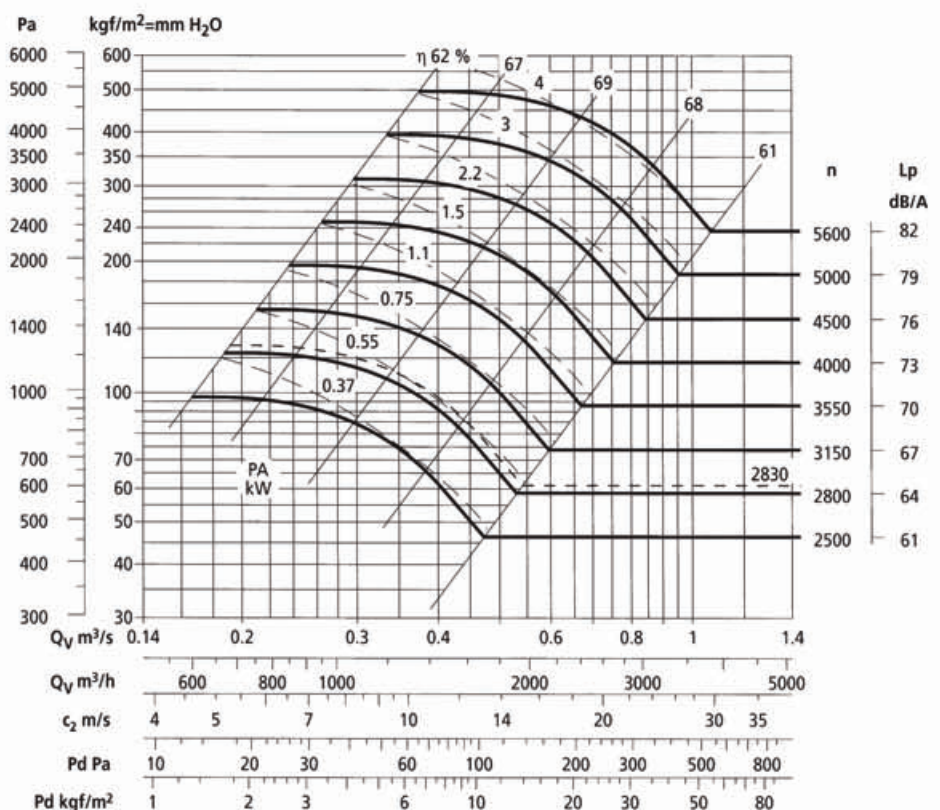
**PD<sup>2</sup> = 0,16 kgf m<sup>2</sup>**  
 GD<sup>2</sup> = 0,16 kgf m<sup>2</sup>

**Massima velocità di rotazione**  
 Maximum rotation speed

<100°C = 5000  
 100÷200°C = 4500  
 200÷300°C = 4000

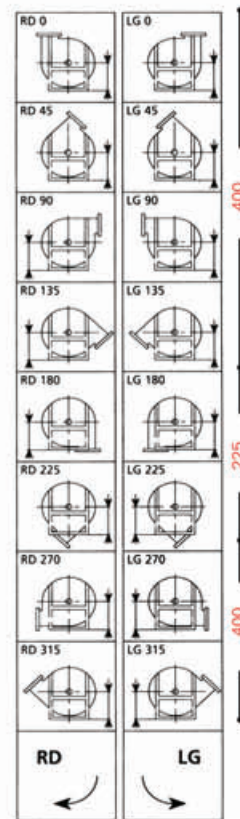
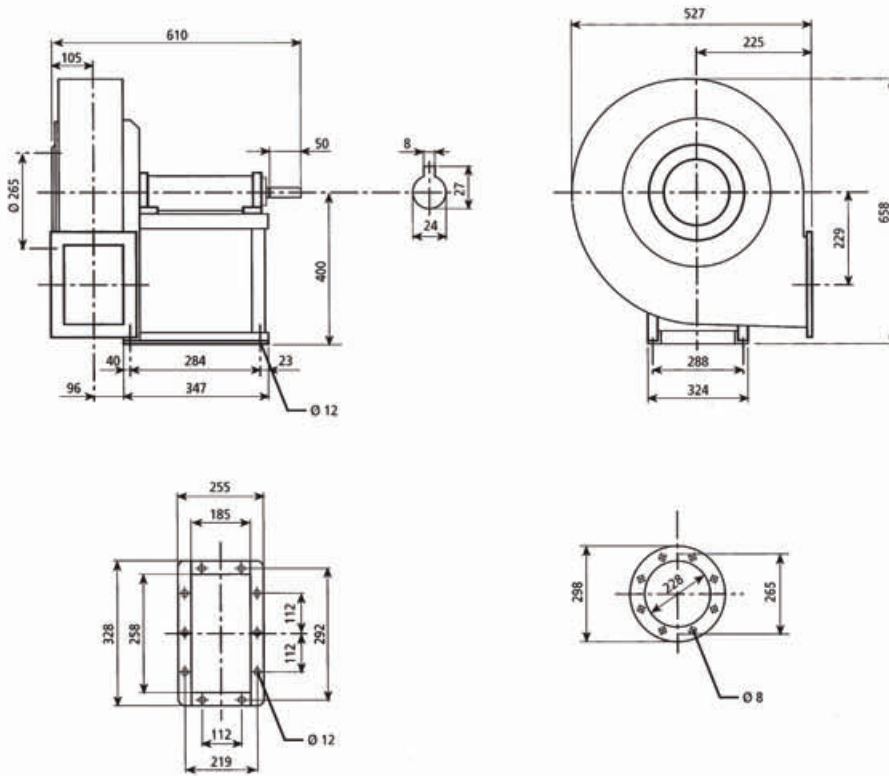
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 310

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



Il ventilatore è orientabile  
 The fan is revolvable

**Peso ventilatore in kgf 43**  
 Weight of ventilator in kgf 43

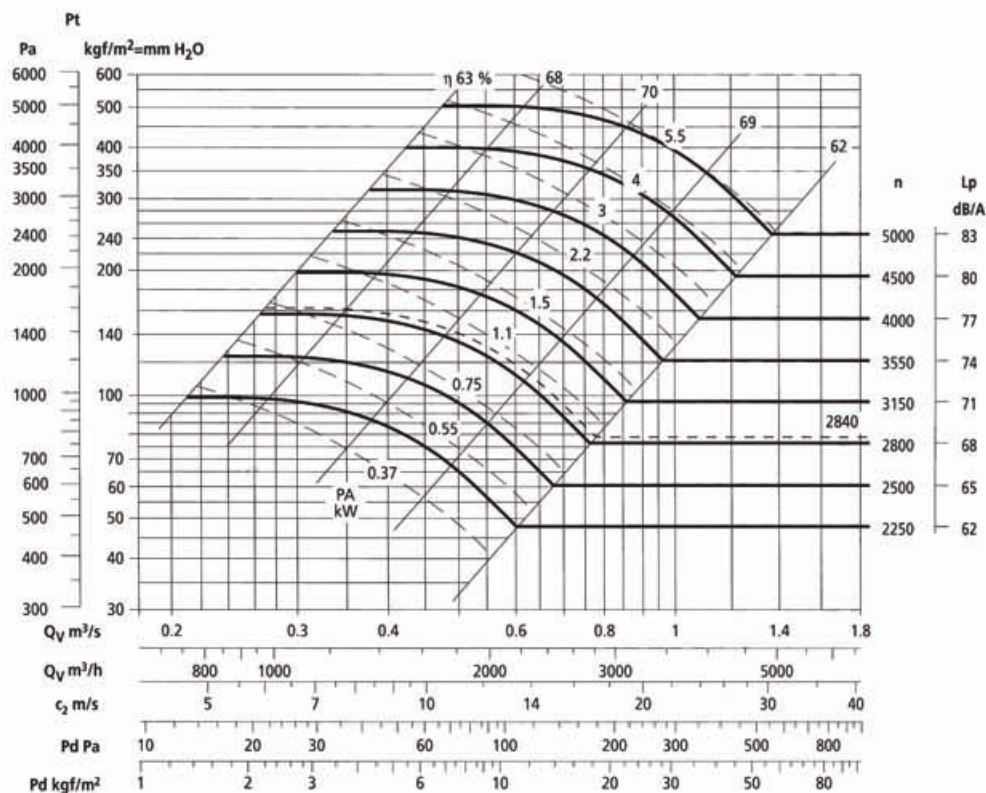
**PD<sup>2</sup> = 0,21 kgf m<sup>2</sup>**  
**GD<sup>2</sup> = 0,21 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
 Maximum rotation speed

<100°C = 4500  
 100÷200°C = 4000  
 200÷300°C = 3550

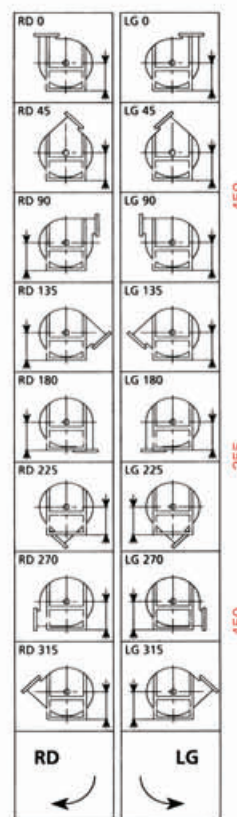
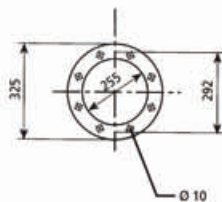
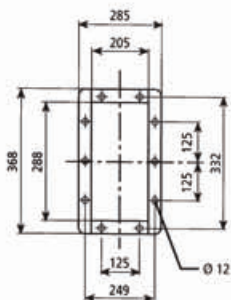
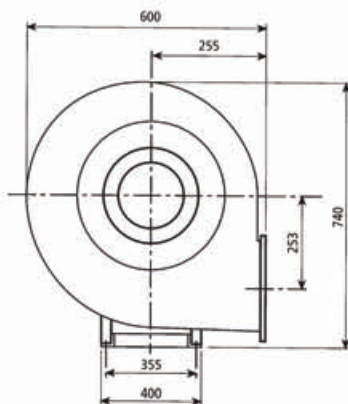
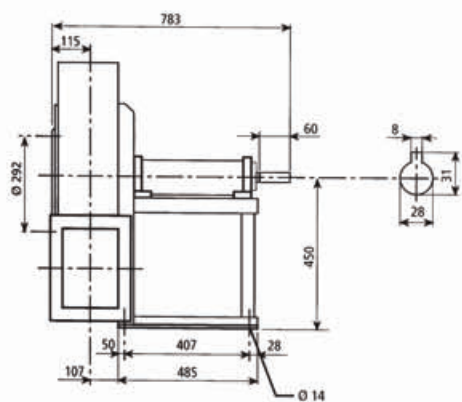
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 350

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



Il ventilatore è orientabile  
 The fan is revolvable

**Peso ventilatore in kgf 72**  
 Weight of ventilator in kgf 72

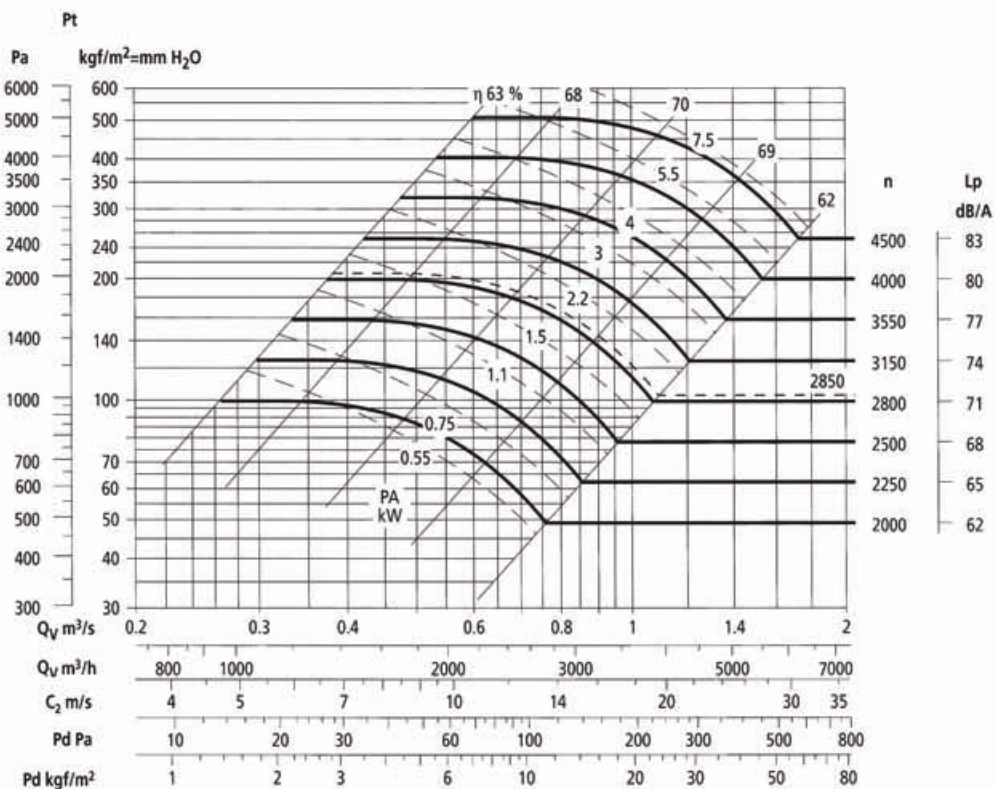
**PD<sup>2</sup>**  
**GD<sup>2</sup> = 0,5 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
 Maximum rotation speed

<100°C = 4000  
 100÷200°C = 3550  
 200÷300°C = 3150

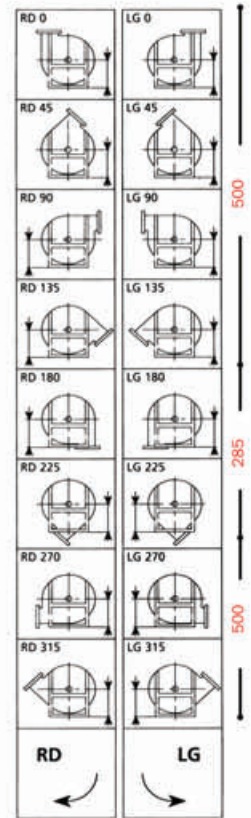
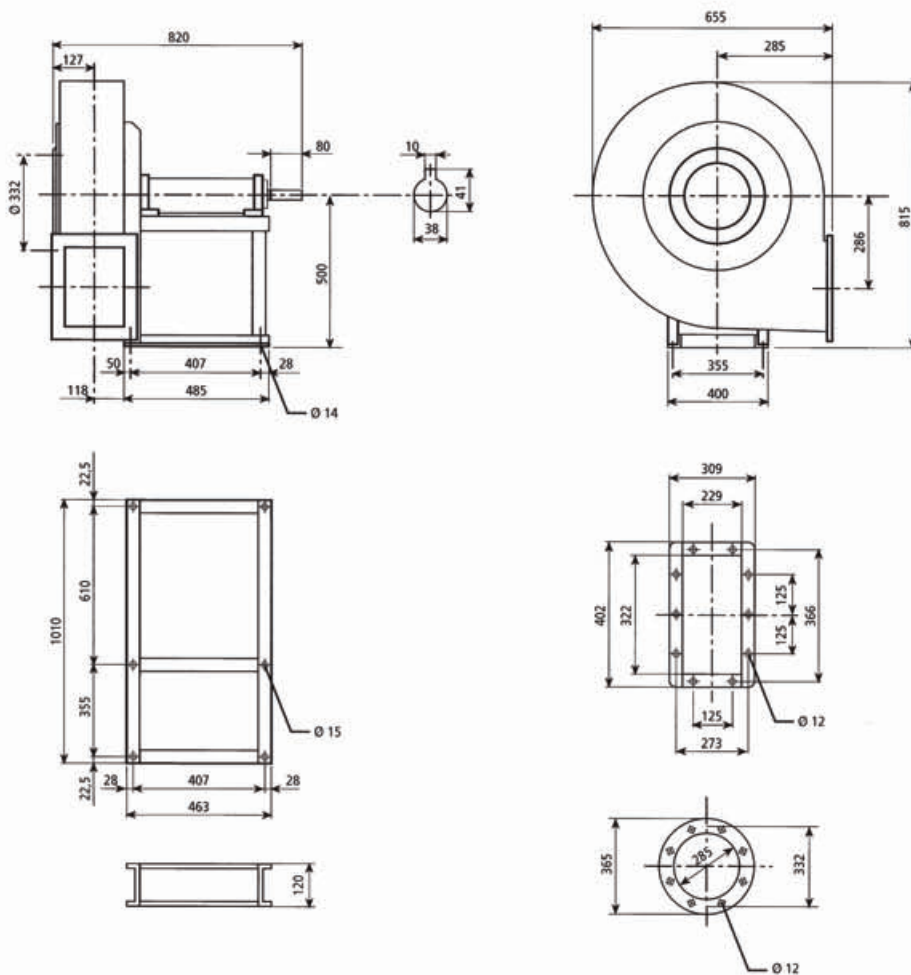
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 400

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



Il ventilatore è orientabile  
 The fan is revolvable

**Peso ventilatore in kgf 85**  
 Weight of ventilator in kgf 85

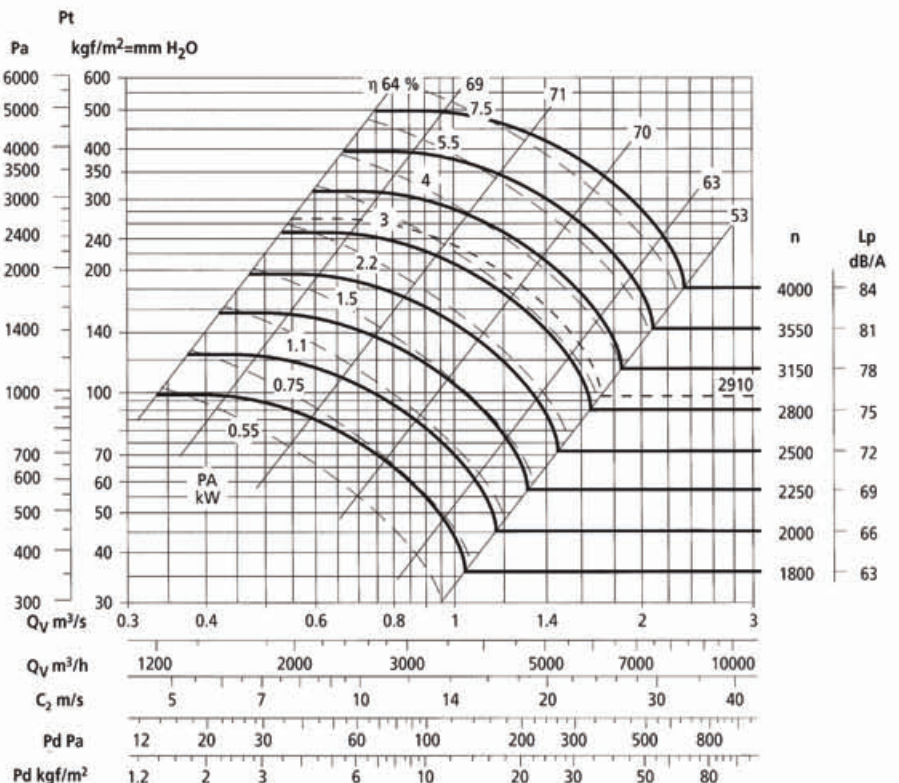
**PD<sup>2</sup> = 0,8 kgf m<sup>2</sup>**  
**GD<sup>2</sup> = 0,8 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
 Maximum rotation speed

<100°C = 3550  
 100÷200°C = 3150  
 200÷300°C = 2800

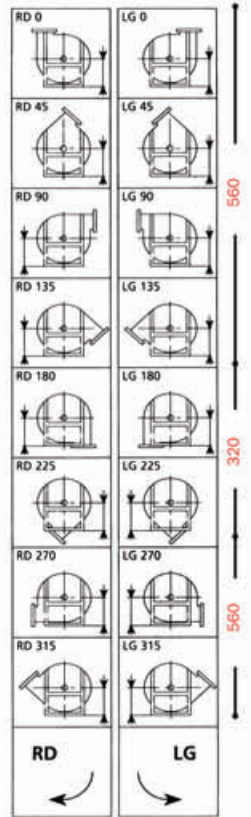
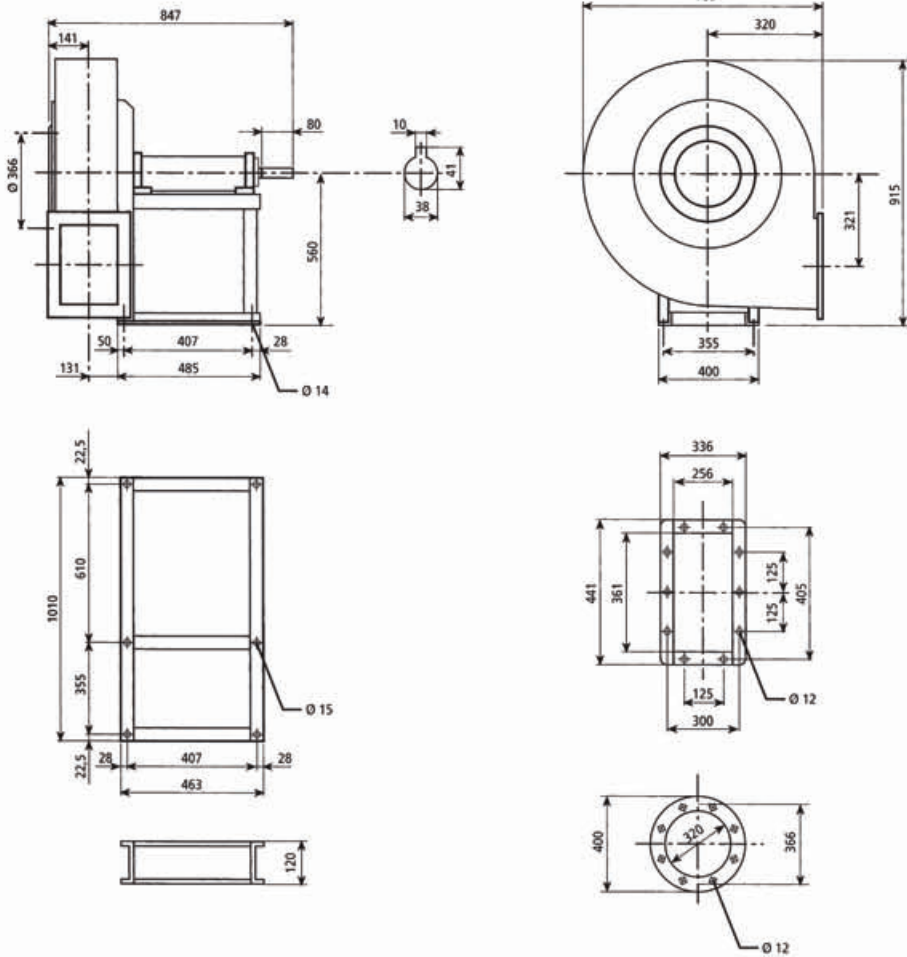
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 450

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



Il ventilatore è orientabile  
 The fan is revolvable

**Peso ventilatore in kgf 102**  
 Weight of ventilator in kgf 102

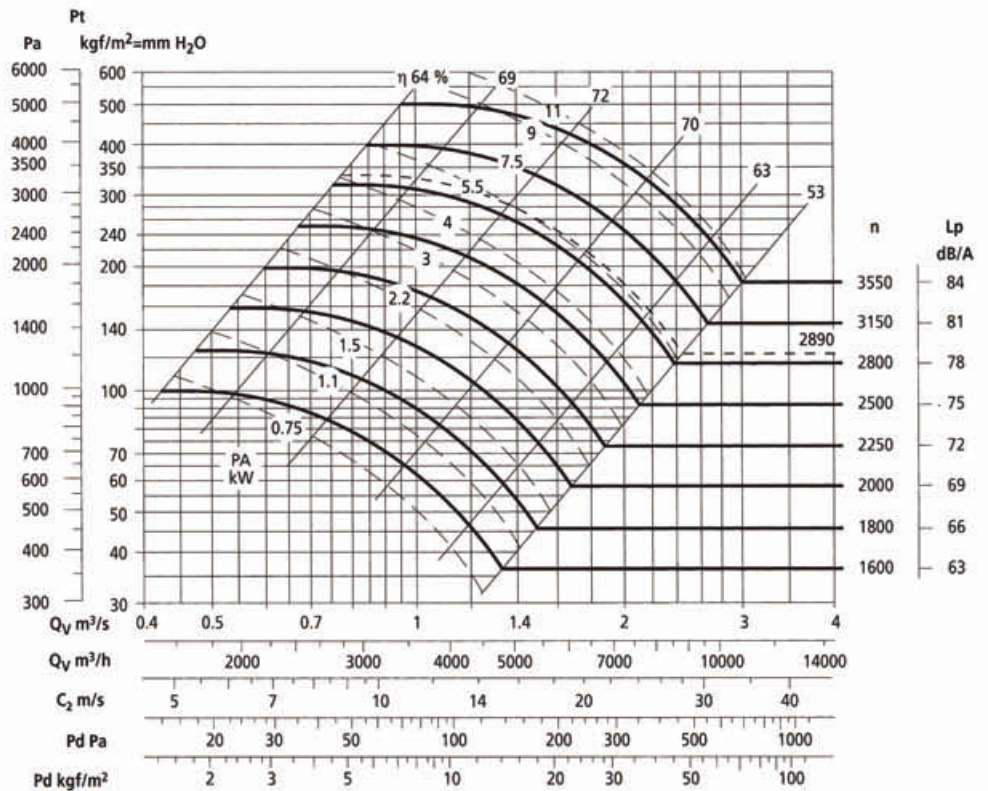
**PD<sup>2</sup> = 1,4 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
 Maximum rotation speed

<100°C = 3150  
 100÷200°C = 2800  
 200÷300°C = 2500

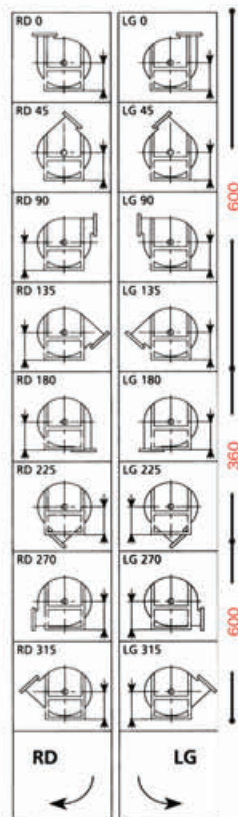
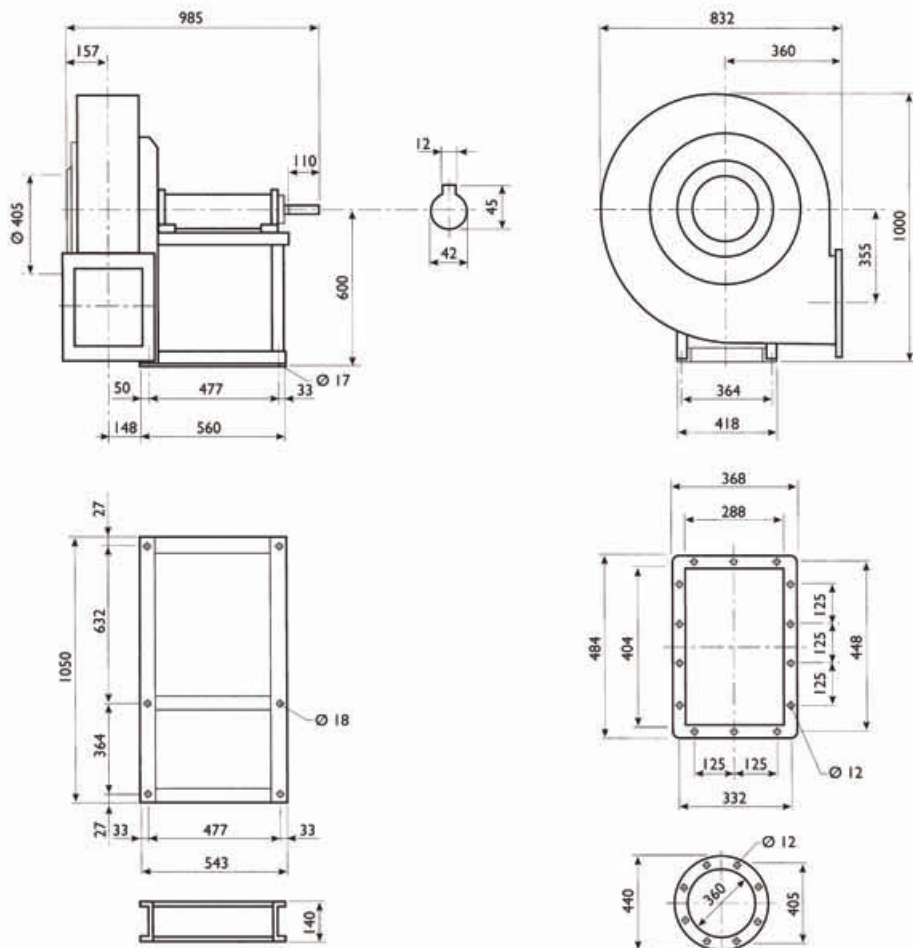
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 500

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



Il ventilatore è orientabile  
 The fan is revolvable

**Peso ventilatore in kgf 145**  
 Weight of ventilator in kgf 145

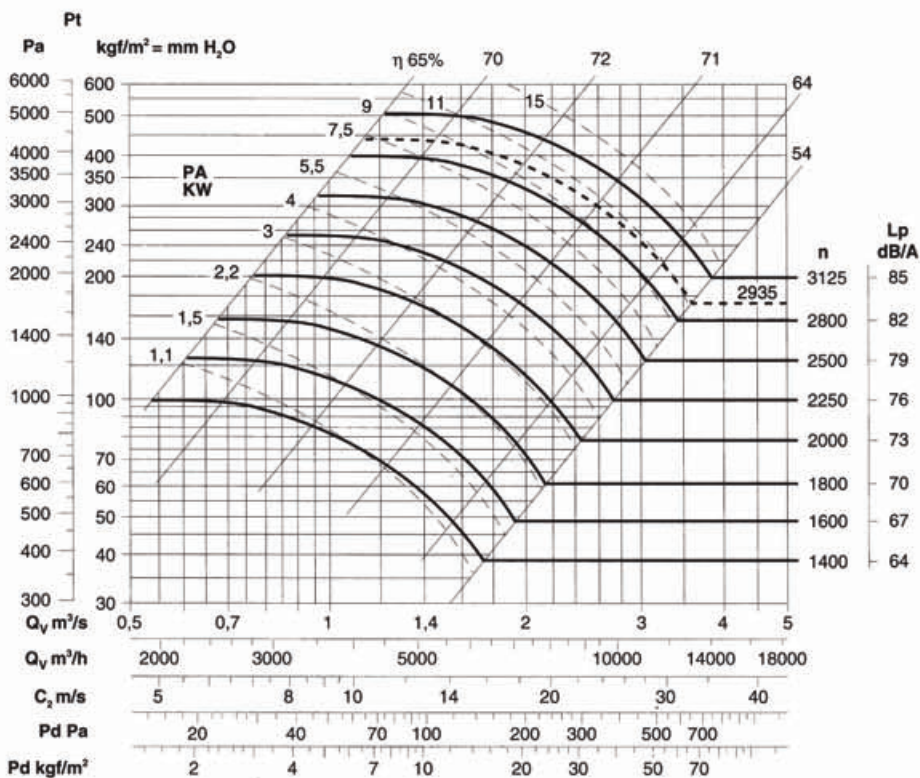
**PD<sup>2</sup> = 2,6 kgf m<sup>2</sup>**  
 GD<sup>2</sup> = 2,6 kgf m<sup>2</sup>

**Massima velocità di rotazione**  
 Maximum rotation speed

<100°C = 2800  
 100÷200°C = 2500  
 200÷300°C = 2250

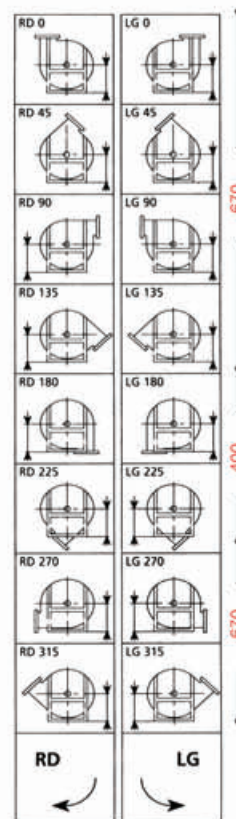
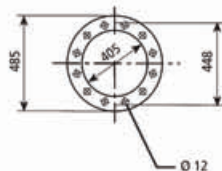
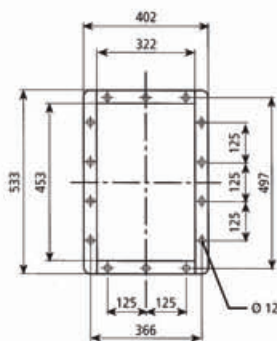
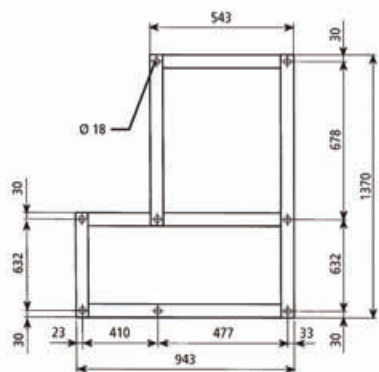
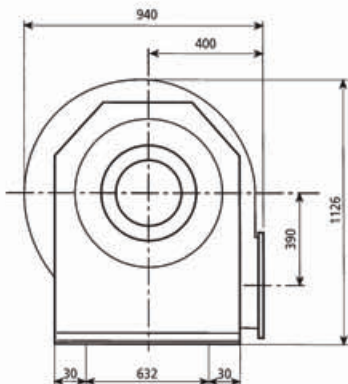
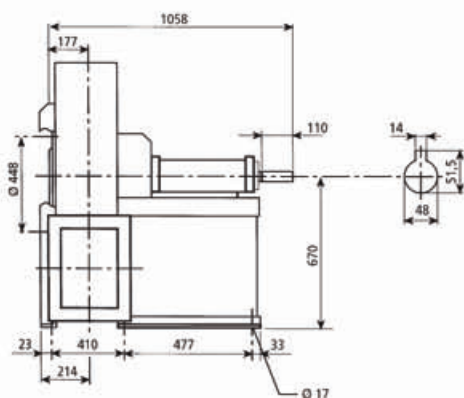
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 560

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



Il ventilatore è orientabile  
 The fan is revolvable

**Peso ventilatore in kgf 172**  
 Weight of ventilator in kgf 172

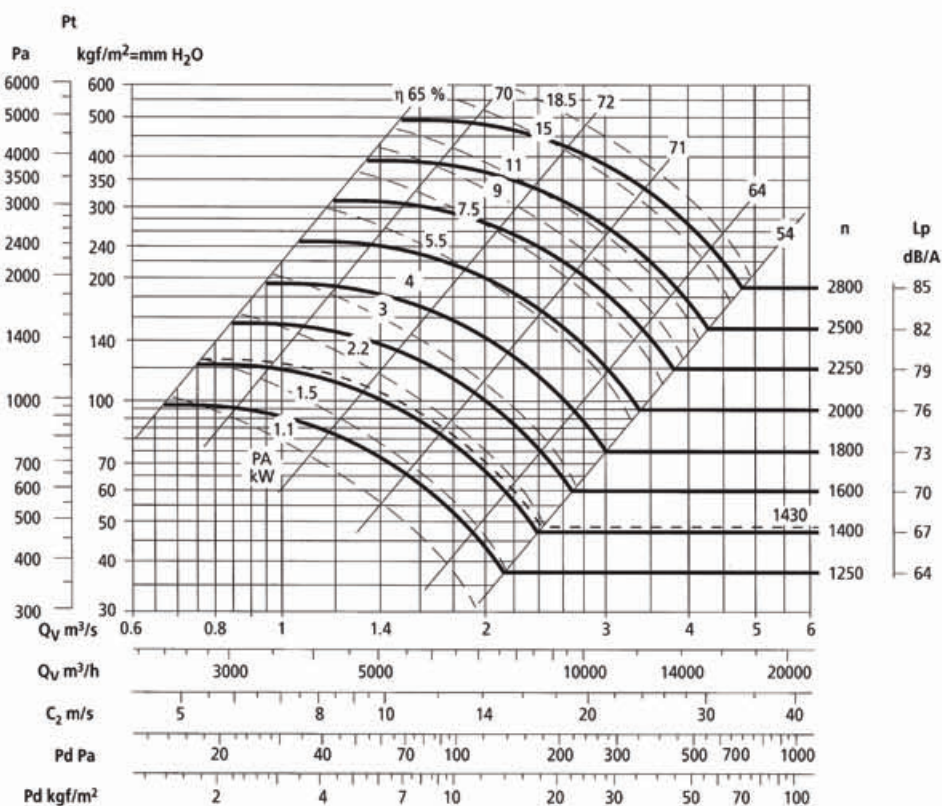
**PD<sup>2</sup> = 3,8 kgf m<sup>2</sup>**  
**GD<sup>2</sup> = 3,8 kgf m<sup>2</sup>**

**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)

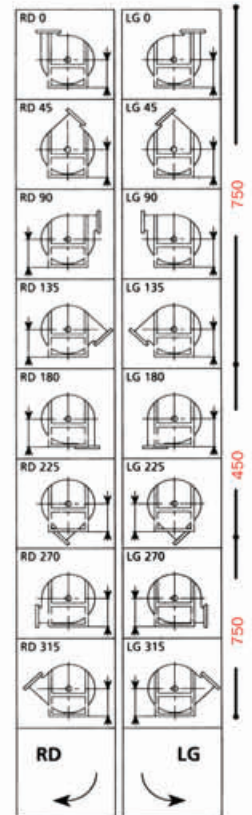
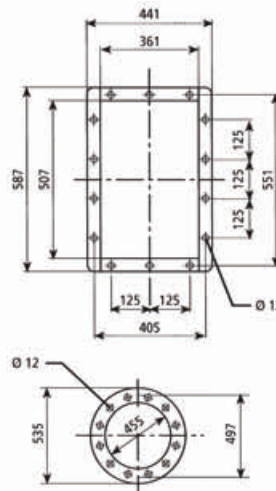
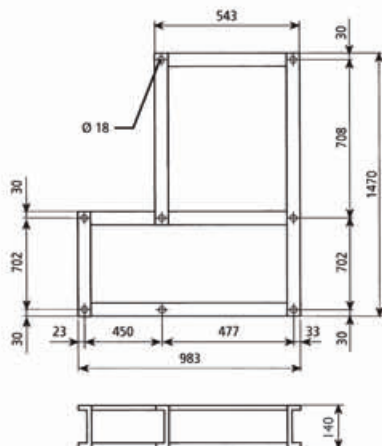
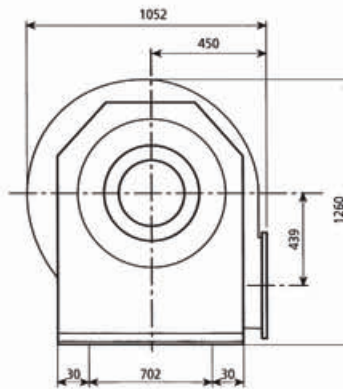
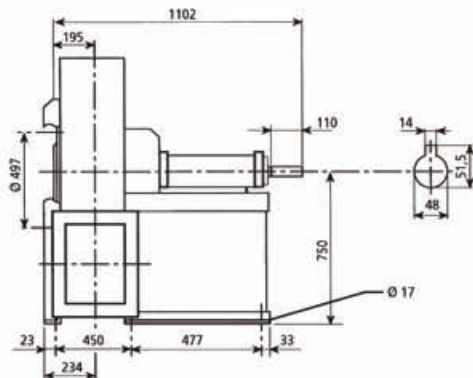
**Tolleranza sulla potenza assorbita ± 3%**  
 Absorbed power tolerance ± 3%





# TRM 630

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



Il ventilatore è orientabile  
 The fan is revolvable

**Peso ventilatore in kgf 210**  
 Weight of ventilator in kgf 210

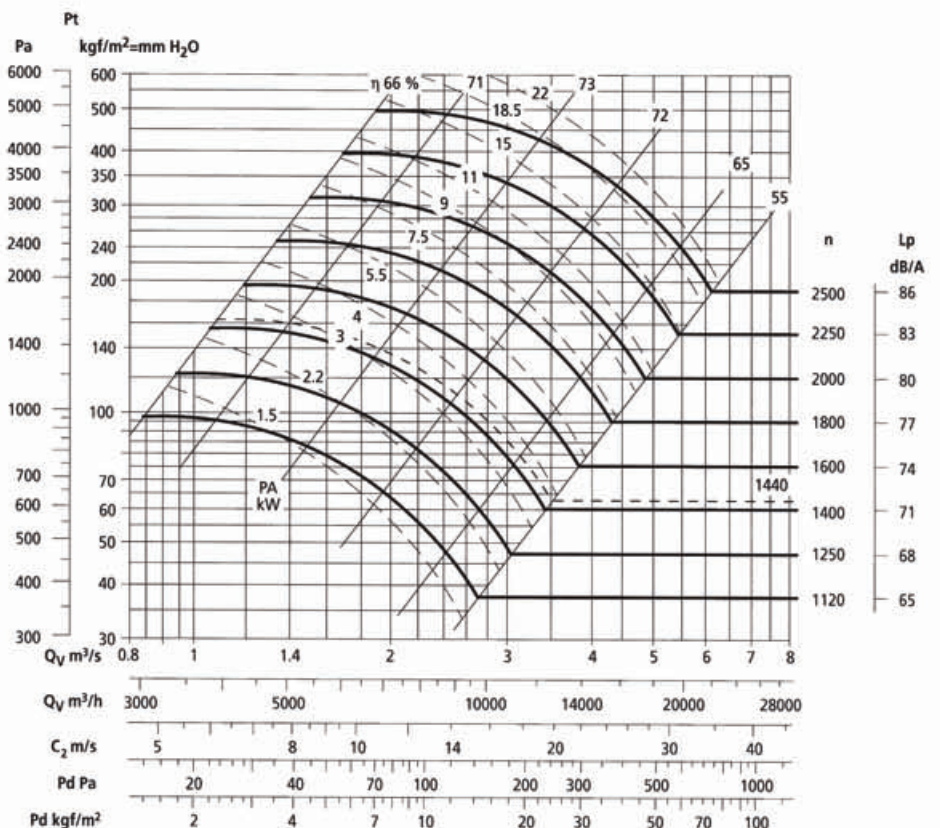
**PD<sup>2</sup> = 6,7 kgf m<sup>2</sup>**  
**GD<sup>2</sup> = 6,7 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
 Maximum rotation speed

<100°C = 2250  
 100÷200°C = 2000  
 200÷300°C = 1800

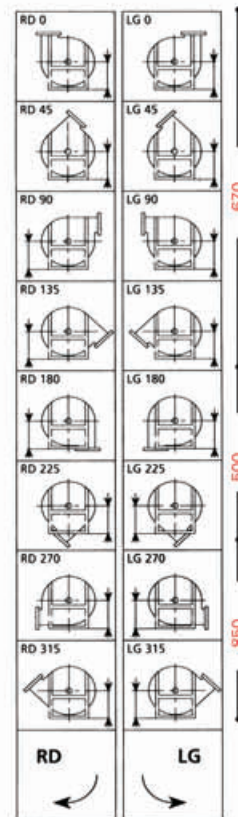
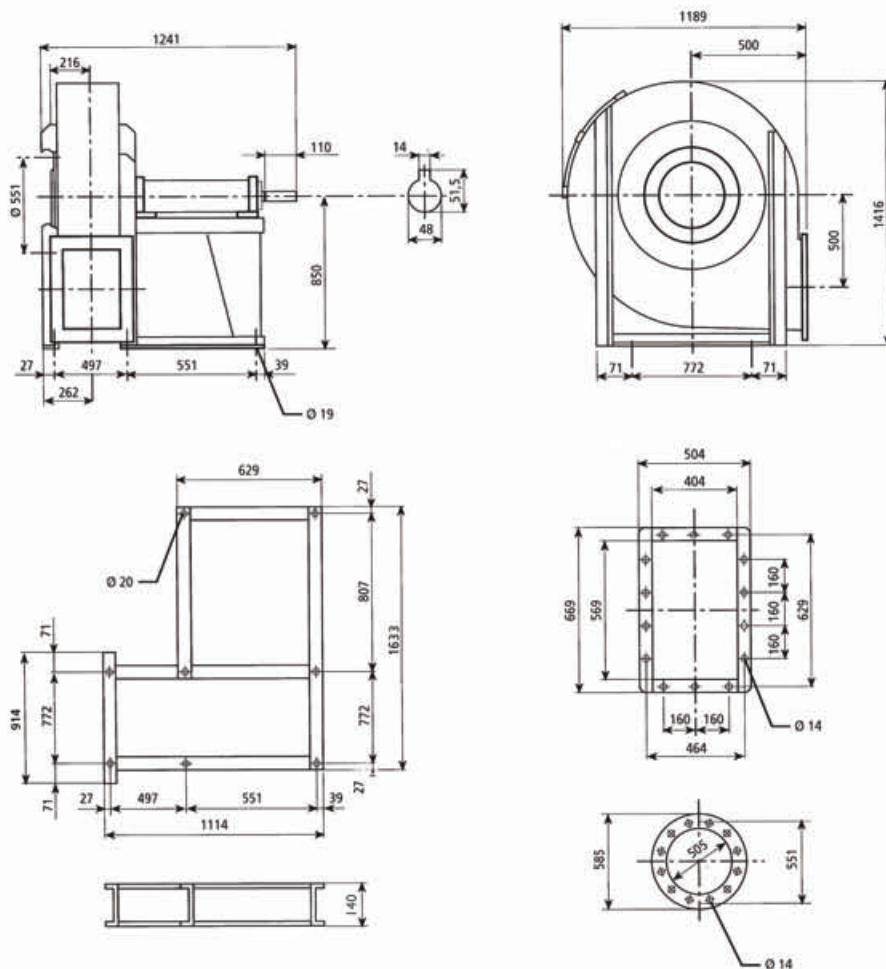
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 710

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



Il ventilatore è orientabile  
 The fan is revolvable

**Peso ventilatore in kgf 290**  
 Weight of ventilator in kgf 290

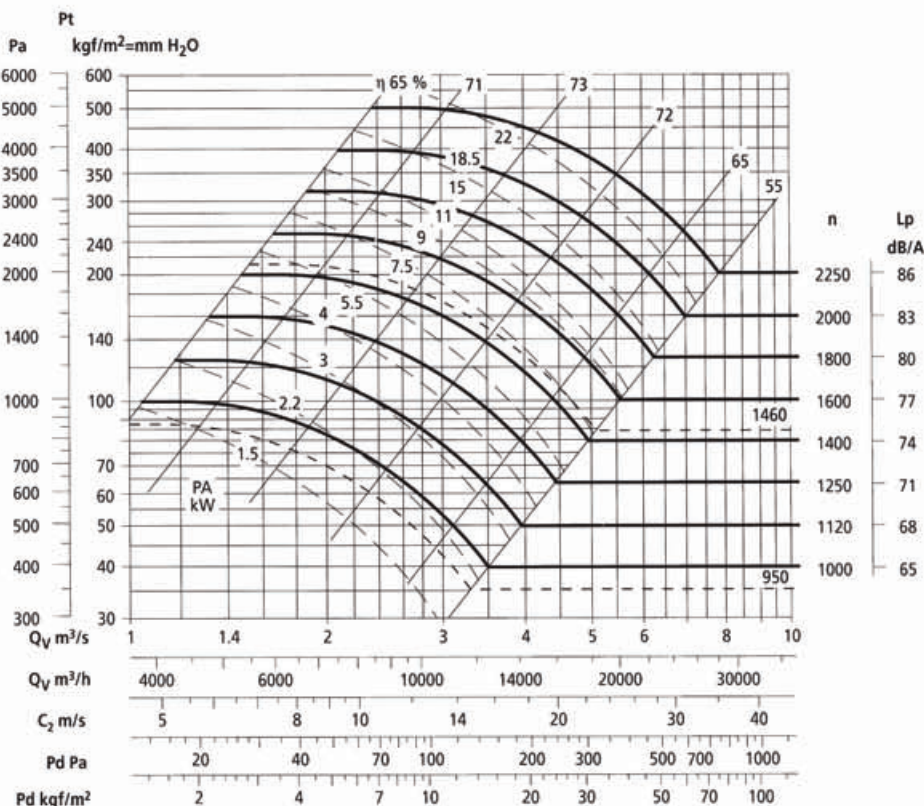
**PD<sup>2</sup> = 12 kgf m<sup>2</sup>**  
 GD<sup>2</sup>

**Massima velocità di rotazione**  
 Maximum rotation speed

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

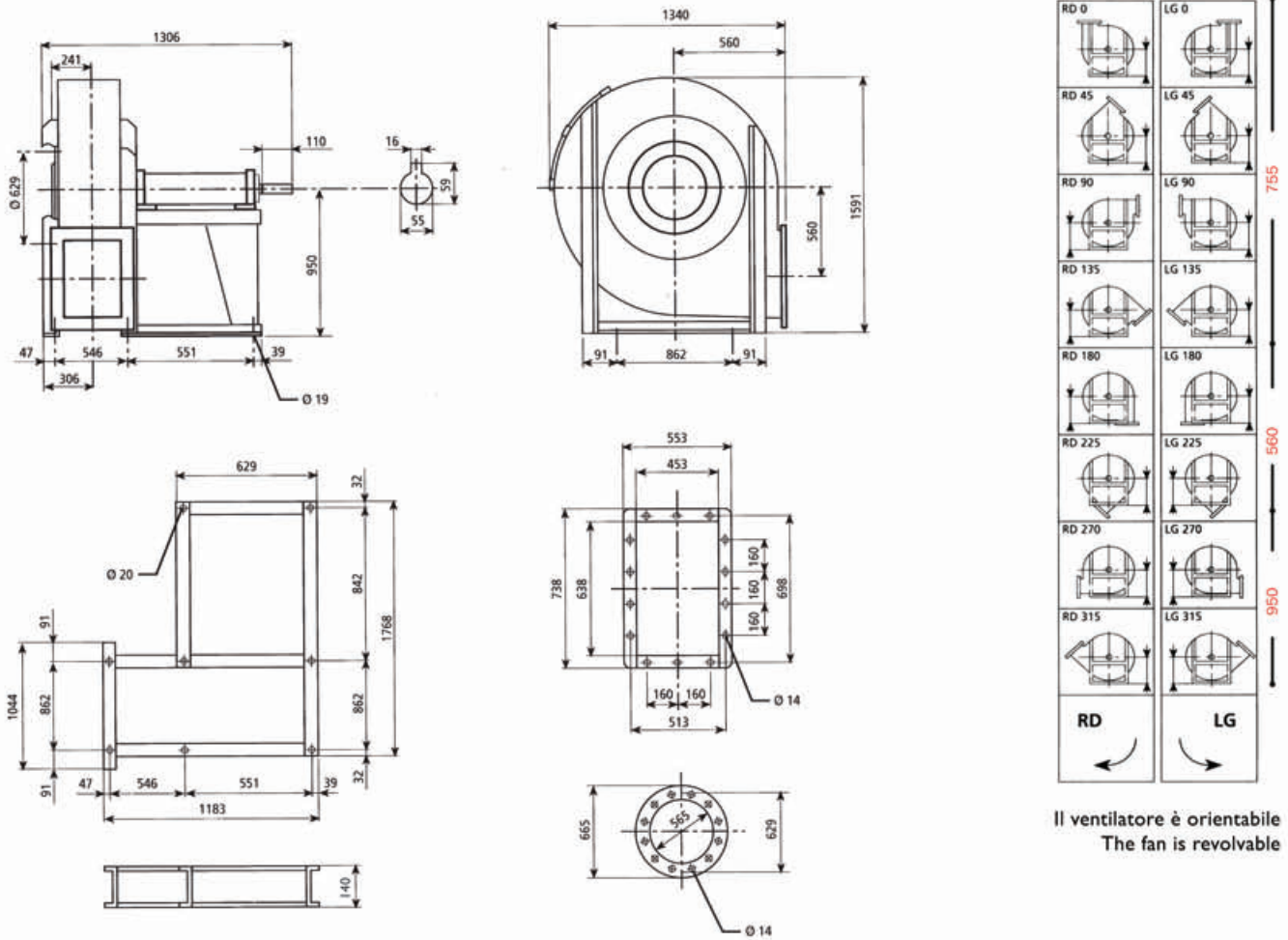
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 800

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



Il ventilatore è orientabile  
 The fan is revolvable

**Peso ventilatore in kgf 340**  
 Weight of ventilator in kgf 340

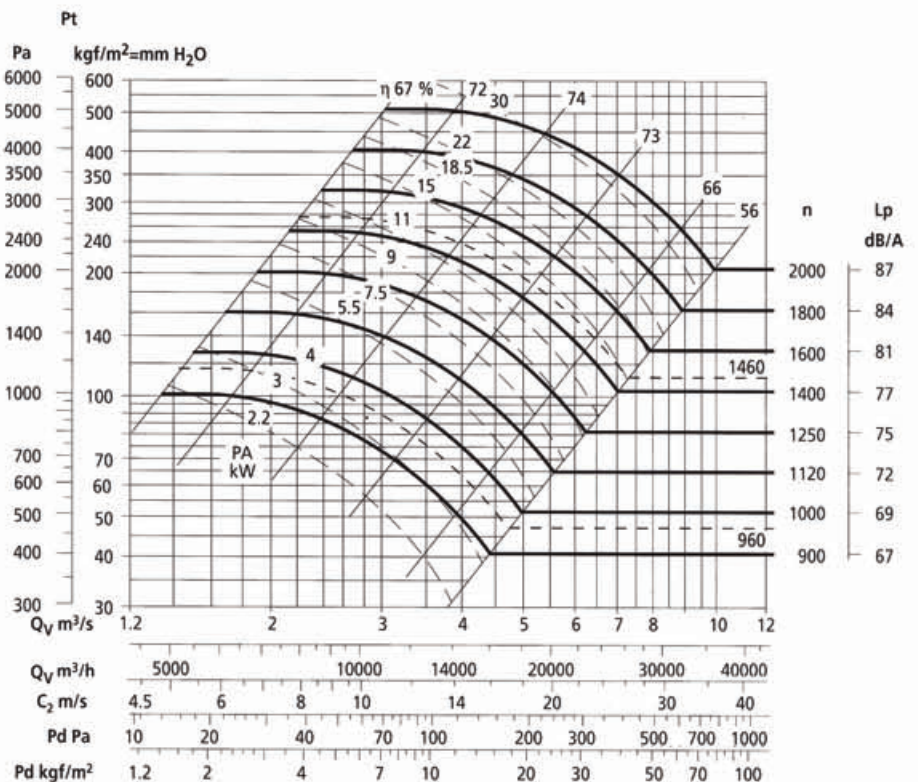
**PD<sup>2</sup> = 19 kgf m<sup>2</sup>**  
**GD<sup>2</sup> = 19 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
 Maximum rotation speed

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

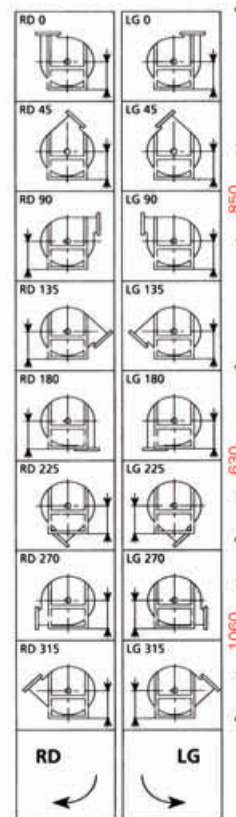
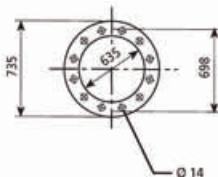
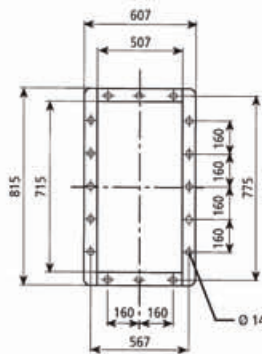
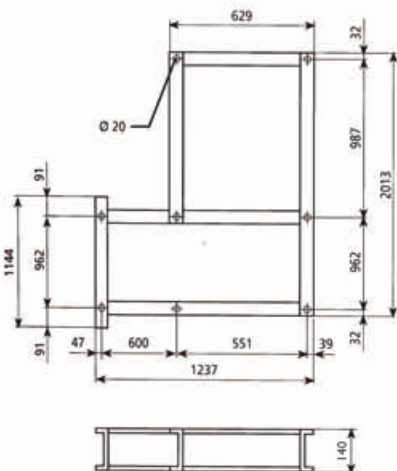
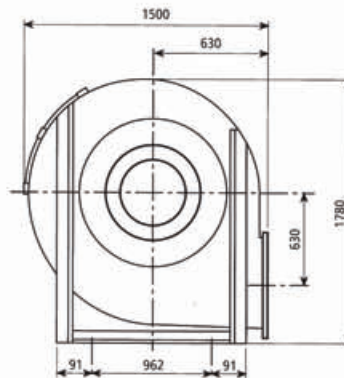
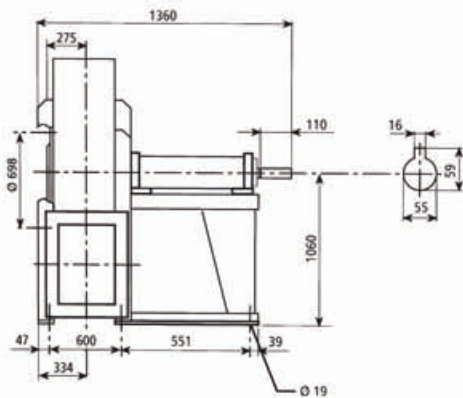
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 900

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



Il ventilatore è orientabile  
 The fan is revolvable

**Peso ventilatore in kgf 410**  
 Weight of ventilator in kgf 410

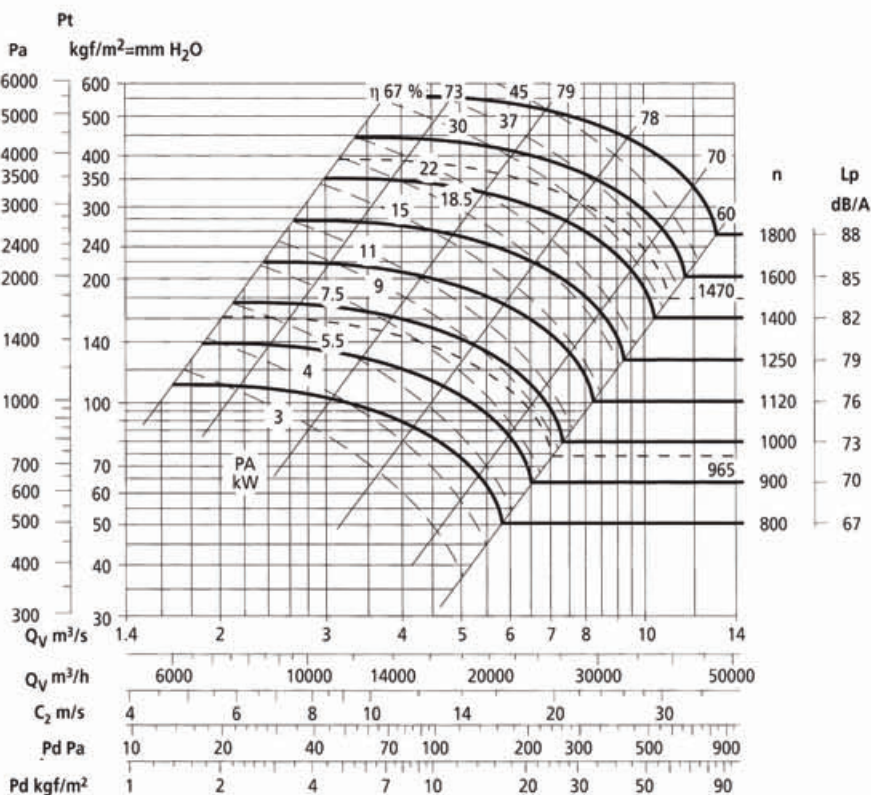
**PD<sup>3</sup> = 34 kgf m<sup>2</sup>**  
**GD<sup>2</sup> = 34 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
 Maximum rotation speed

<100°C = 1600  
 100÷200°C = 1400  
 200÷300°C = 1250

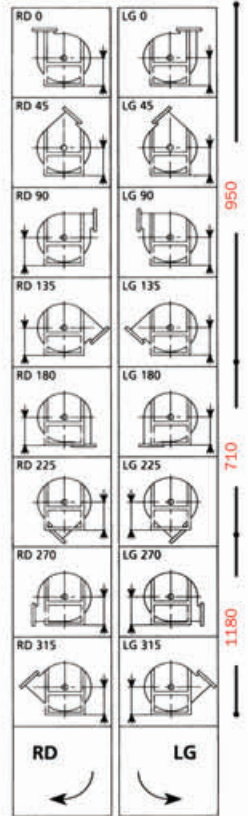
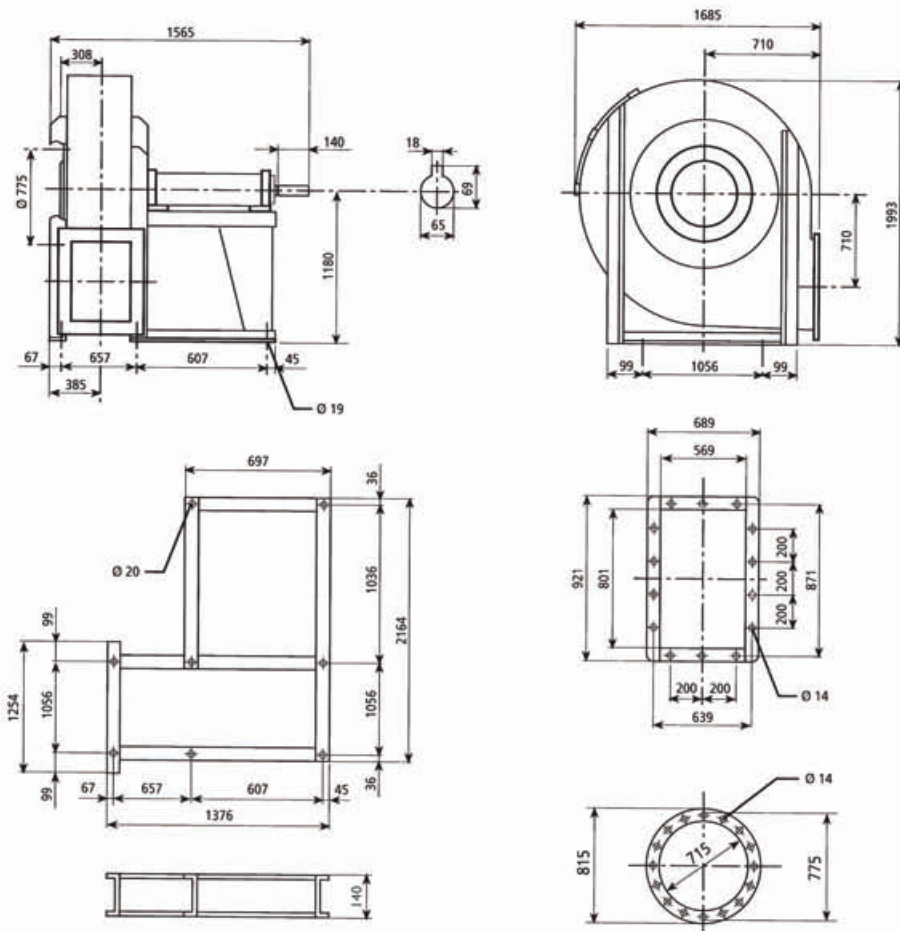
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 1000

DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO  
 DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT  
 OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES  
 AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN  
 DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO



Il ventilatore **NON** è orientabile  
 The fan is **NOT** revolvable

**Peso ventilatore in kgf 530**  
 Weight of ventilator in kgf 530

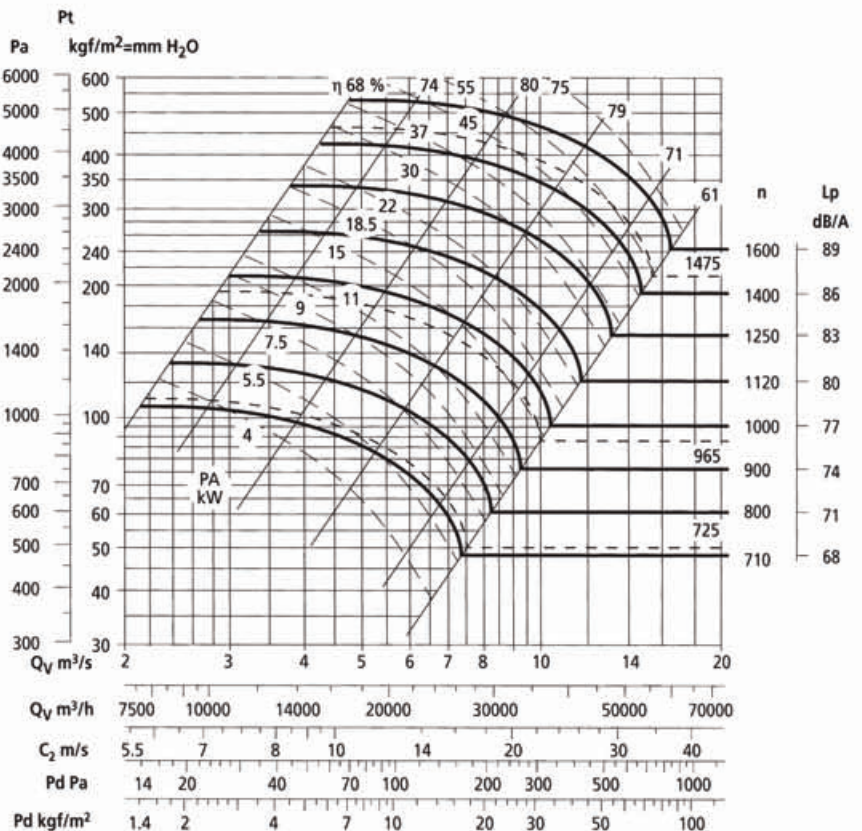
**PD<sup>2</sup> = 53 kgf m<sup>2</sup>**  
**GD<sup>2</sup> = 53 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
 Maximum rotation speed

<100°C = 1400  
 100÷200°C = 1250  
 200÷300°C = 1120

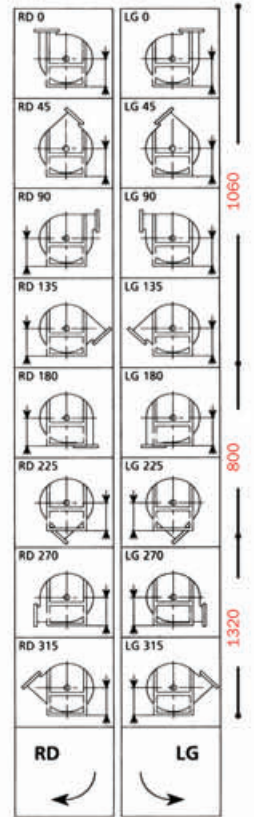
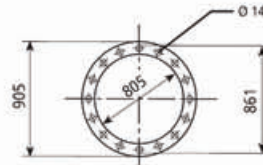
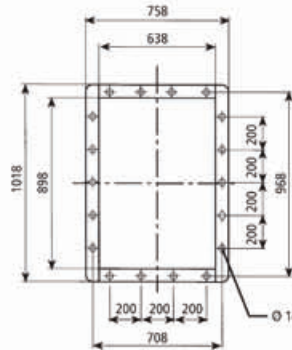
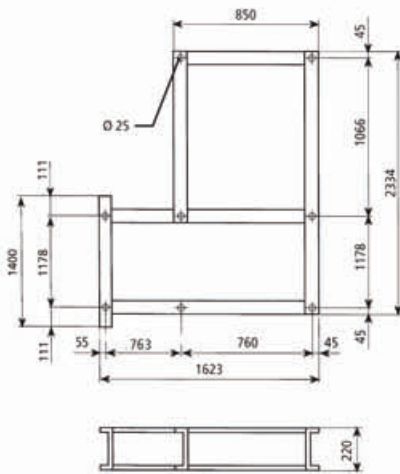
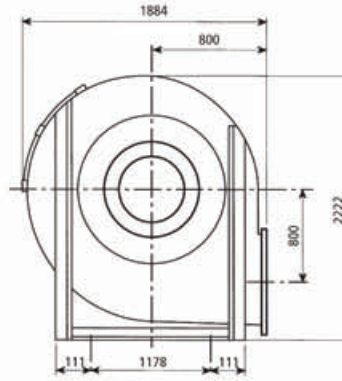
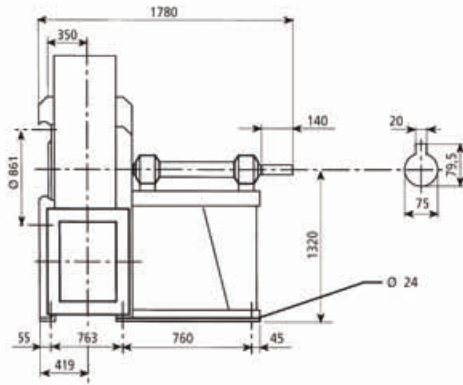
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 1120

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMIENTO**



Il ventilatore **NON** è orientabile  
 The fan is **NOT** revolvable

**Peso ventilatore in kgf 860**  
 Weight of ventilator in kgf 860

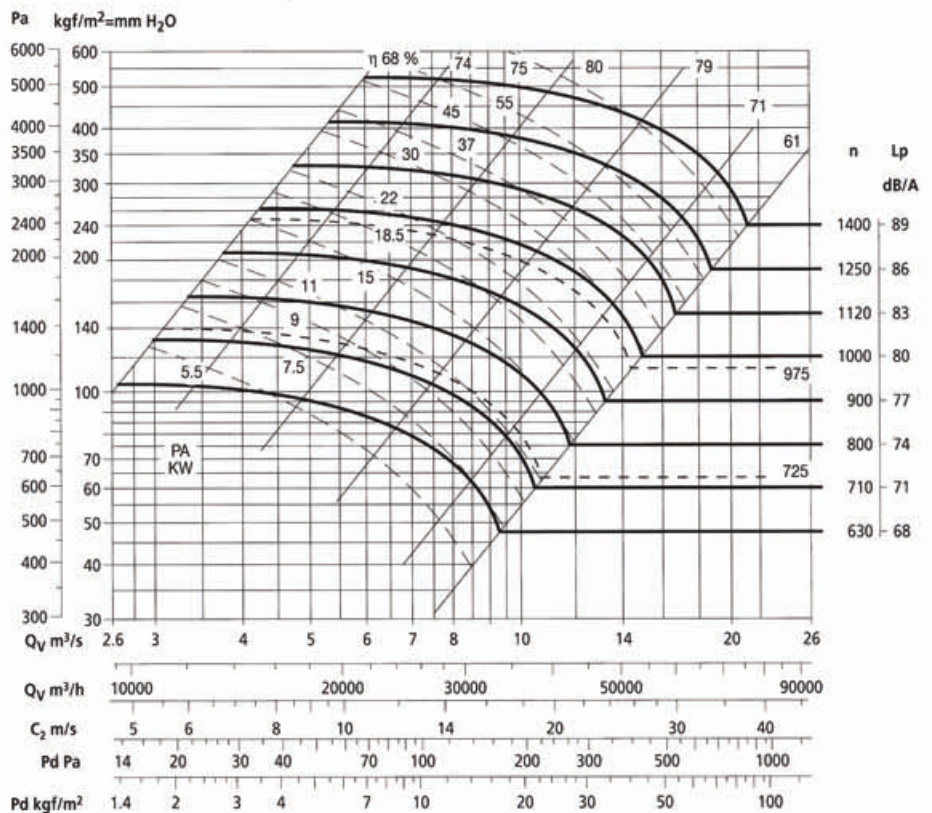
**PD<sup>2</sup> = 118 kgf m<sup>2</sup>**  
**GD<sup>2</sup> = 118 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
 Maximum rotation speed

<100°C = 1250  
 100÷200°C = 1120  
 200÷300°C = 1000

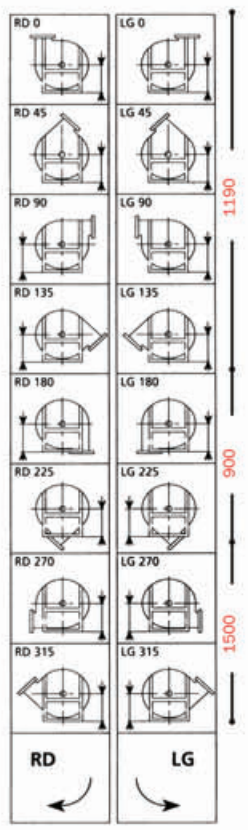
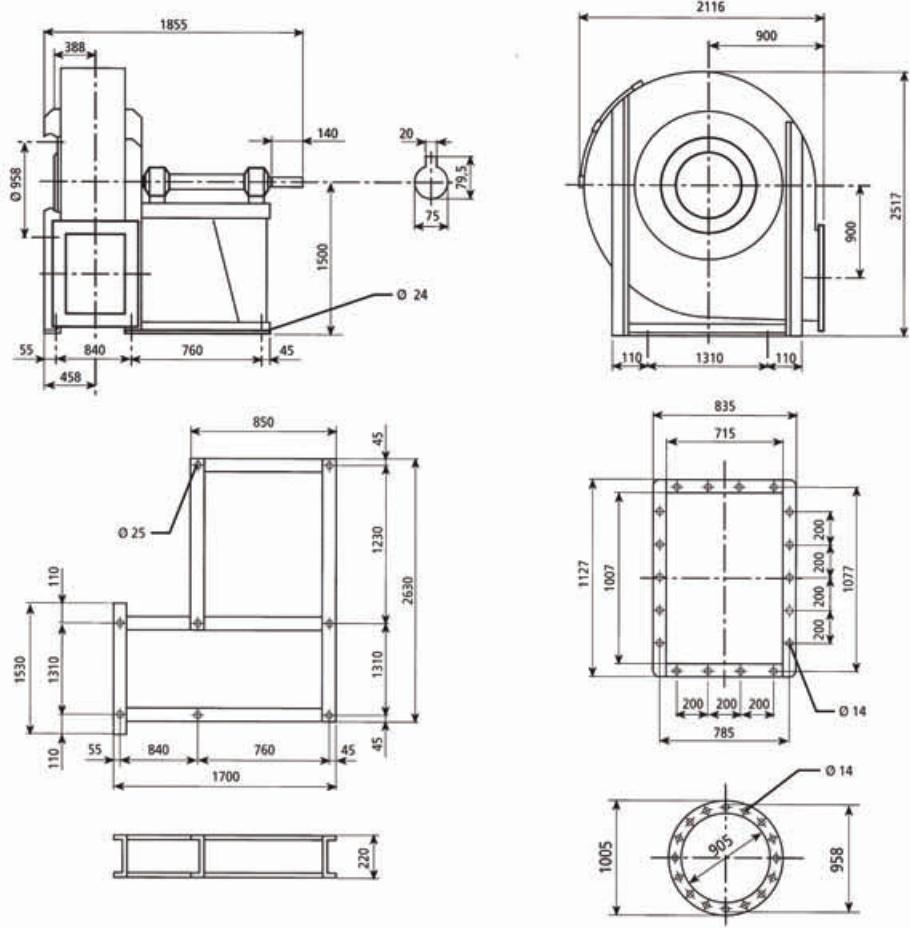
**Tolleranza sulla rumorosità + 3 dB(A)**  
 Noise tolerance + 3 dB(A)

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



# TRM 1250

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



**Il ventilatore NON è orientabile**  
**The fan is NOT revolvable**

**Peso ventilatore in kgf 1095**  
*Weight of ventilator in kgf 1095*

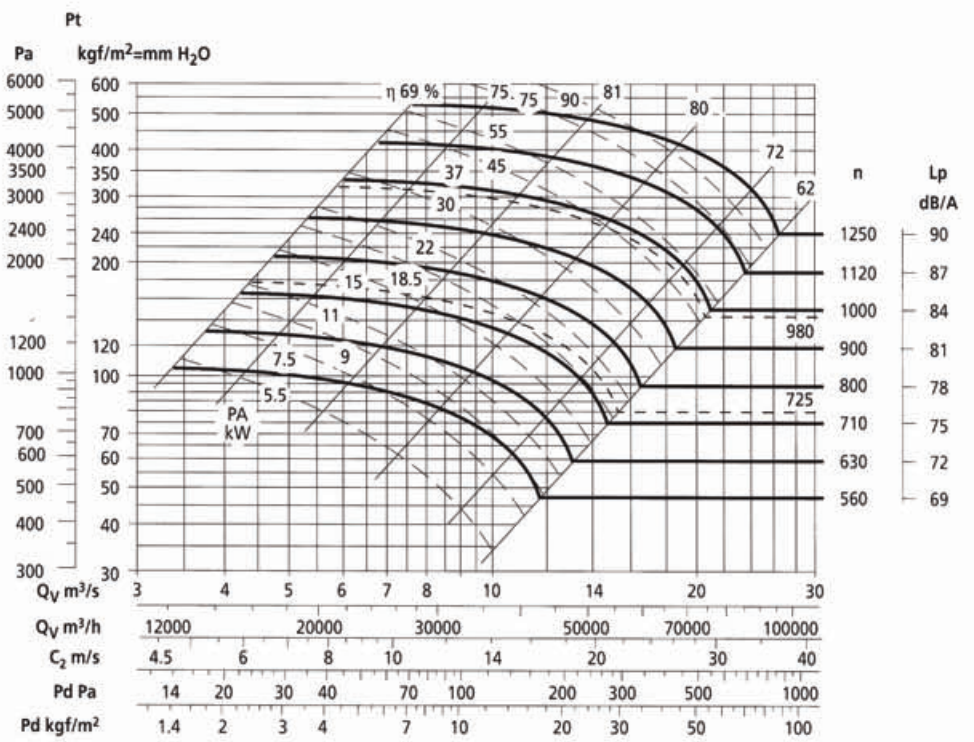
**PD<sup>2</sup> = 190 kgf m<sup>2</sup>**  
**GD<sup>2</sup> = 190 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
*Maximum rotation speed*

- <100°C = 1120
- 100÷200°C = 1000
- 200÷300°C = 900

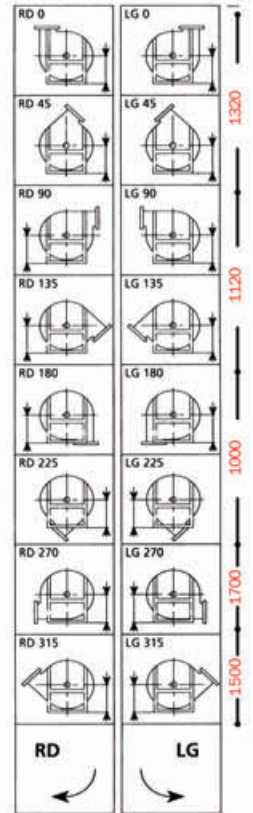
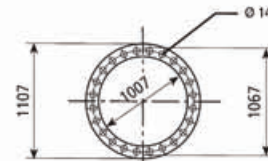
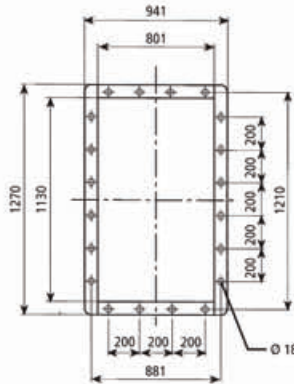
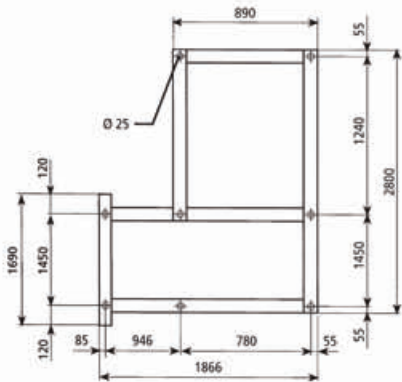
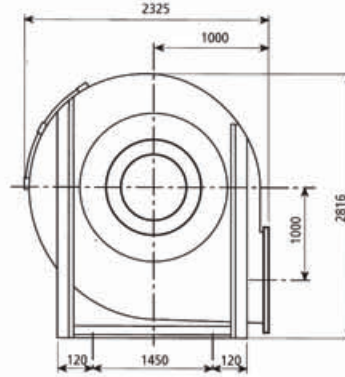
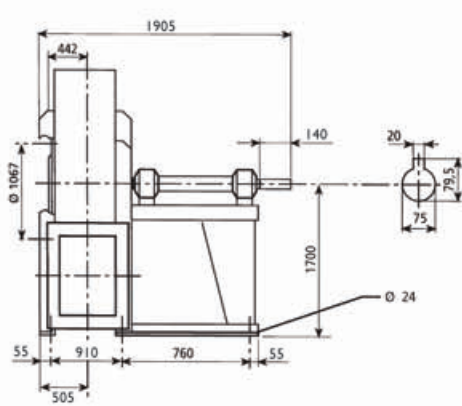
**Tolleranza sulla rumorosità + 3 dB(A)**  
*Noise tolerance + 3 dB(A)*

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



# TRM 1400

**DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO**  
**DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT**  
**OVERALL DIMENSIONS AND WEIGHT / WORKING CURVES**  
**AUSMAßE UN GEWICHTE / FUNKTIONSKURVEN**  
**DIMENSIONES QUE OCUPA Y PESOS / CURVAS DE FUNCIONAMENTO**



**Il ventilatore NON è orientabile**  
**The fan is NOT revolvable**

**Peso ventilatore in kgf 1510**  
*Weight of ventilator in kgf 1510*

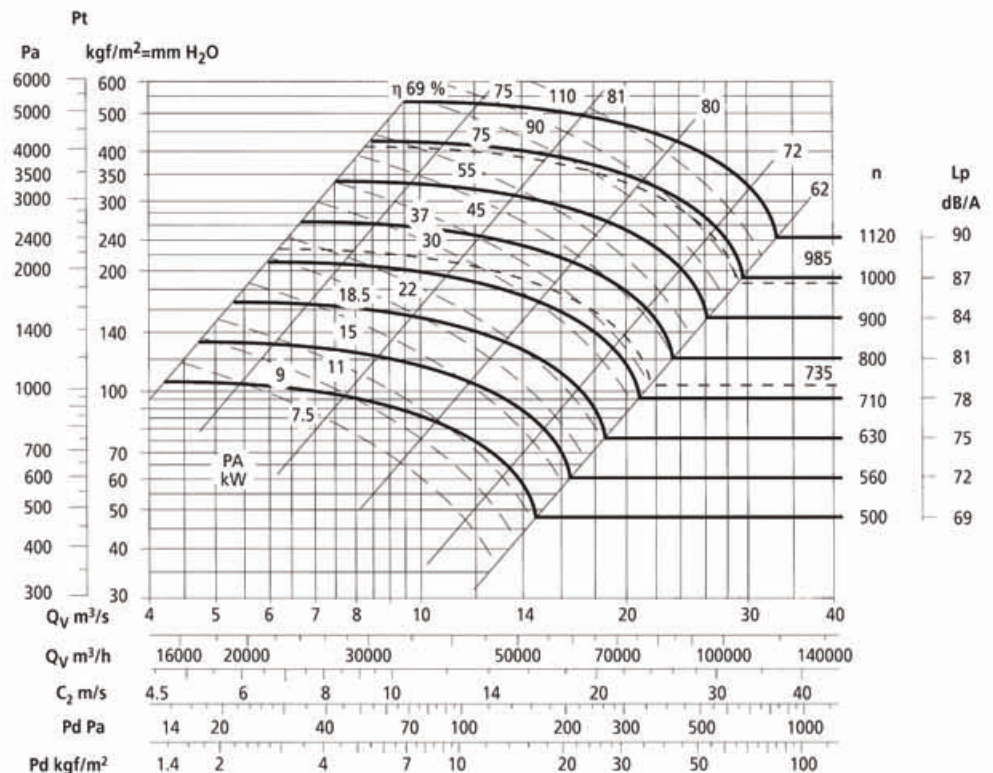
**PD<sup>2</sup> = 315 kgf m<sup>2</sup>**  
**GD<sup>2</sup> = 315 kgf m<sup>2</sup>**

**Massima velocità di rotazione**  
*Maximum rotation speed*

<100°C = 1000  
 100÷200°C = 900  
 200÷300°C = 800

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

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





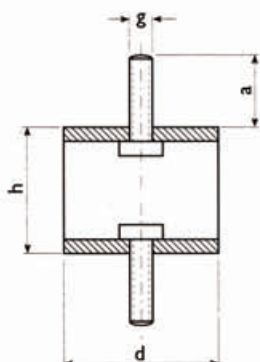
**SUPPORTI ANTIVIBRANTI** - Si montano sotto ai piedi di sostegno dei ventilatori per evitare la trasmissione di vibrazioni alle strutture di supporto.

**SUPPORTS ANTI-VIBRATION** - On les monte sous les pieds soutenant le ventilateur afin d'éviter la propagation des vibrations dans les structures de support.

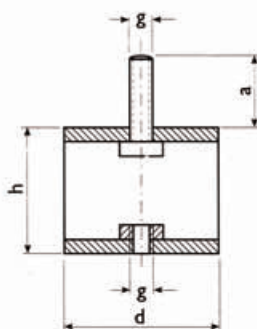
**VIBRATION-DAMPING SUPPORTS** - Fitted on fan support stand to prevent vibration being transmitted to support structure.

**ANTIVIBRATIONSTRÄGER** - Sie können unter die Stützfüße des Vibrators montiert werden, um die Übertragung von Vibrationen an die Trägerstruktur zu verhindern.

**APOYOS ANTIVIBRACION** - Se montan en los pies de apoyo de los ventiladores para evitar la transmisión de vibraciones a las estructuras.



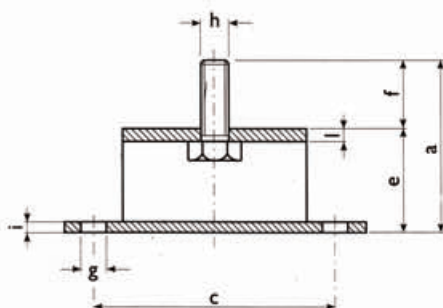
AV 1



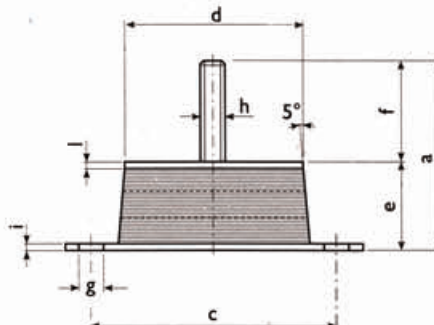
AV 2

Tipo Type Type Typ Tipo	d	h	g	a	Carico max Kg / Charge max. kg Max. load kg / Höchstlast kg Carga máx. kg	
					Comp. Compr. Kompr. Compr.	Taglio Force transversale Lateral force Querkraft Fuerza transversal
AV 1-25	25	30	6 MA	18	40	4
AV 1-40	40	30	8 MA	23	120	16
AV 2-25	25	30	6 MA	18	40	4
AV 2-40	40	30	8 MA	23	120	16

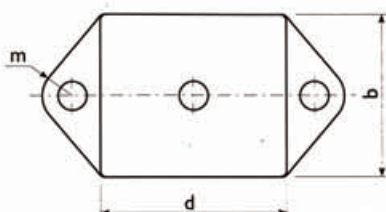
Tipo Type Type Typ Tipo	a	b	c	d	e	f	g	h	i	l	m	Carico max a comp. Kg Charge max à compr. kg Compr. max. load kg Kompr. Höchstlast kg Carga máx. a compr. kg
AV 100	83	75	105	80	53	30	10,5	M12	5	5	12,5	650
AV 101	86	60	85	50	46	40	12,2	M12	3	3	-	500



AV 100



AV 101



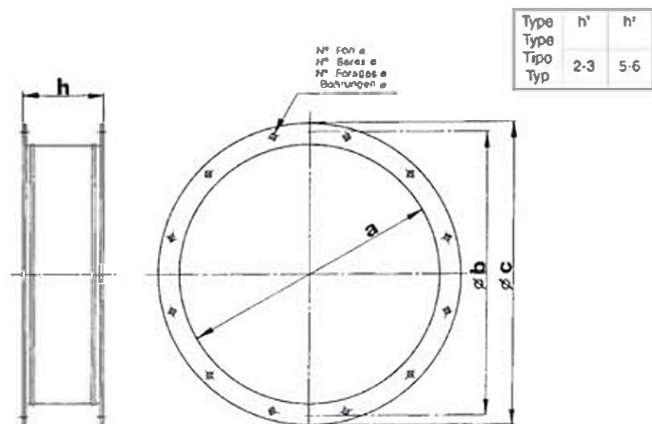
**GIUNTI ANTIVIBRANTI ASPIRANTI**  
**FLEXIBLE CONNECTION INLET SIDE**  
**MANCHETTE SOUPLE COTE ASPIRATION**  
**ELASTISCHE MANSCHETTE SAUGSEITIG**

MANCHETTES SOUPLES: les manchettes sont utilisées pour éviter la transmission du bruit et des vibrations aux canalisations.

GIUNTI ANTIVIBRANTI: Vengono interposti tra le flange del ventilatore e delle tubazioni evitando così la trasmissione di vibrazioni e rumori alle canalizzazioni.

VIBRATION - DAMPING COUPLINGS: the vibration-damping couplings are used to avoid the transmission of noise and vibrations to canalization systems.

ELASTISCHE MANSCHETTEN: Sie verhindern die Übertragung von mechanischen Schwingung und von Körperschall.



Type Tipo Typ	a	b	c	ø	N°	h	Poids Peso Weight Gewicht Kgf
GA 180	185	219	252	8	8	160	2
GA 200	205	241	274	8	8	160	2.2
GA 224	228	265	298	8	8	160	2.5
GA 250	255	292	324	10	8	160	2.8
GA 280	287	332	365	10	8	160	3
GA 315	320	366	400	10	8	160	4.5
GA 355	360	405	440	10	8	160	5.5
GA 400	405	448	485	10	12	160	6
GA 450	455	497	535	10	12	160	6.5
GA 500	505	551	585	10	12	160	9.5
GA 560	565	629	666	10	12	160	10
GA 630	635	698	736	10	12	160	11
GA 710	715	775	816	12	16	160	12.5
GA 800	805	861	906	12	16	160	17
GA 900	905	958	1006	12	16	160	19
GA 1000	1007	1067	1107	12	24	160	27

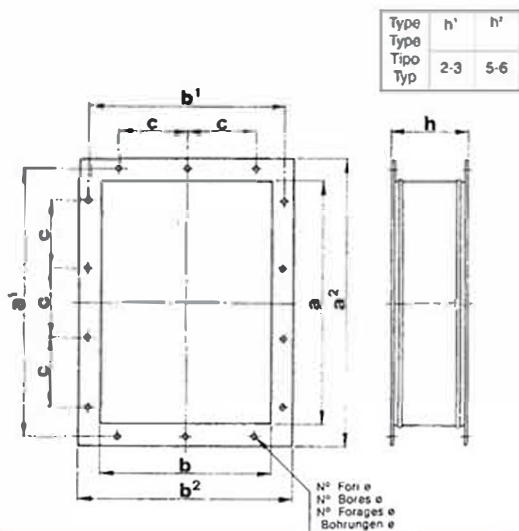
**GIUNTI ANTIVIBRANTI PREMENTI**  
**FLEXIBLE CONNECTION OUTLET SIDE**  
**MANCHETTE SOUPLE COTE DE REFOULE MENT**  
**ELASTISCHE MANSCHETTE DRUCKSEITIG**

MANCHETTES SOUPLES: les manchettes sont utilisées pour éviter la transmission du bruit et des vibrations aux canalisations.

GIUNTI ANTIVIBRANTI: Vengono interposti tra le flange del ventilatore e delle tubazioni evitando così la trasmissione di vibrazioni e rumori alle canalizzazioni.

VIBRATION - DAMPING COUPLINGS: the vibration-damping couplings are used to avoid the transmission of noise and vibrations to canalization systems.

ELASTISCHE MANSCHETTEN: Sie verhindern die Übertragung von mechanischen Schwingung und von Körperschall.



Type Tipo Typ	a	b	a¹	b¹	a²	b²	c	ø	N°	h	Poids Peso Weight Gewicht Kgf
GP 200X140	207	148	241	182	275	216	112	12	4+4	160	1.3
GP 224X160	231	166	265	200	299	234	112	12	4+4	160	1.7
GP 250X180	258	185	292	219	326	253	112	12	6+4	160	4.8
GP 288X200	288	205	332	249	368	285	125	12	6+4	160	5.4
GP 315X224	322	229	366	273	402	309	125	12	6+4	160	6
GP 355X250	361	256	405	300	441	336	125	12	6+4	160	8
GP 400X280	404	288	448	332	484	368	125	12	8+6	160	8.5
GP 450X315	453	322	497	366	533	402	125	12	8+6	160	9.5
GP 500X355	507	361	551	405	587	441	125	12	8+6	160	11
GP 560X400	569	404	629	464	669	504	160	14	8+6	160	12.5
GP 630X400	638	453	698	513	738	553	160	14	8+6	160	14.5
GP 710X500	715	507	775	567	815	607	160	14	10+6	160	17
GP 800X560	801	569	871	639	921	689	200	14	8+6	160	23
GP 900X630	898	638	968	708	1018	758	200	14	10+8	160	24
GP 1000X710	1007	715	1077	785	1127	835	200	14	10+8	160	25
GP 1120X800	1130	801	1210	881	1270	941	200	18	12+8	160	31