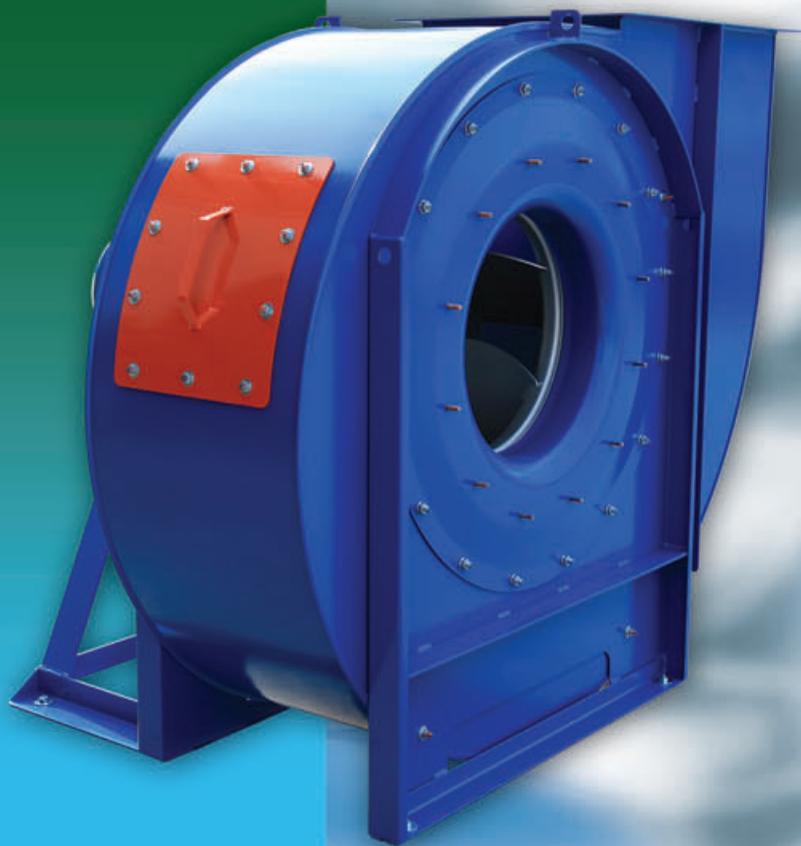


mod.
TRM



Edizione 2012



TRA-BO
VENTILATORI

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

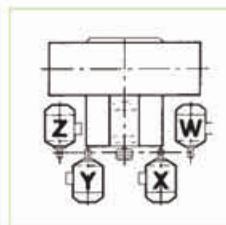
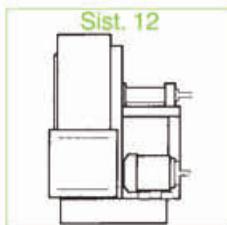
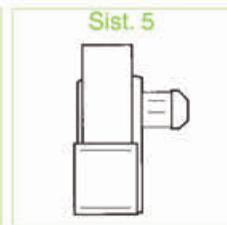
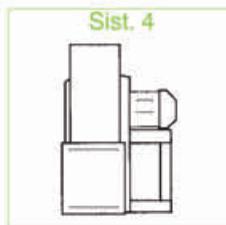
Analoga alla esecuzione 1, con il motore sostenuto sul fianco della sedia. Limiti di temperatura come per esecuzione 1.

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 Kühlfügel: 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 Kühlfügel: 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.

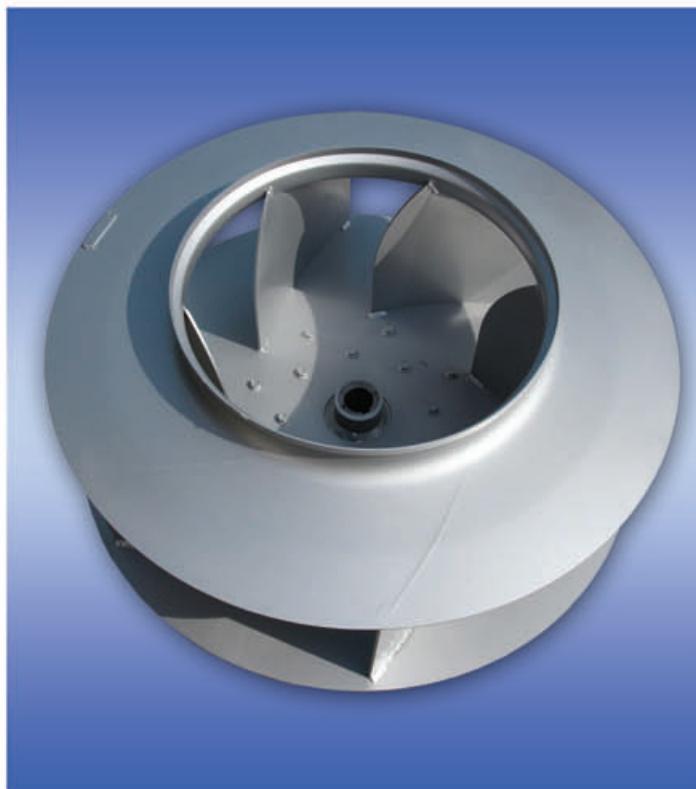
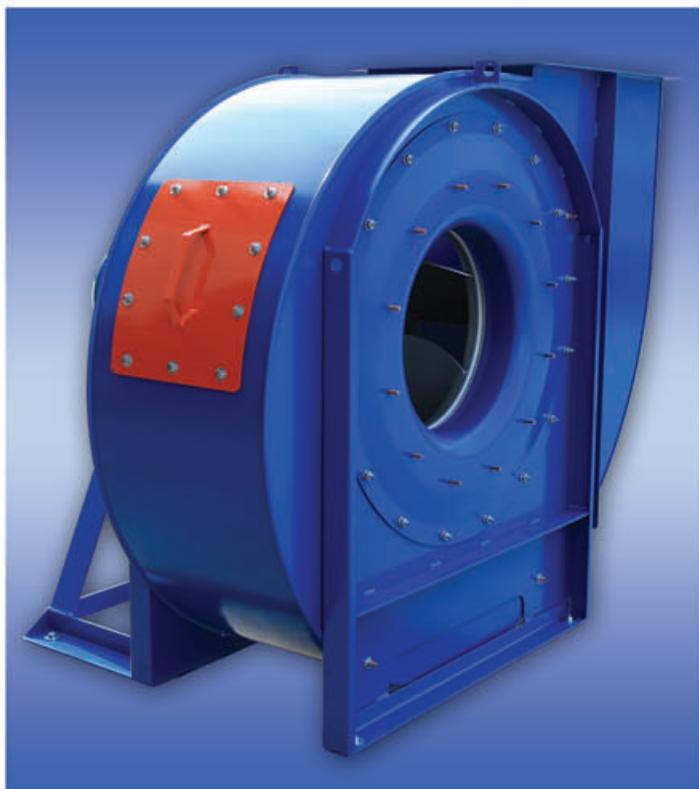
Ejecucion 9

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
Support type Supporto tipo Type palier double 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 Supporto 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**

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

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

Ventilatore ad alto rendimento:	Mod. TRM.
Campo di lavoro:	portate elevate, pressioni medie.
Tipo di pale:	rovesce.
Applicazioni:	aspirazione e trasporto di aria anche molto polverosa, segatura, trucioli vari, materiali granulari, ad esclusione dei materiali filamentosi.
Temperature 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 °C, p = 760 mm Hg.
Rumorosità:	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.
Orientamenti:	i ventilatori serie TRM ammettono 16 posizioni di orientamento (8 orarie RD e 8 antiorarie LG) definite guardando il ventilatore dal lato trasmissione.
Costruzioni speciali:	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.

High efficiency fan:	Mod. TRM.
Field of application:	high capacities, medium pressures.
Type of blades:	backward.
Applications:	suction and transport of air, sawdust, woodchips, granulated materials with the exclusion of fibrous materials.
Air temperature:	up to 60 °C standard, special features for higher temperatures.
Construction specifications:	rigid construction in enamelled sheet metal. Steel blower statically and dynamically balanced.
Working principles:	condition of the ducted air T = 15 °C, p = 760 mm Hg.
Noise level:	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.
Fan handing:	the fans mod. RM have 16 handings (8 clockwise RD and 8 counterclockwise LG) viewing from the drive side.

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.
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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

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 contrarioalreloj), 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 ruego 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

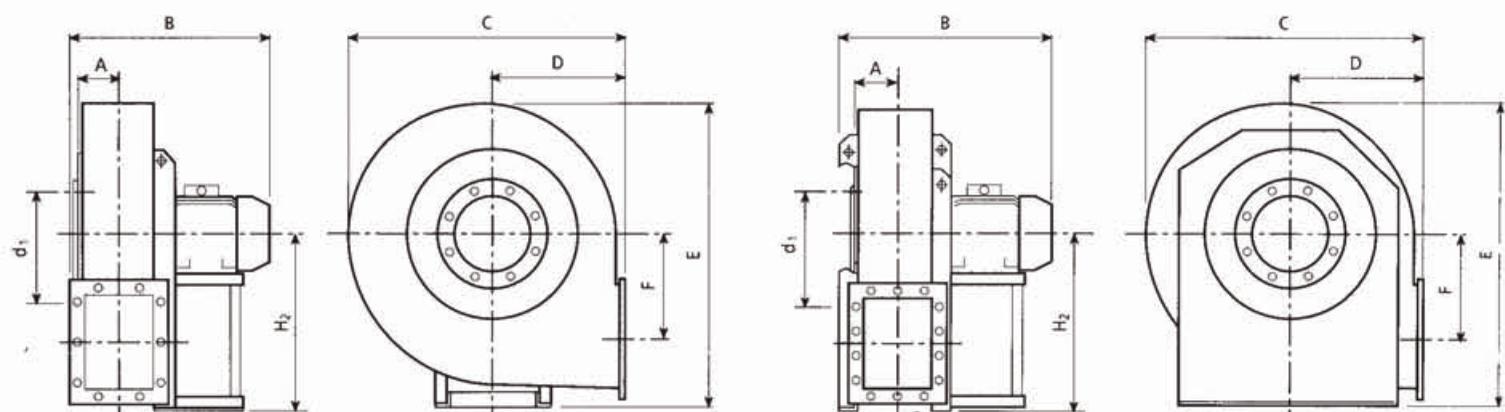
4) Accesorios diversos

5) Para los motores eléctricos debe indicarse:

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

Type / Tipo / Typ / Tipo		Poids Peso Weight Gewicht Peso	PD ² GD ²	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 ²	A	B *	C	D	E	F	G	H	H ₁	H ₂	d	d ₁	d ₂	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	420 440	477	200	610	202	86	375	200	375	205	241	275	8	12	231
TRM 310/2	80 B2	41	0,19	105	460 480	527	225	658	229	96	400	225	400	228	265	298	8	12	258
TRM 350/2	90 S2	66	0,43	115	500 530	600	255	740	253	107	450	255	450	255	292	325	8	12	288
TRM 400/2	100 LA2	107	0,70	127	590 630	655	285	815	286	118	500	285	500	285	332	365	8	12	322
TRM 450/2	132 SA2	150	1,2	141	670 670	735	320	915	321	131	560	320	560	320	366	400	8	12	361
TRM 500/2	160 MR2	235	2,3		830														
TRM 500/2	160 M2	247	2,6		830														
TRM 500/4	90 S4	132	2,1	157	580	832	360	1000	355	148	600	360	600	360	405	440	8	12	404
TRM 500/4	90 L4	135	2,2		615														
TRM 560/2	160 L2	286	3,4		880														
TRM 560/2	180 M2	316	3,8		935														
TRM 560/4	100 LA4	140	3,2	177	705	940	400	1126	390	165	670	400	670	405	448	485	12	12	453
TRM 560/4	100 LB4	144	3,3		705														
TRM 630/4	112 M4	178	5,6	195	775	1052	450	1260	439	185	750	450	750	455	497	535	12	12	507
TRM 630/4	132 SA4	191	6,3		815														
TRM 710/4	132 MA4	285	10,6	216	880	1189	500	1416	500	202	670	500	850	505	551	585	12	13	569
TRM 710/4	160 M4	308	11,8		960														
TRM 800/4	160 L4	400	17		1010														
TRM 800/4	180 M4	430	19	241	1050	1340	560	1591	560	226	755	560	950	565	629	665	12	13	638
TRM 800/6	132 MA6	330	16		940														
TRM 800/6	132 MB6	340	18		940														
TRM 900/4	200 L4	580	30		1230														
TRM 900/4	225 S4	620	34	275	1260	1500	630	1780	630	253	850	630	1060	635	698	735	12	13	715
TRM 900/6	160 M6	465	29		1070														
TRM 900/6	160 L6	495	33		1070														
TRM 1000/4	225 M4	760	48		1320														
TRM 1000/4	250 M4	830	53	308	1380	1685	710	1993	710	284	950	710	1180	715	775	815	16	15	801
TRM 1000/6	180 L6	652	47		1230														
TRM 1000/6	200 LR6	679	52		1300														
TRM 1120/4	280 S4	1220	106		1620														
TRM 1120/4	280 M4	1257	118	350	1620	1884	800	2222	800	319	1080	800	1320	805	861	905	16	15	898
TRM 1120/6	200 L6	995	114		1390														
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)

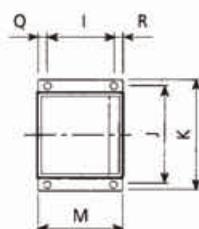


N.B.: Pour des raisons constructives les ventilateurs 400+630 sont orientés à un angle de 30° et non de 45°. En cas où 45° sont nécessaires pour l'installation, il suffit de le préciser lors de la commande

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

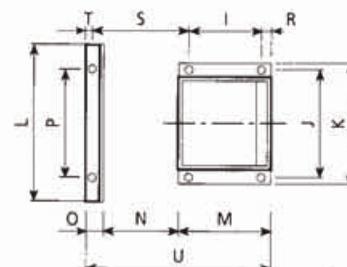
250 + 500

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



560 + 1000

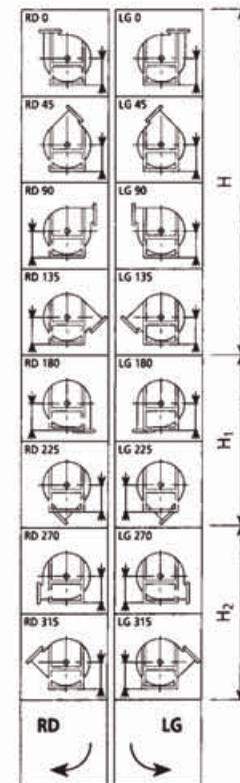
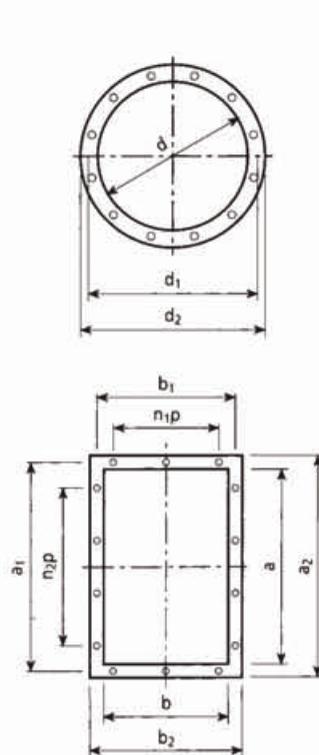
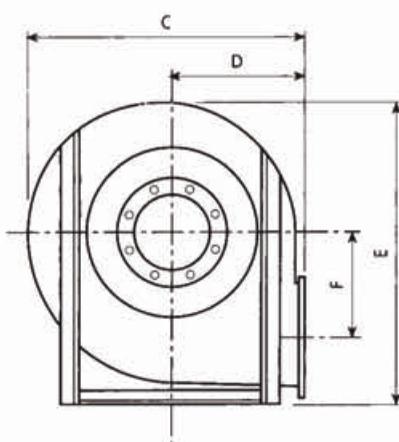
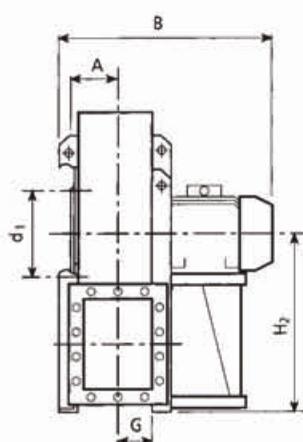
Le ventilateur est orientable
 Il ventilatore è orientabile
 The fan is revolvable
 Der Ventilator ist orientable
 El ventilador es orientable



Pour execution "haute temperature" cote B-I-M-V + 50 cm - Per esecuzione "alta temperatura" quote B-I-M-V + 50 cm

Bride en refoulement Flangia premente Outlet flange Flansch druckseitig Boca de impulsión									Châssis Basamento Base Soquel Basamento													
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
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	402 448 302 302	444 490 324 324	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

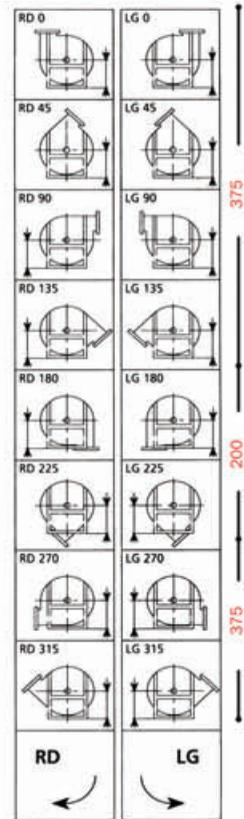
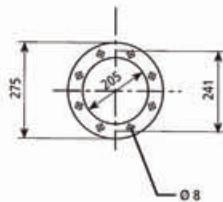
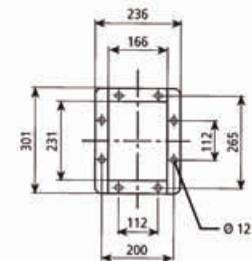
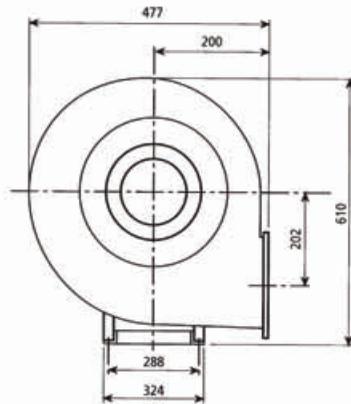
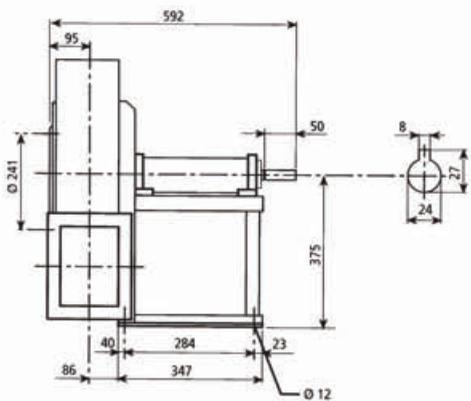


1120
Le ventilateur n'est pas orientable
Il ventilatore non è orientabile
The fan cannot be revolved
Ventilatorstellung kann nicht geändert werden
El ventilador no es orientable

CARATTERISTICHE IN MANDATA VENTILATORI SERIE "TRM"
 CARACTERISTIQUES EN SOUFFLAGE DES VENTILATEURS SERIE "TRM"
 DELIVERY CHARACTERISTICS OF "TRM"SERIE FANS
 LEISTUNGSMERKMALE DER VENTILATORENSERIE "TRM"
 CARACTERISTICAS EN EMPUJE VENTILADORES SERIE "TRM"

Type / Tipo / Typ / Tipo		Tolerance sur le debit $\pm 5\%$ Tolleranza sulla portata $\pm 5\%$ Load tolerance $\pm 5\%$																				Durchsatztoleranz $\pm 5\%$ Tolerancia respecto caudal $\pm 5\%$																			
Ventilateur Ventilatore Fan Ventilator Ventilator	Moteur Motore Motor Motor Motor	KW inst.	KW ass.	n	dB	360	400	435	470	540	615	680	750	830	930	1080	1190	1330	1500	1700	1900	2150	2400	2700																	
TRM 250/2	71 A2	0,37	0,33	2780	67				102	101	100	98	95	88	82	75	66	55																							
TRM 280/2	71 B2	0,55	0,45	2780	69							130	126	122	115	110	103	92	85	69	53																				
TRM 280/2	80 A2	0,75	0,60	2830	70								135	132	130	126	120	115	95	83	69																				
TRM 310/2	80 B2	1,1	0,85	2830	72											160	157	154	140	130	121	116	92	68																	
TRM 310/2	90 S2	1,5	1,1	2840	73										165	164	163	160	154	142	133	121	106	88																	
TRM 350/2	90 S2	1,5	1,48	2840	76												184	183	180	176	163	155	142																		
TRM 350/2	90 L2	2,2	2	2850	78												210	210	208	204	202	192	180																		
TRM 400/2	100 LA2	3	2,8	2900	80																242	240	238	232																	
TRM 400/2	112 M2	4	3,7	2900	81																277	275	273	270																	
TRM 450/2	132 SA2	5,5	5	2900	84																			315																	
TRM 450/2	132 SB2	7,5	6	2900	85																																				
TRM 500/2	160 MR2	11	9	2930	89																																				
TRM 500/2	160 M2	15	12	2930	89																																				
TRM 560/2	160 M2	15	14	2930	88																																				
TRM 560/2	160 L2	18,5	16	2930	89																																				
TRM 560/2	180 M2	22	19,5	2940	92																																				
TRM 500/4	90 S4	1,1	1	1400	68																89	88	86	83																	
TRM 500/4	90 L4	1,5	1,3	1400	69																102	101	100	97																	
TRM 560/4	100 LA4	2,2	1,8	1420	71																			114																	
TRM 560/4	100 LB4	3	2,4	1430	72																			130																	
TRM 630/4	112 M4	4	3,4	1425	75																																				
TRM 630/4	132 SA4	5,5	4,2	1440	78																																				
TRM 710/4	132 MA4	7,5	6,5	1450	79																																				
TRM 710/4	160 M4	11	8	1460	81																																				
TRM 800/4	160 M4	11	10,5	1460	80																																				
TRM 800/4	160 L4	15	12	1460	83																																				
TRM 800/4	180 M4	18,5	16	1470	84																																				
TRM 900/4	180 L4	22	21,5	1470	84																																				
TRM 900/4	200 L4	30	25	1470	86																																				
TRM 900/4	225 S4	37	30	1475	87																																				
TRM 1000/4	225 M4	45	43	1475	90																																				
TRM 1000/4	250 M4	55	51	1475	91																																				
TRM 1120/4	280 S4	75	74	1475	93																																				
TRM 1120/4	280 M4	90	89	1480	94																																				
TRM 800/6	132 MA6	4	3,4	960	73																																				
TRM 800/6	132 MB6	5,5	4,2	960	74																																				
TRM 900/6	160 M6	7,5	7,1	965	76																																				
TRM 900/6	160 L6	11	8,9	965	77																																				
TRM 1000/6	180 L6	15	12	965	79																																				
TRM 1000/6	200 LR6	18,5	16	970	80																																				
TRM 1120/6	200 L6	22	21	970	82																																				
TRM 1120/6	225 M6	30	28	975	83																																				

DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO
DIMENSIONS D'ENCOMBREMENT ET POIDS / COURBES DE FONCTIONNEMENT
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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

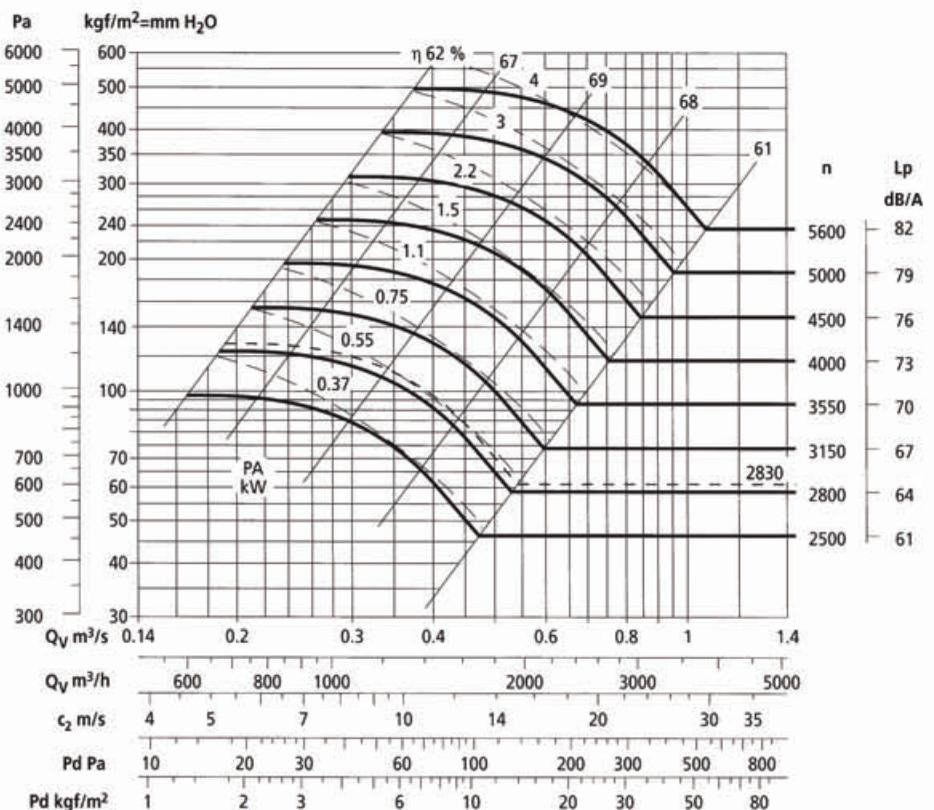
PD² = 0,16 kgf m²
GD² = 0,16 kgf m²

Massima velocità di rotazione
Maximum rotation speed

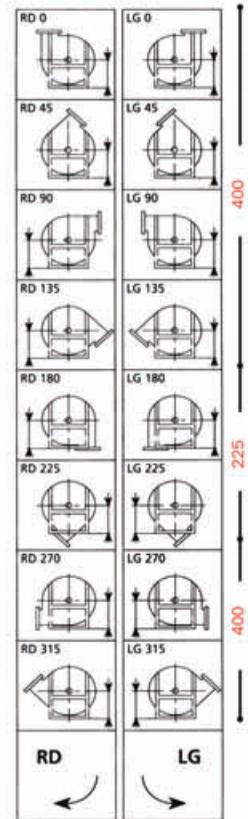
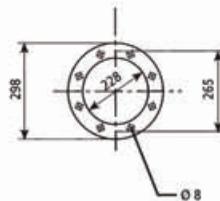
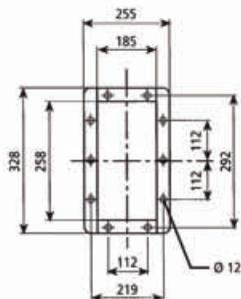
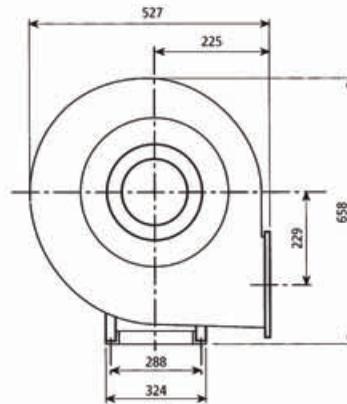
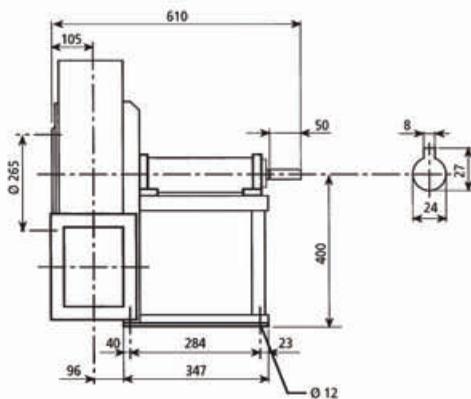
<100°C = 5000
100÷200°C = 4500
200÷300°C = 4000

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

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



DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO
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Il ventilatore è orientabile
The fan is revolvable

Peso ventilatore in kgf 43
Weight of ventilator in kgf 43

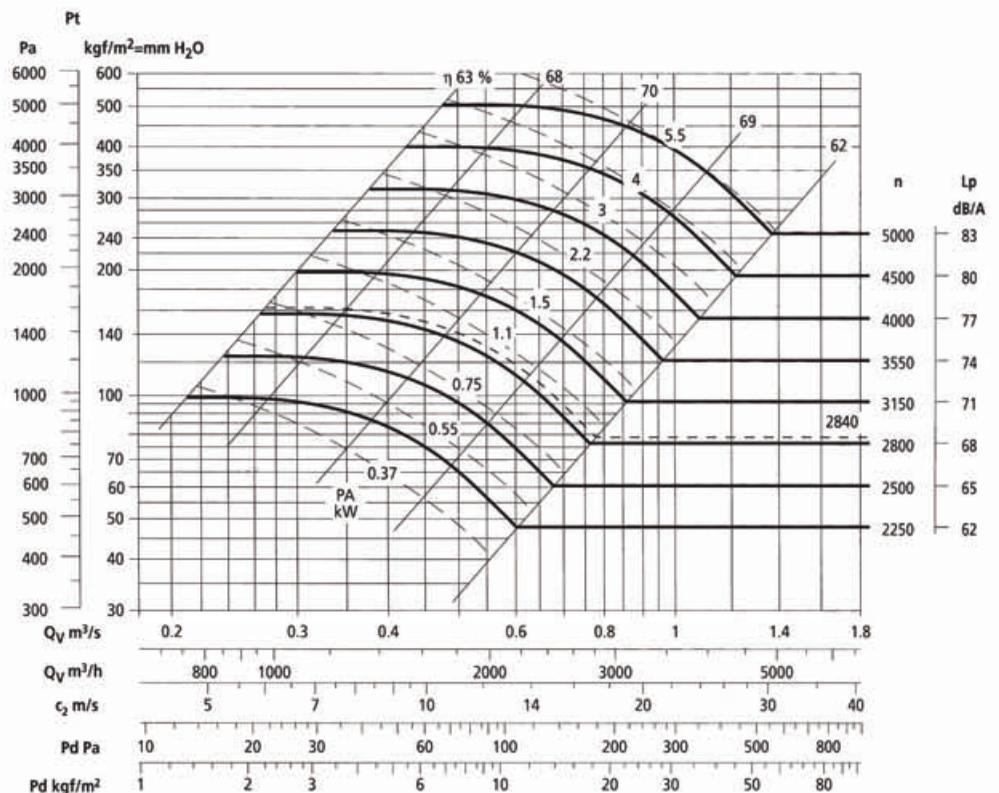
PD² = 0,21 kgf m²
GD² = 0,21 kgf m²

Massima velocità di rotazione
Maximum rotation speed

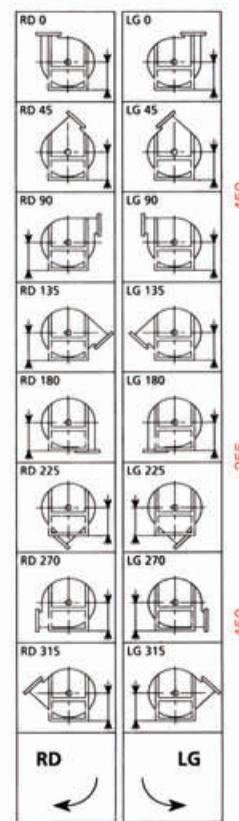
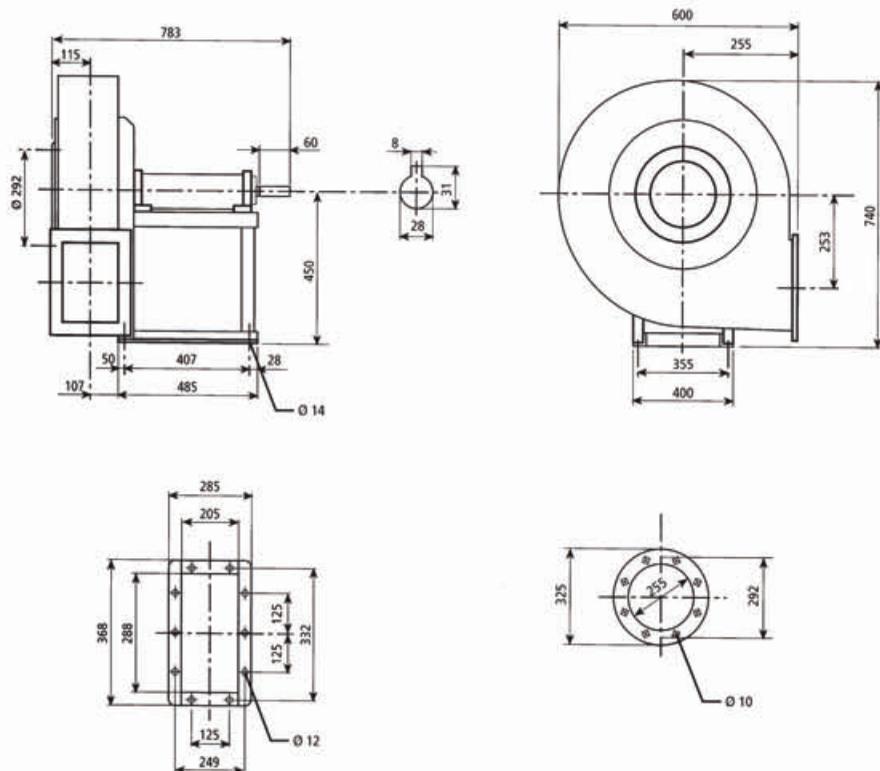
<100°C = 4500
100÷200°C = 4000
200÷300°C = 3550

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

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



DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO
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Il ventilatore è orientabile
The fan is revoluble

Peso ventilatore in kgf 72
Weight of ventilator in kgf 72

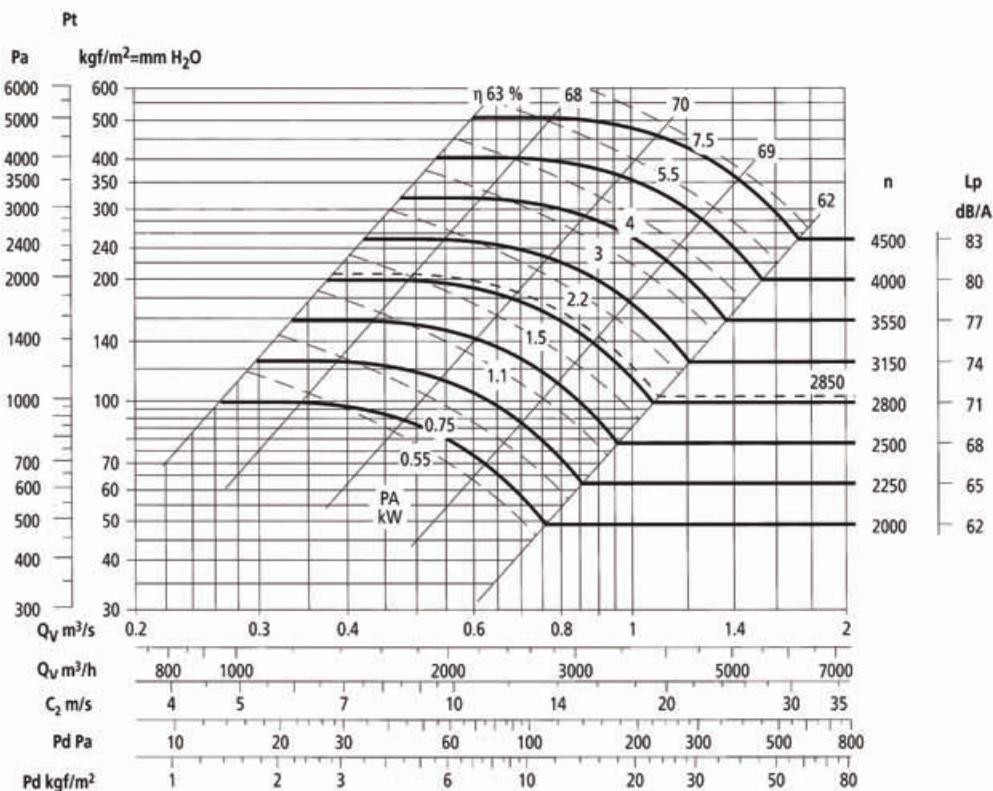
PD² = 0,5 kgf m²
GD² = 0,5 kgf m²

Massima velocità di rotazione
Maximum rotation speed

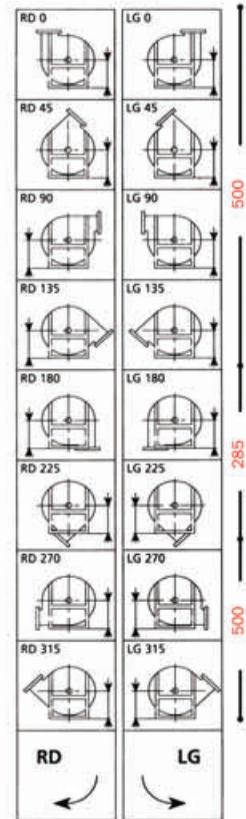
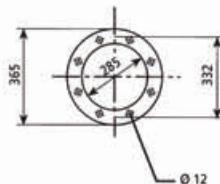
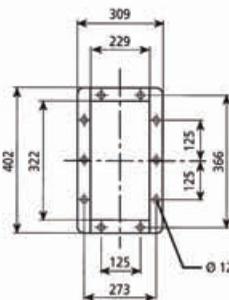
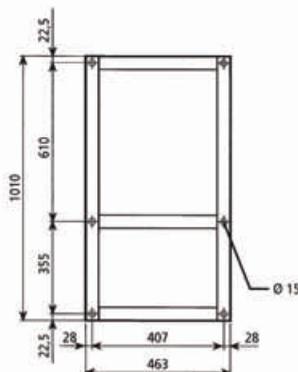
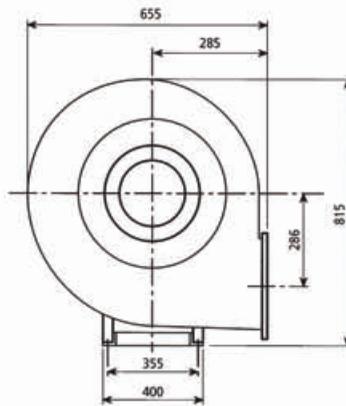
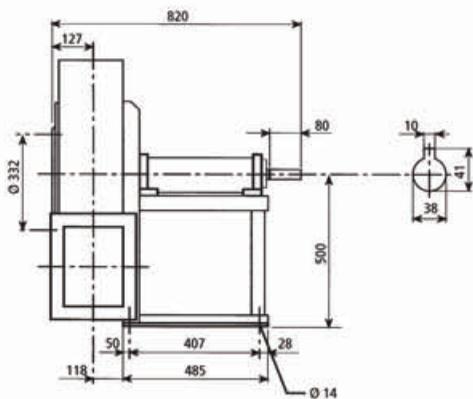
<100°C = 4000
100÷200°C = 3550
200÷300°C = 3150

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

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



DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO
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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

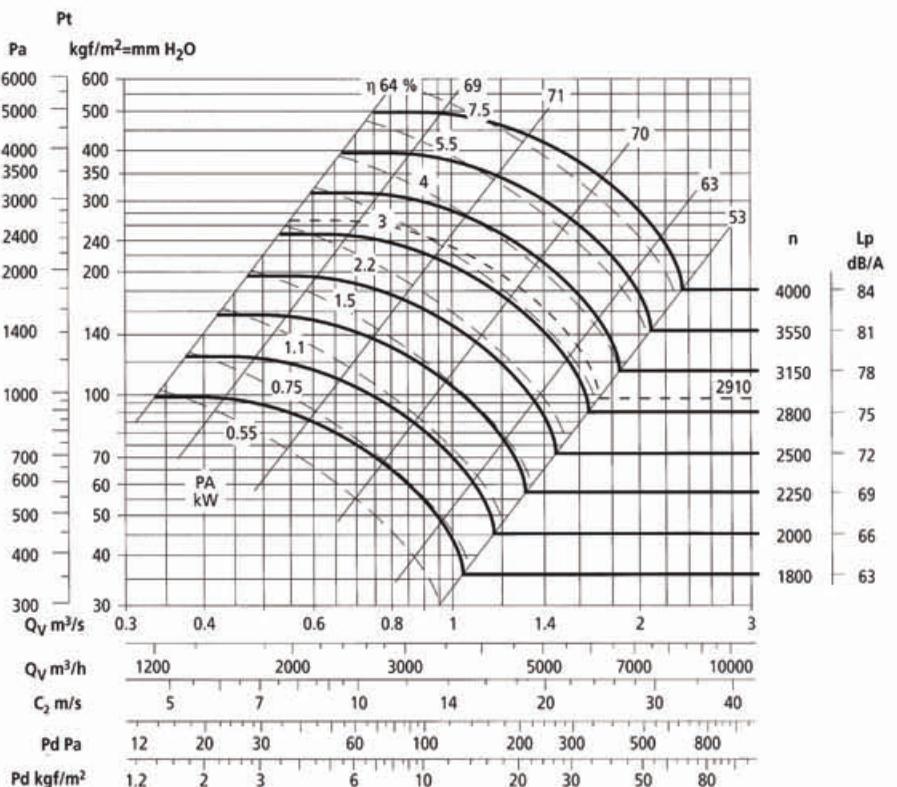
PD² = 0,8 kgf m²
GD² = 0,8 kgf m²

Massima velocità di rotazione
Maximum rotation speed

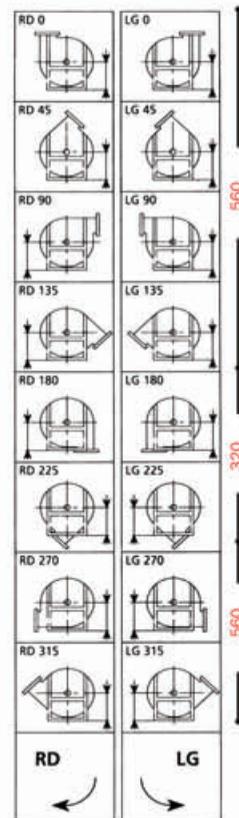
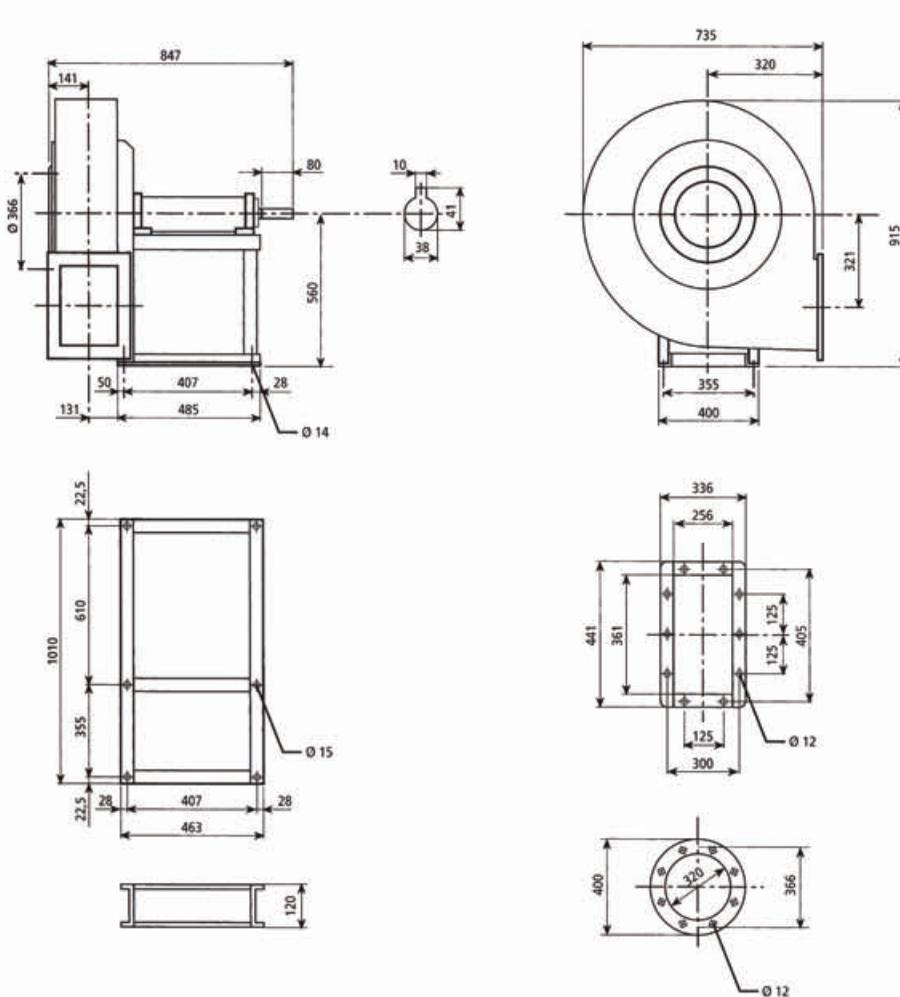
<100°C = 3550
100÷200°C = 3150
200÷300°C = 2800

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

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



DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO
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Il ventilatore è orientabile
The fan is revolvable

Peso ventilatore in kgf 102
Weight of ventilator in kgf 102

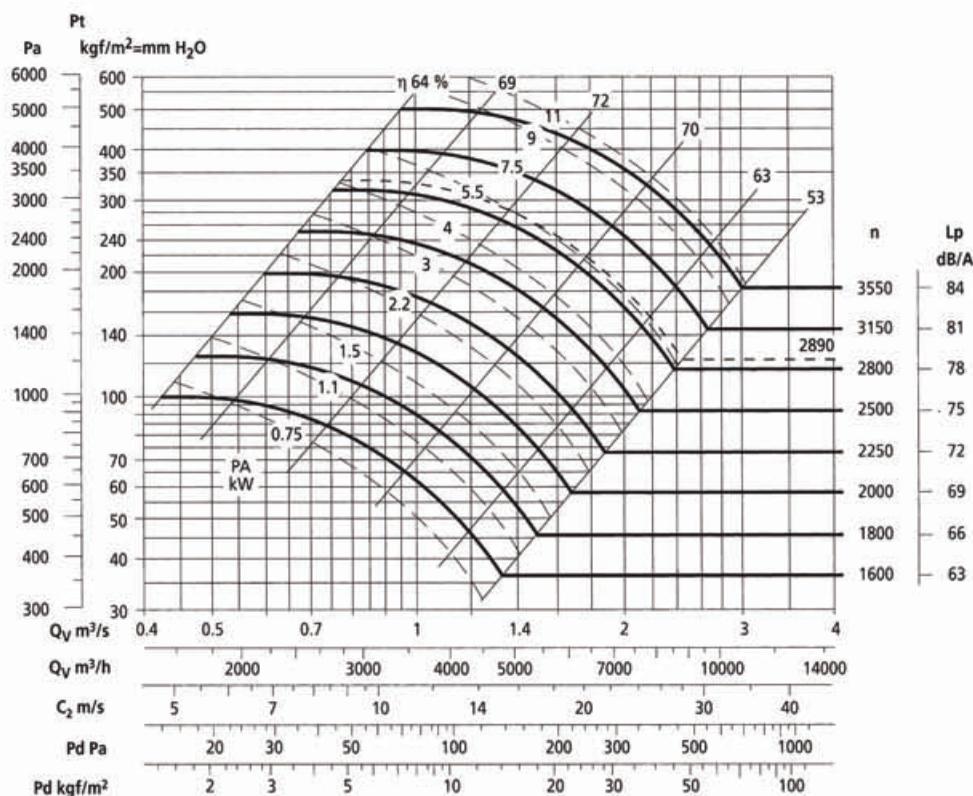
PD² = 1,4 kgf m²
GD² = 1,4 kgf m²

Massima velocità di rotazione
Maximum rotation speed

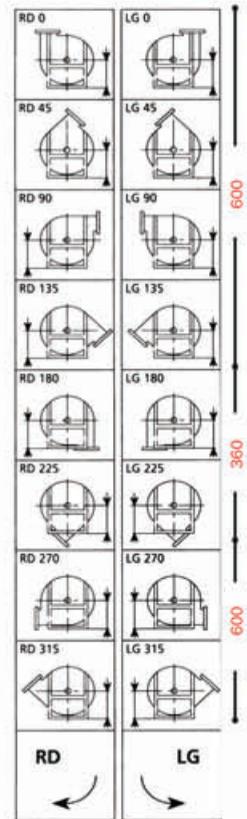
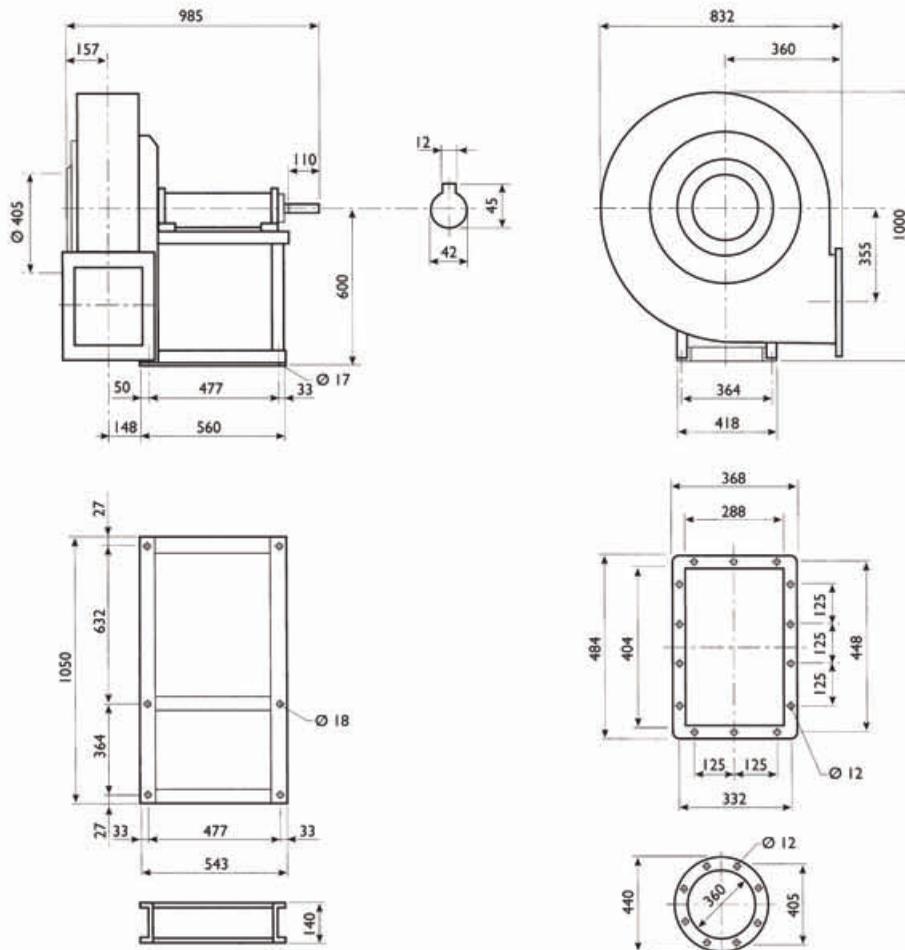
<100°C = 3150
100÷200°C = 2800
200÷300°C = 2500

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

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



DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO
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Il ventilatore è orientabile
The fan is revoluble

Peso ventilatore in kgf 145
Weight of ventilator in kgf 145

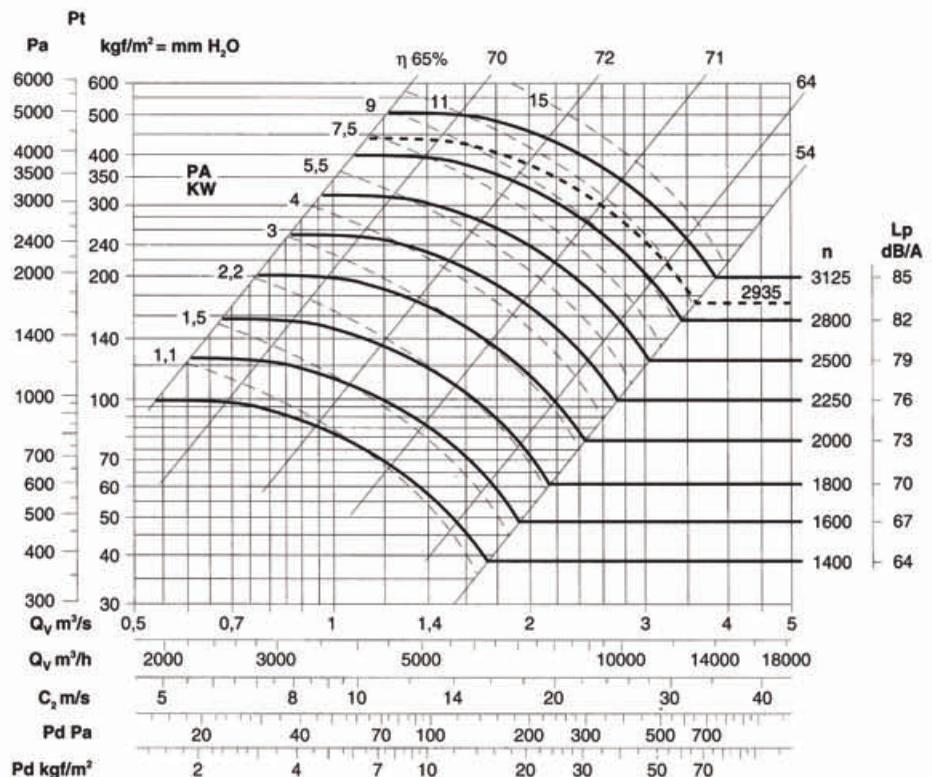
PD² = 2,6 kgf m²
GD² = 2,6 kgf m²

Massima velocità di rotazione
Maximum rotation speed

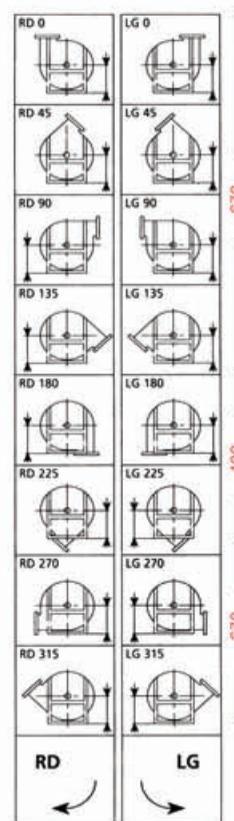
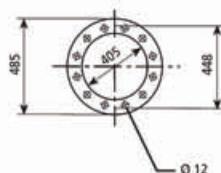
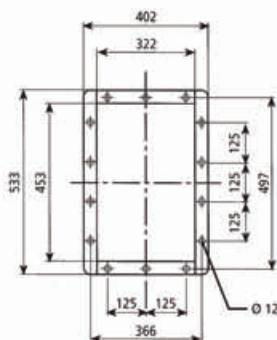
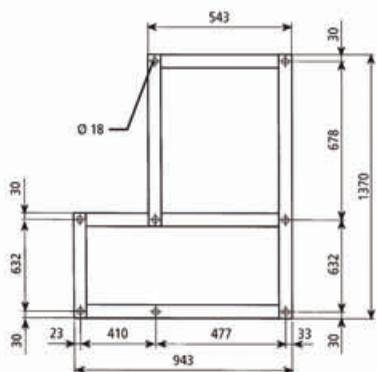
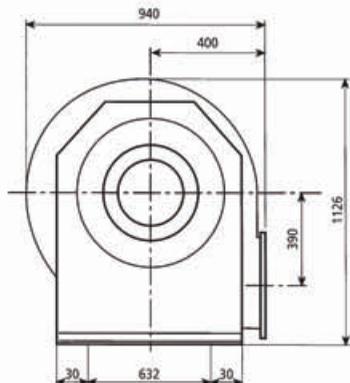
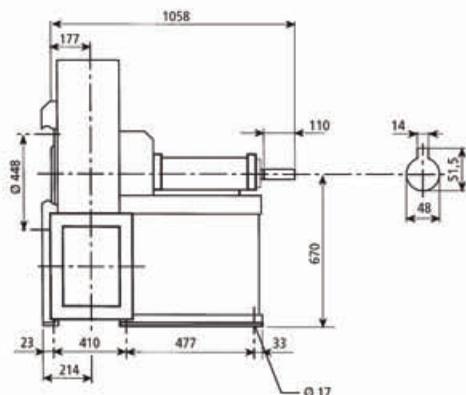
<100°C = 2800
100÷200°C = 2500
200÷300°C = 2250

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

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



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Il ventilatore è orientabile
The fan is revoluble

Peso ventilatore in kgf 172
Weight of ventilator in kgf 172

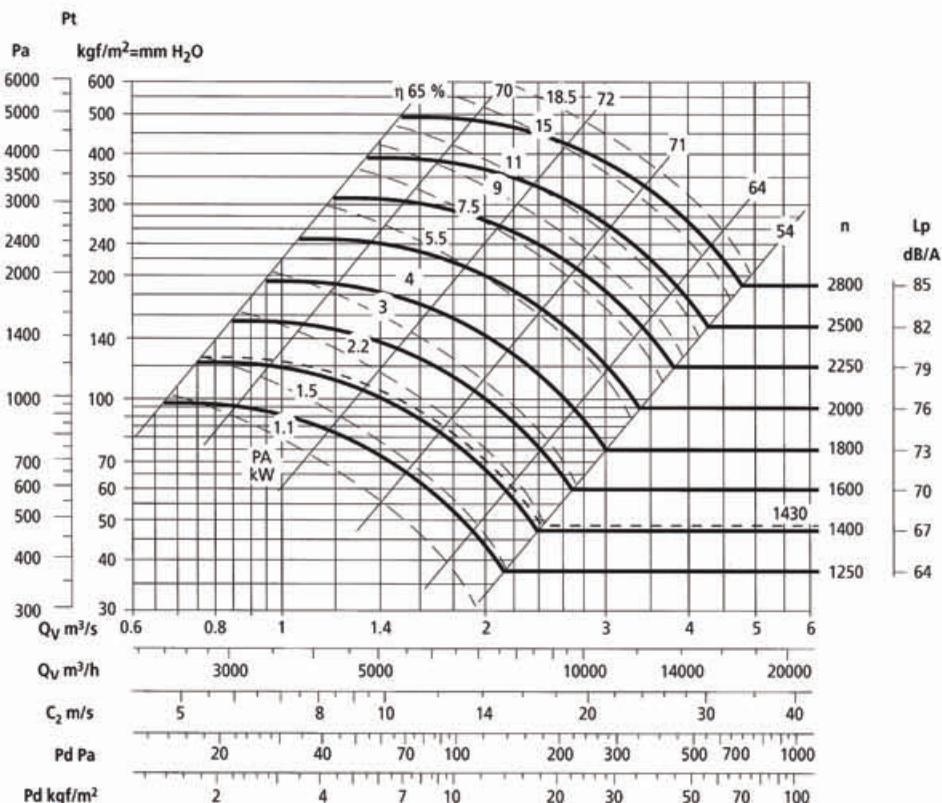
PD² = 3,8 kgf m²
GD² = 3,8 kgf m²

Massima velocità di rotazione
Maximum rotation speed

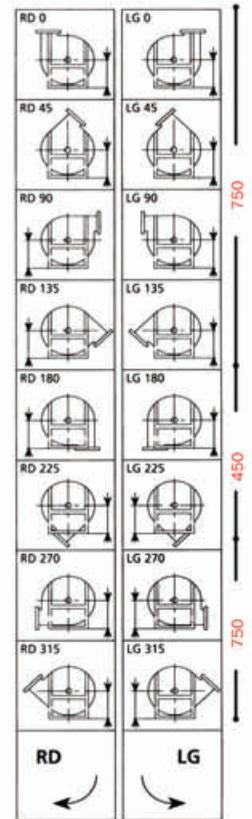
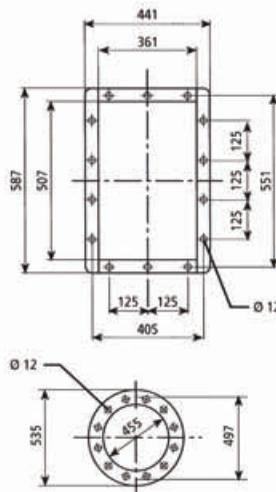
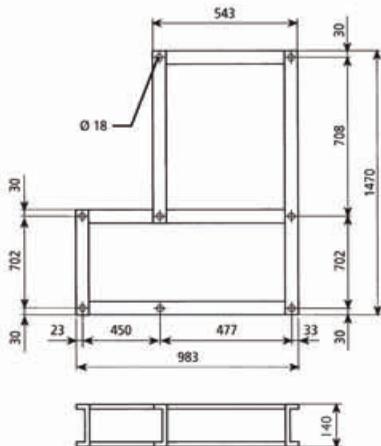
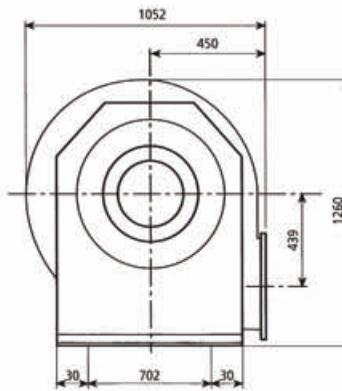
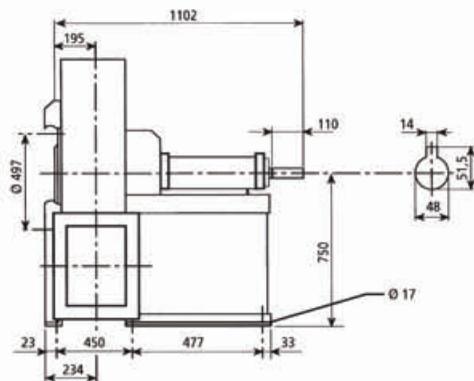
<100°C = 2500
100÷200°C = 2250
200÷300°C = 2000

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

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



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Il ventilatore è orientabile
The fan is revoluble

Peso ventilatore in kgf 210
Weight of ventilator in kgf 210

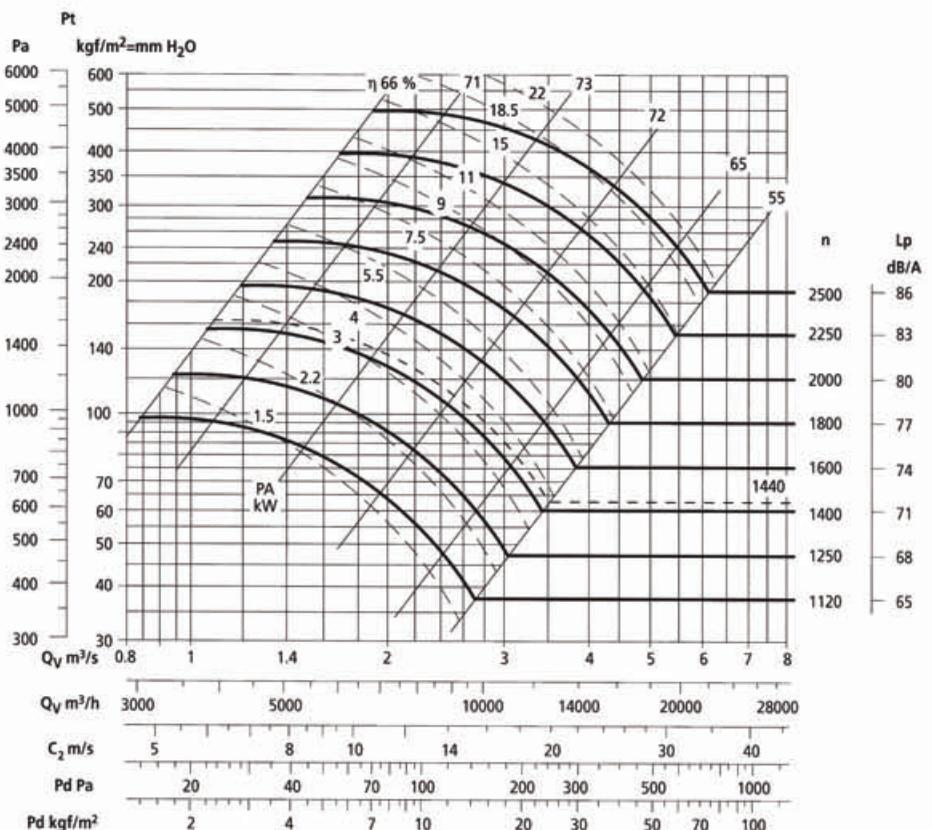
PD² = 6,7 kgf m²

Massima velocità di rotazione
Maximum rotation speed

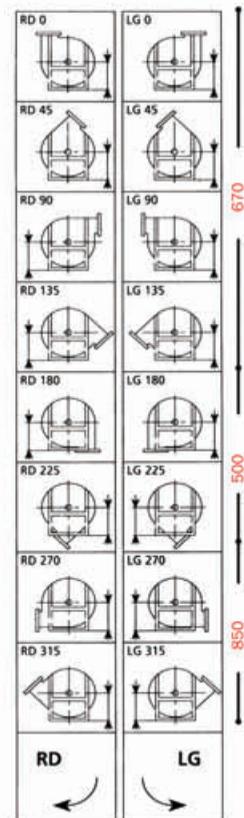
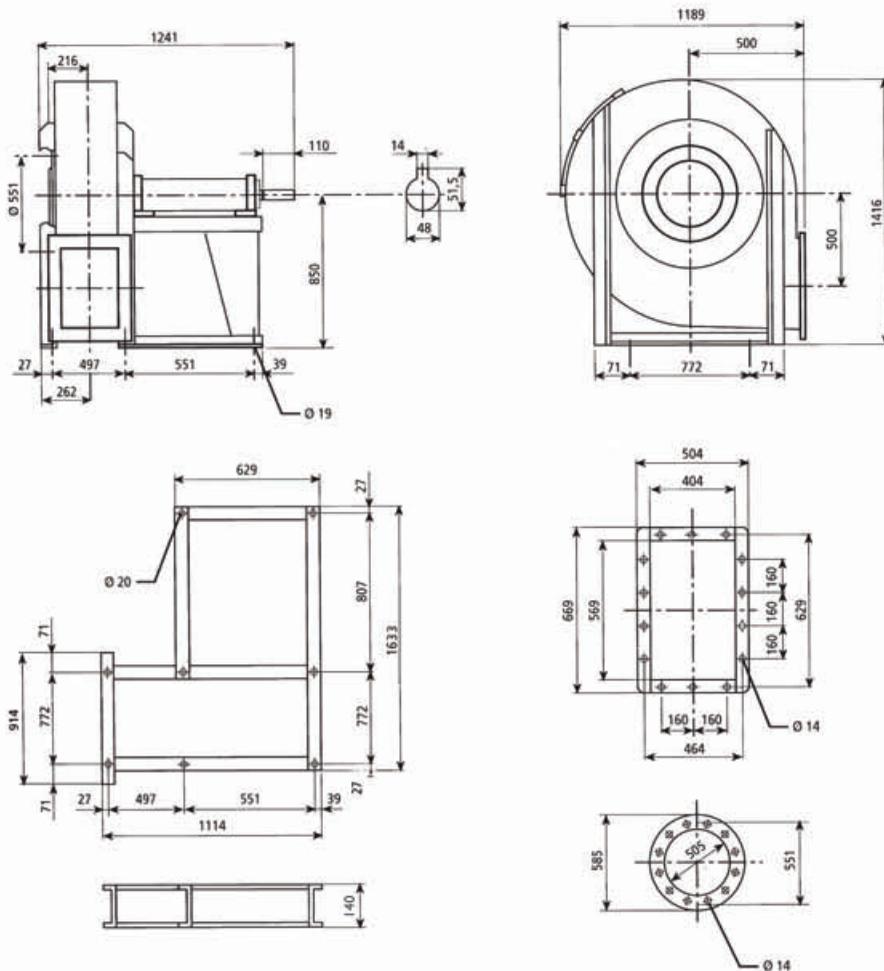
<100°C = 2250
100÷200°C = 2000
200÷300°C = 1800

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

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



DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO
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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 revoluble

Peso ventilatore in kgf 290
Weight of ventilator in kgf 290

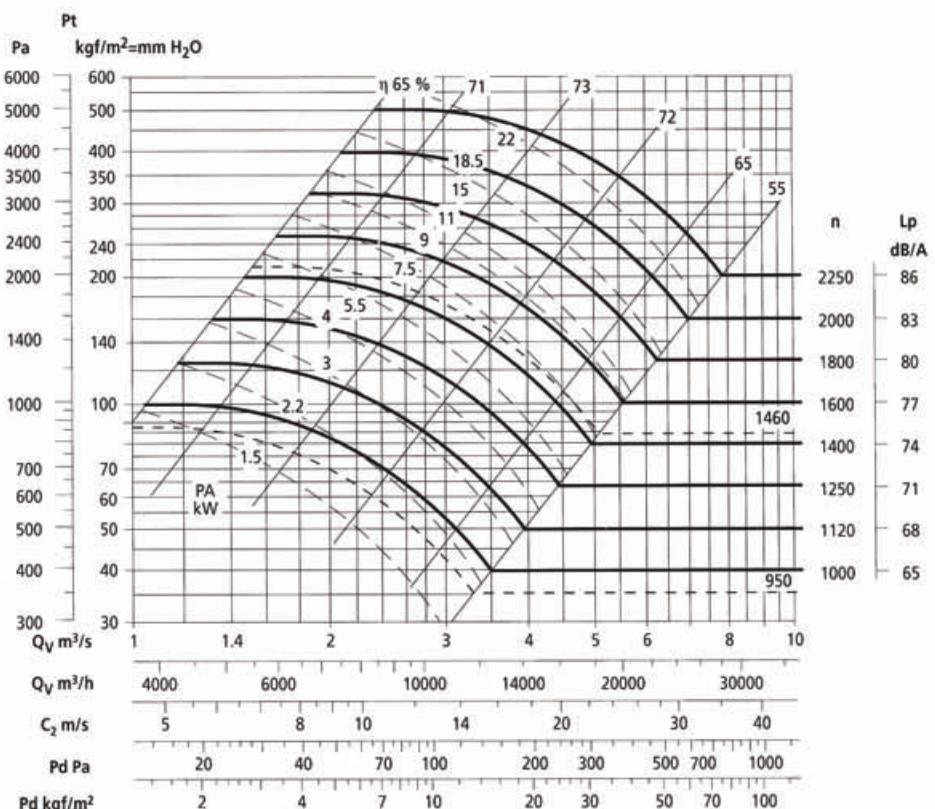
PD² = 12 kgf m²
GD² = 12 kgf m²

Massima velocità di rotazione
Maximum rotation speed

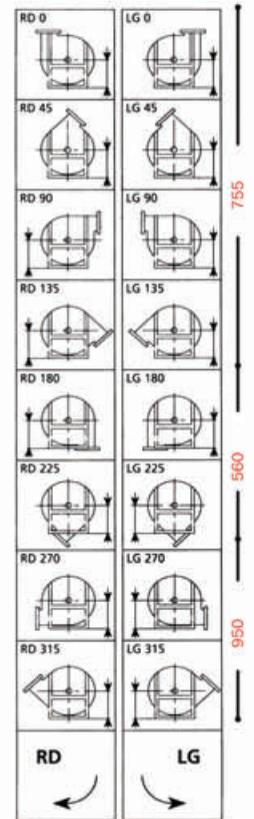
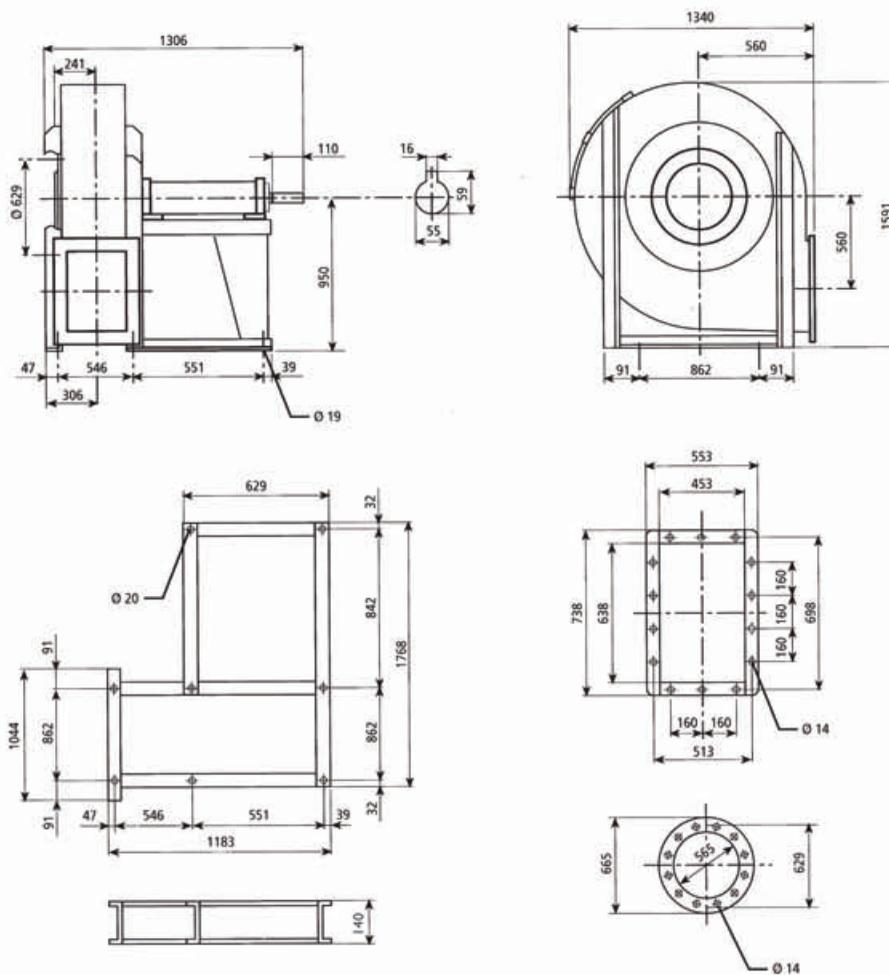
<100°C = 2000
100÷200°C = 1800
200÷300°C = 1600

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

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



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Il ventilatore è orientabile
The fan is revoluble

Peso ventilatore in kgf 340
Weight of ventilator in kgf 340

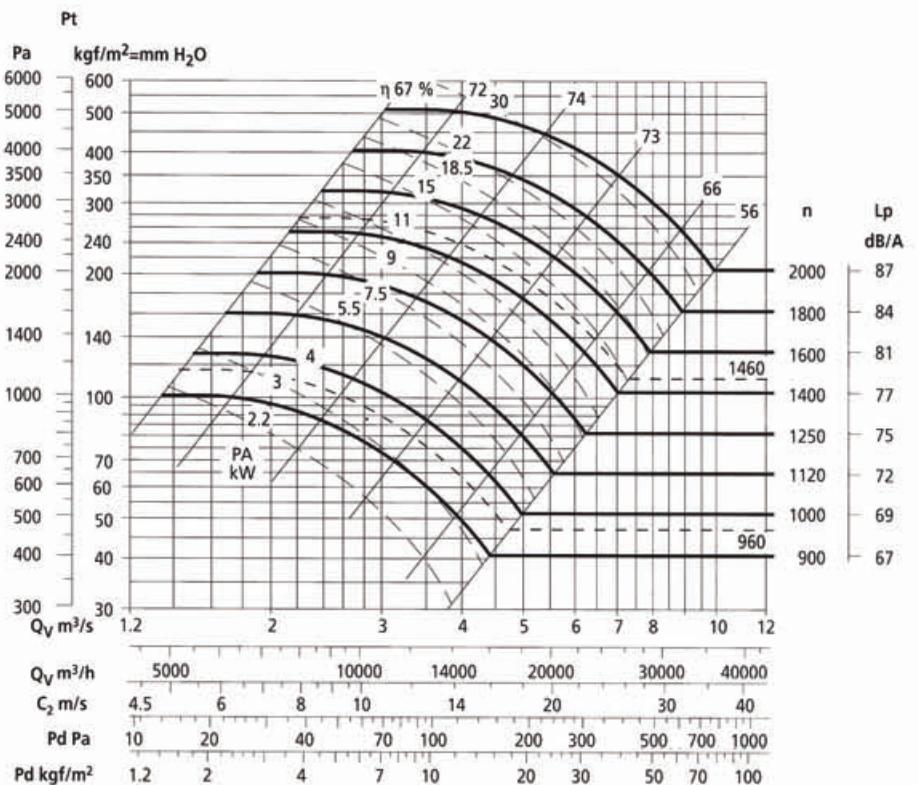
PD² = 19 kgf m²
GD²

Massima velocità di rotazione
Maximum rotation speed

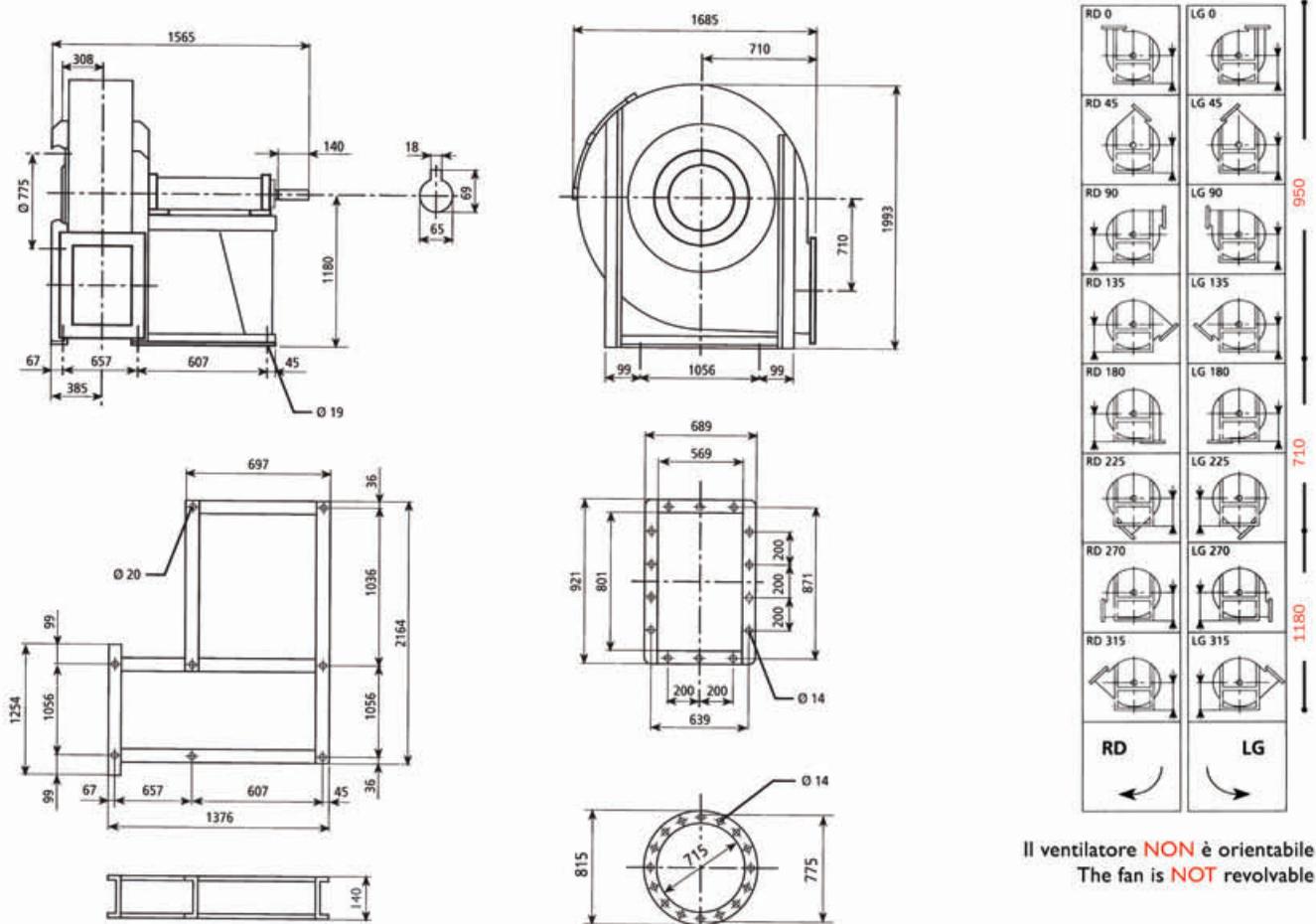
<100°C = 1800
100÷200°C = 1600
200÷300°C = 1400

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

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



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

Peso ventilatore in kgf 530
Weight of ventilator in kgf 530

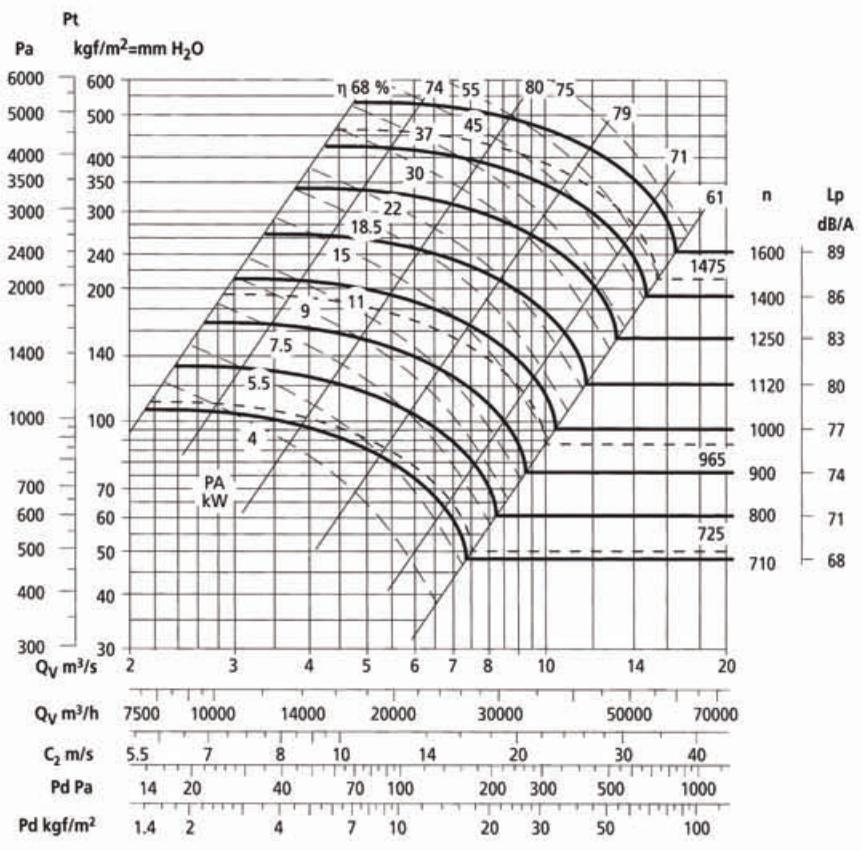
PD² = 53 kgf m²
GD² = 53 kgf m²

Massima velocità di rotazione
Maximum rotation speed

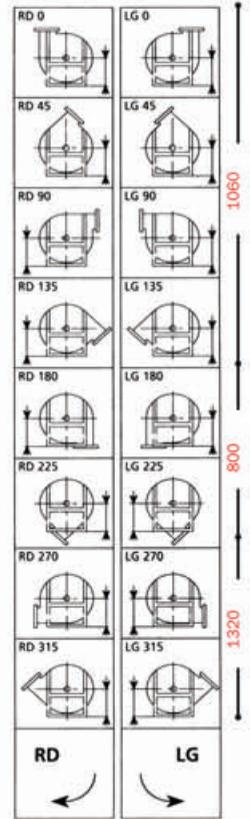
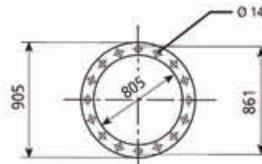
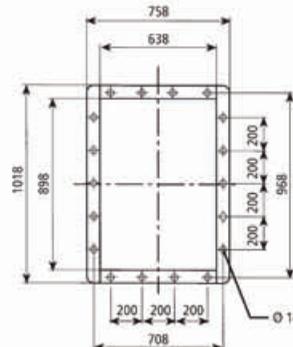
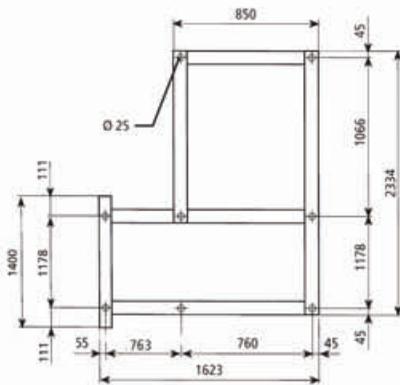
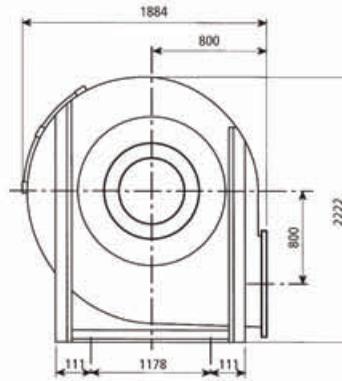
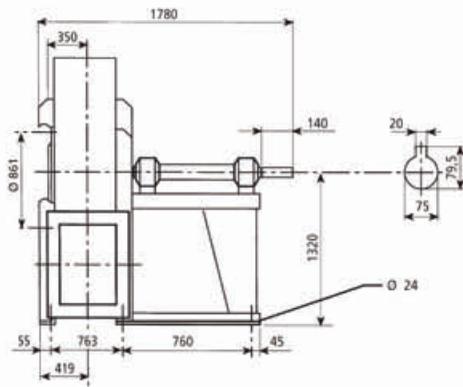
- <100°C = 1400
- 100÷200°C = 1250
- 200÷300°C = 1120

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

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



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

Peso ventilatore in kgf 860
Weight of ventilator in kgf 860

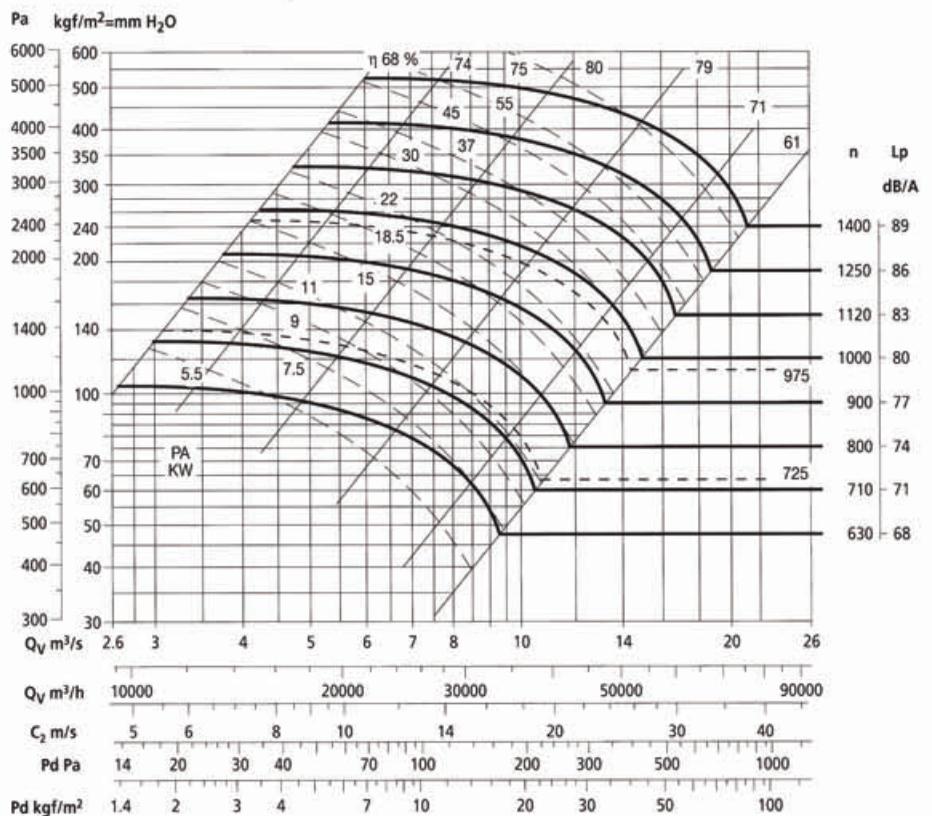
PD² = 118 kgf m²
GD² = 118 kgf m²

Massima velocità di rotazione
Maximum rotation speed

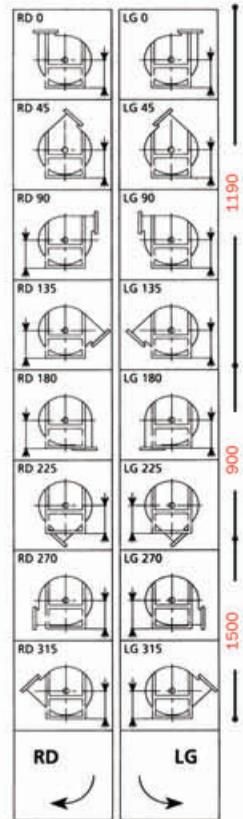
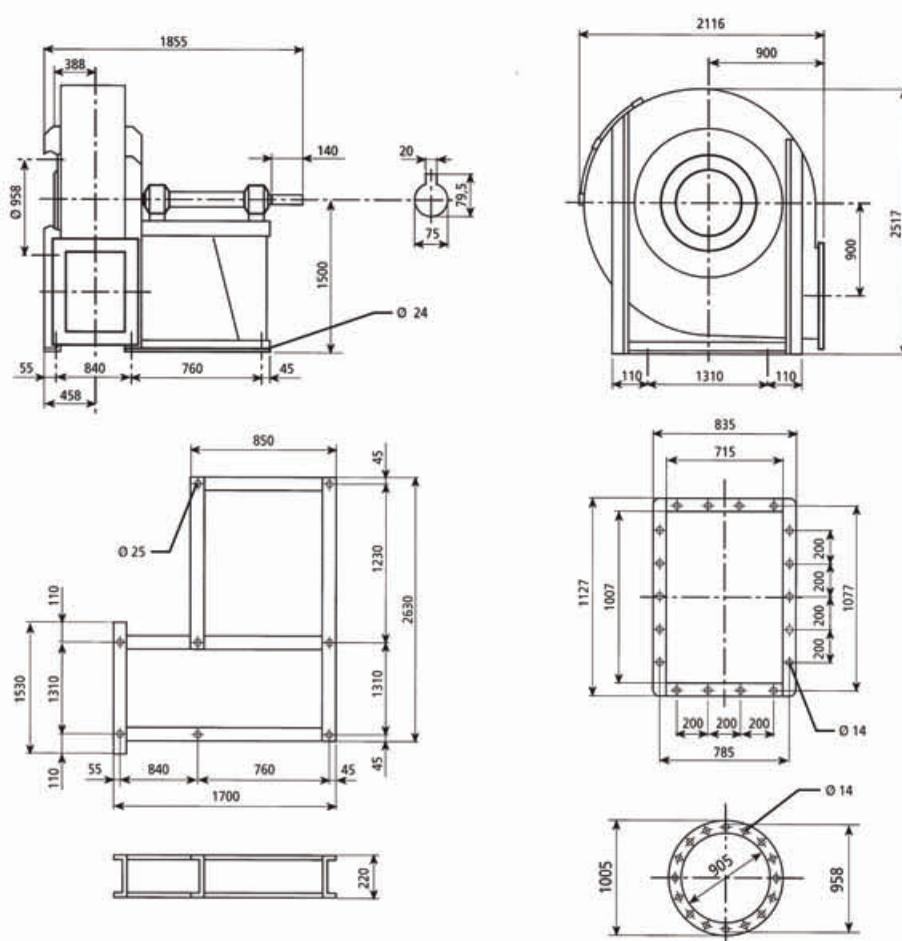
<100°C = 1250
100÷200°C = 1120
200÷300°C = 1000

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

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



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

Peso ventilatore in kgf 1095
Weight of ventilator in kgf 1095

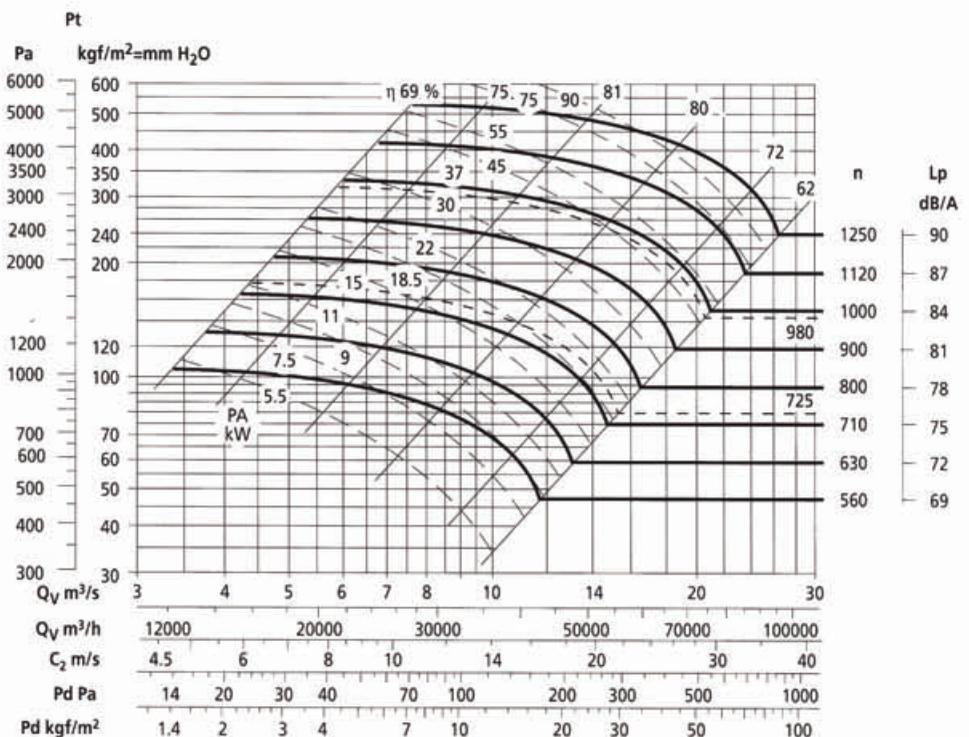
PD² = 190 kgf m²
GD² = 190 kgf m²

Massima velocità di rotazione
Maximum rotation speed

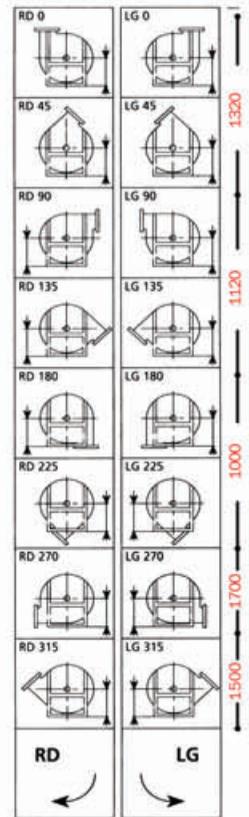
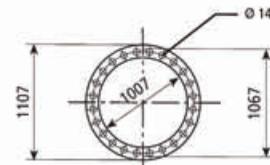
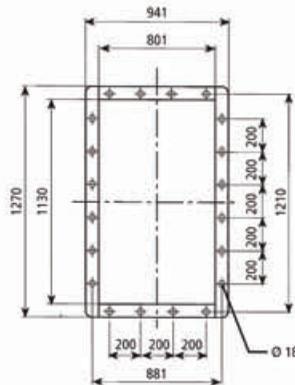
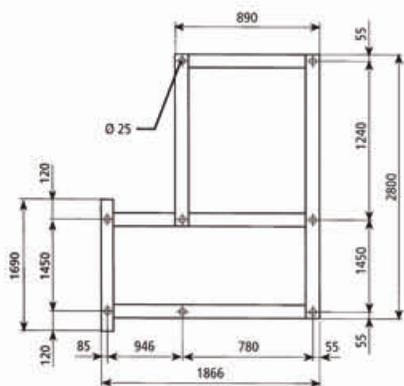
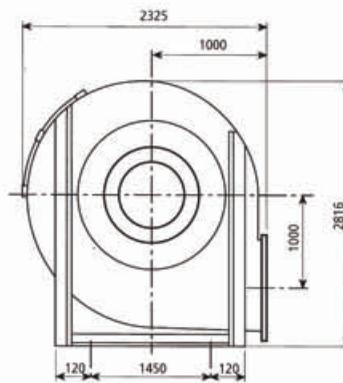
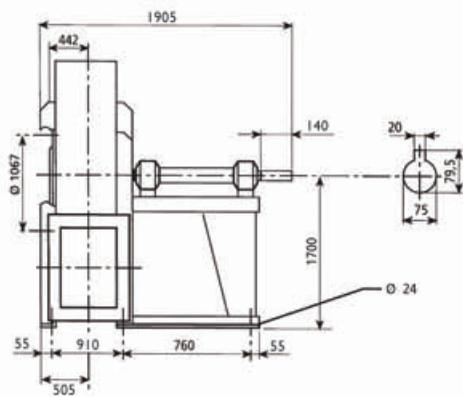
<100°C = 1120
100÷200°C = 1000
200÷300°C = 900

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

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



DIMENSIONI D'INGOMBRO E PESI / CURVE DI FUNZIONAMENTO
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Il ventilatore **NON** è orientabile
The fan is **NOT** revolvable

Peso ventilatore in kgf 1510
Weight of ventilator in kgf 1510

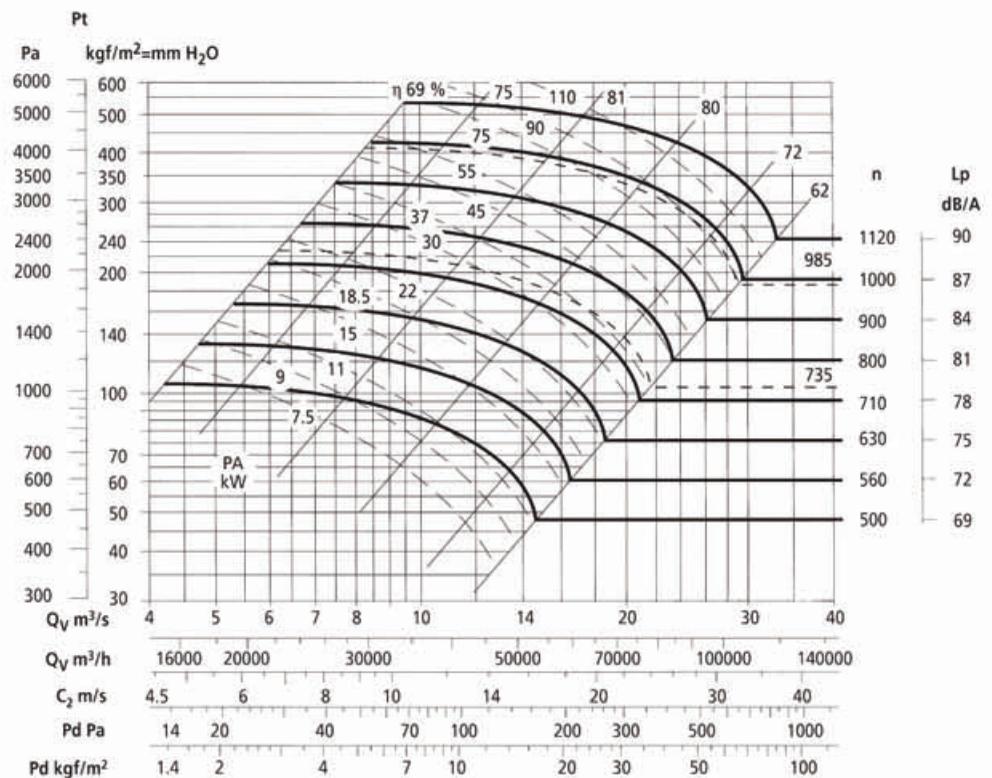
PD² = 315 kgf m²
GD² = 315 kgf m²

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%



ACCESSORI
ACCESSOIRES
ACCESSORIES
ZUBEHÖRTEILE
ACESORIOS

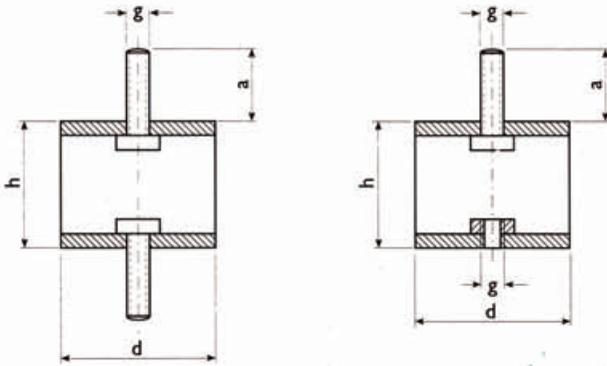
SUPPORTI ANTIVIBRANTI - Si montano sotto ai piedi di sostegno dei ventilatori per evitare la trasmissione di vibrazioni alle strutture di supporto.

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.

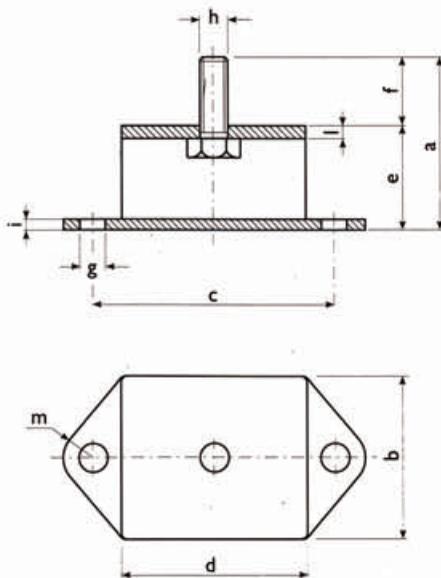


AV 1

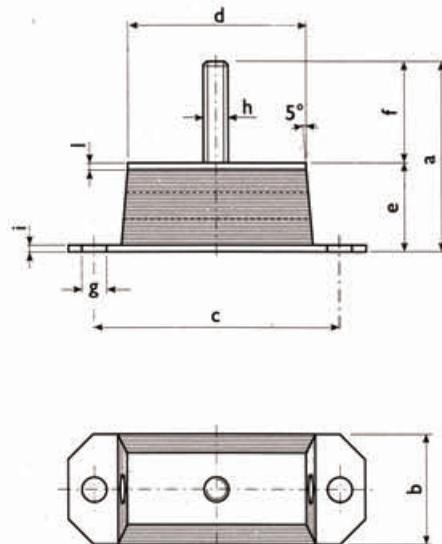
AV 2

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. 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

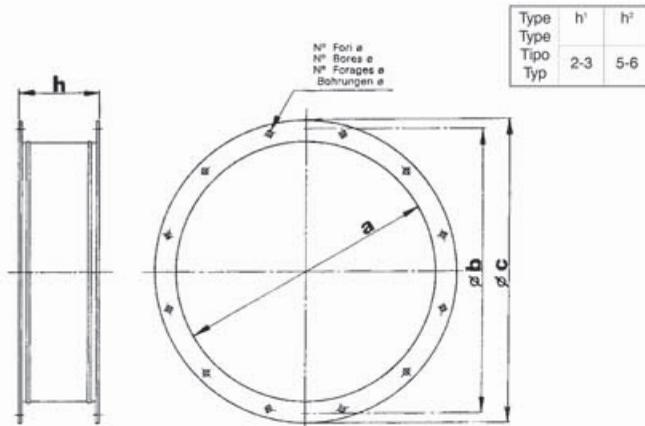
GIUNTI ANTIVIBRANTI ASPIRANTI
FLEXIBLE CONNECTION INLET SIDE
MANCHETTE SOUPLE COTE ASPIRATION
ELASTISCHE MANSCHETTE SAUGSEITIG

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

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

GP

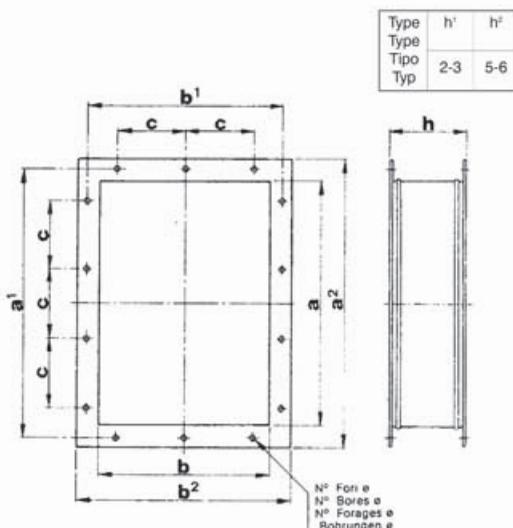
GIUNTI ANTIVIBRANTI PREMENTI
FLEXIBLE CONNECTION OUTLET SIDE
MANCHETTE SOUPLE COTE DE REFOULEMENT
ELASTISCHE MANSCHETTE DRUCKSEITIG

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

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



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