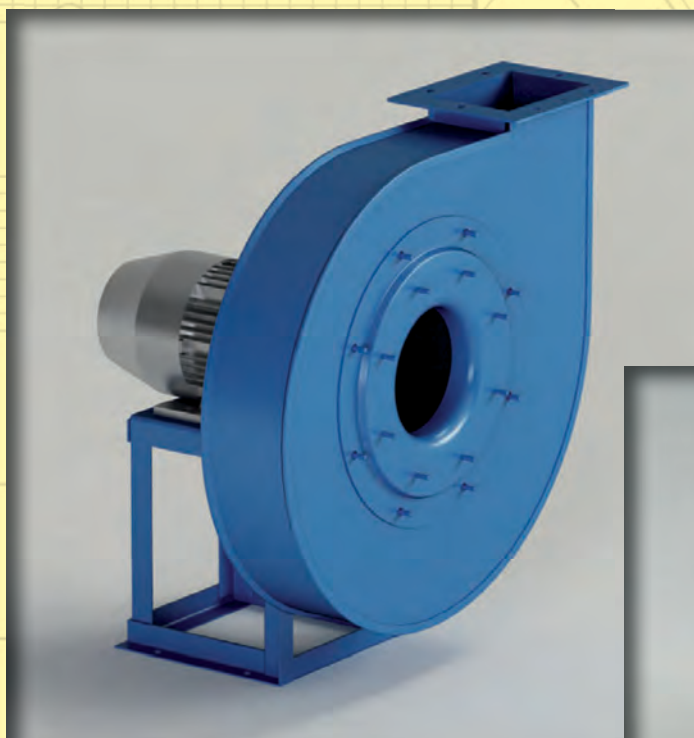


Mod.

PRVM

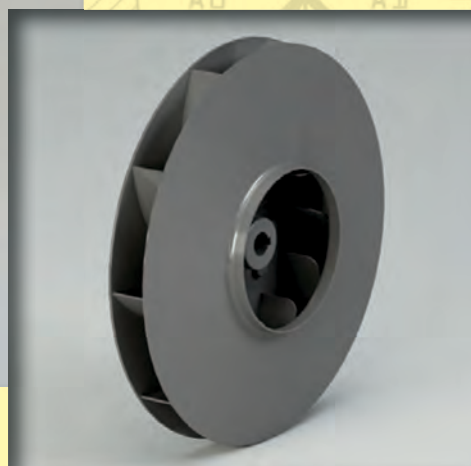


$Q = 360 \div 110000 \text{ m}^3/\text{h}$

$Q = 0.1 \div 30 \text{ m}^3/\text{s}$

$p_t = 100 \div 2200 \text{ mmH}_2\text{O}$

$p_t = 1000 \div 22000 \text{ Pa}$



Field of operation

Medium-low flow rates. High pressures.

Blade type

Curve, backward (negative), see pg. 2.2.

Applications

For pneumatic transport, fumes, fine dust. Suitable for transporting solid materials mixed with air, chips and sawdust with a non-transited fan.

Standard constructional arrangements

Arr.1 - Arr.4 - Arr.5 - Arr.8 - Arr.9 - Arr.12, see pgs. 2.5 - 2.6.

Standard fluid temperatures

-10÷+60°C. For other temperatures see pgs. 1.12 to 1.15.

Type of construction

Fan in Fe360 plate, impeller in Fe360 statically and dynamically balanced. For other materials see pgs. 1.12 to 1.15.

Operating specifications

Condition of inlet air T=20°C, 0 m above sea level and $\rho=1.205 \text{ kg/m}^3$.

Noise level

Expressed as sound power L_w [dB(A)] measured in free field with ducted fan, see pgs. 1.43 to 1.49.

Orientations

No.8 RD (clockwise viewed from transmission side) and No.8 LG. Fan in bolted orientable version for sizes 350-630, with front support and so not orientable for sizes 710 and above with transmission drive, always orientable for directly coupled fans without front support. See pg. 2.7.

Special applications

See pgs. 2.20 to 2.34.

Fan start-up

During start-up the fan flow rate must be limited, calibrated for the fan's maximum electrical input.

Impeller classes

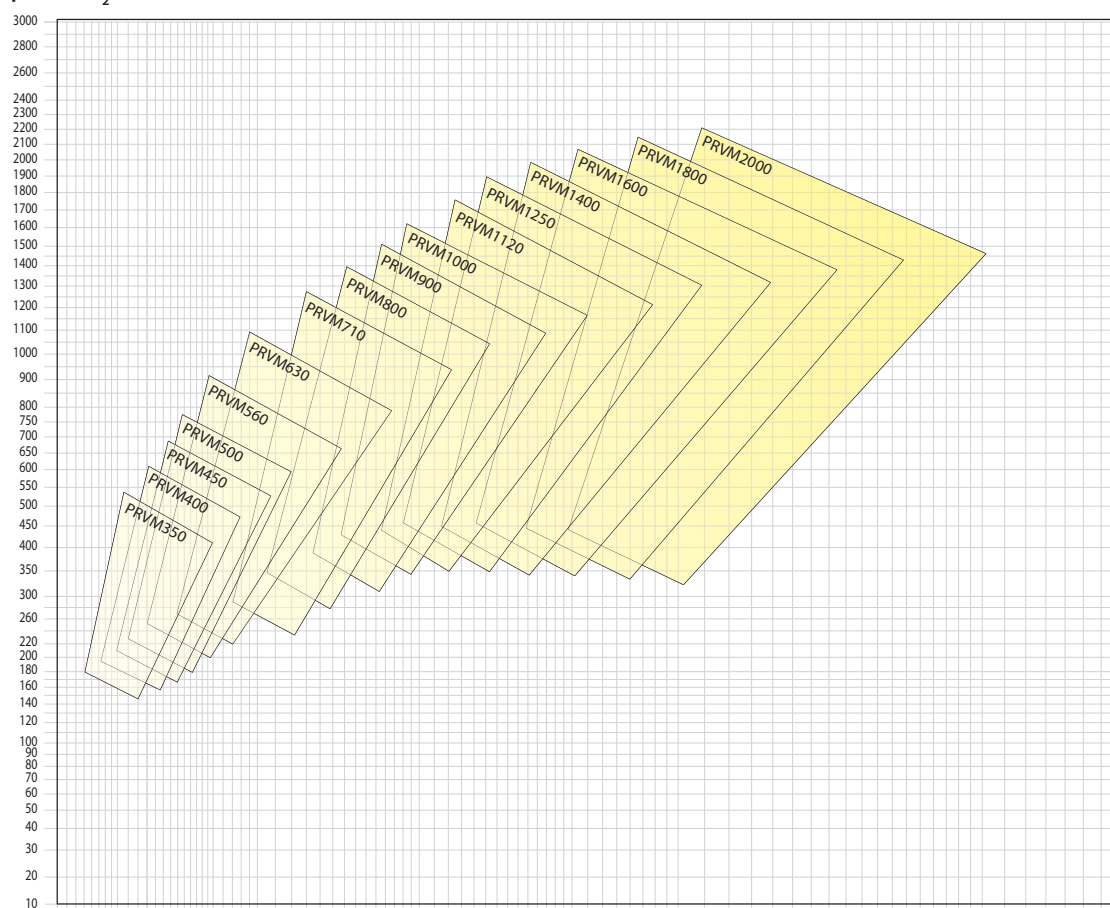
The above table refers to standard operating conditions, in heavy-duty service conditions it is advisable to contact the CORAL Customer Service to establish the most suitable type of impeller.

GRANDEZZA VENTILATORE • Size	• Max rpm		
	CLASSE I	CLASSE II	CLASSE III
PRVM350/R	5000		
PRVM350	5000		
PRVM400/R	5000		
PRVM400	5000		
PRVM450/R	5000		
PRVM450	5000		
PRVM500/R	4750		
PRVM500	4500	5000	
PRVM560/R	4250	4750	
PRVM560	4000	4500	
PRVM630/R	3850	4150	4500
PRVM630	3700	3900	4250
PRVM710/R	3550	3850	4150
PRVM710	3400	3700	4000
PRVM800/R	3250	3550	3850
PRVM800	3000	3300	3600
PRVM900/R	3200	3500	3700
PRVM900	3000	3250	3450
PRVM1000/R	3150	3350	3450
PRVM1000	3000	3150	3350
PRVM1120	2700	2900	3100
PRVM1250	2400	2600	2800
PRVM1400	2100	2300	2450
PRVM1600	1850	2000	2100
PRVM1800	1650	1750	1850
PRVM2000	1450	1550	1650

• Values valid up to 60°C

• between	60°C	• and	100°C	• degrade speed	4%
	100°C		150°C		10%
	150°C		200°C		16%
	200°C		250°C		23%
	250°C		300°C		30%
	300°C		350°C		37%
	350°C		400°C		45%
	400°C		450°C		54%
	450°C		500°C		64%

pt [mmH₂O]



Q[m³/h]

Type		P inst. [kW]	n	LpA [dB(A)]																		
Fan	Motor				• Load tolerance $\pm 5\%$																	
					Q [m³/h]																	
					360	400	430	470	540	650	720	790	865	935	1080	1225	1370	1440	1620	1800		
					pt[mmH ₂ O]																	
PRVM350/N2R	80	0,75	2840	60	186	185	184	183	181	174	170	160	152	140								
PRVM350/N2	80	1,1	2845	61	216	216	216	215	214	210	206	202	198	194	180	160	145	130				
PRVM400/N2R	90	1,5	2860	63					246	243	241	239	235	230	222	211	195	185	170			
PRVM400/N2	90	2,2	2920	67						298	297	296	296	295	288	277	271	267	250	235		
PRVM450/N2R	100	3	2920	67							320	322	320	319	318	312	306	300	290	275		
PRVM450/N2	112	4	2920	70								380	381	380	379	377	371	367	363	352		
PRVM500/N2R	112	4	2920	70											410	410	408	406	404	390		
PRVM500/N2	132	5,5	2920	70												462	465	467	466	461		
PRVM560/N2R	132	7,5	2940	74														545	545	543		
PRVM560/N2	160	11	2940	75														612	612	610		
PRVM630/N2R	160	15	2940	76																680		
PRVM630/N2	160	18,5	2940	76																		
PRVM710/N2R	180	22	2940	77																		
PRVM710/N2	200	30	2945	78																		
PRVM710/N2	200	37	2945	78																		
PRVM800/N2R	225	45	2945	80																		
PRVM800/N2	250	55	2960	81																		
PRVM800/N2	280	75	2960	81																		
PRVM900/N2R	280	75	2960	81																		
PRVM900/N2	280	90	2960	82																		
PRVM900/N2	315	110	2960	84																		
PRVM1000/N2R	315	110	2960	82																		
PRVM1000/N2R	315	132	2960	84																		
PRVM1000/N2	315	160	2960	87																		
PRVM1000/N2	315	200	2960	88																		
PRVM710/N4R	112	4	1440	64																213		
PRVM710/N4	132	5,5	1455	65																246		
PRVM800/N4R	132	7,5	1455	67																		
PRVM800/N4	160	11	1460	68																		
PRVM900/N4R	160	11	1460	70																		
PRVM900/N4	160	15	1460	71																		
PRVM1000/N4R	180	18,5	1460	72																		
PRVM1000/N4	180	22	1465	74																		

PRVM

• Noise tolerance $\pm 4\text{dB(A)}$

Q [m³/h]																								
2160	2520	2880	3240	3600	3960	4320	4680	5400	6120	7200	7920	9000	10080	10800	12600	14400	16200	18000	19800	21600	29000	33000		
pt[mmH ₂ O]																								
196																								
250	215																							
336	305	272																						
378	350	326	287																					
449	435	408	386	357																				
539	530	520	496	477	463	430	390																	
605	594	582	570	560	545	525	495	420																
678	675	670	662	652	640	625	608	570	525	430														
780	775	770	765	760	755	745	734	710	675	615	535													
		900	892	887	882	875	868	860	845	795	770	705												
				1010	1005	1000	996	990	980	953	925	885												
				1010	1005	1000	996	990	980	953	925	885	835	795										
					1135	1134	1130	1126	1120	1090	1080	1055	1025	990	895	800								
							1305	1300	1295	1280	1265	1245	1225	1205	1175									
							1305	1300	1295	1280	1265	1245	1225	1205	1175	1060	960							
								1460	1455	1450	1440	1425	1415	1405	1370	1315	1250	1190						
										1635	1625	1620	1610	1600	1590	1560	1510	1450						
										1635	1625	1620	1610	1600	1590	1560	1510	1450	1375	1320				
											1830	1825	1820	1810	1790	1765	1735	1700						
											1830	1825	1820	1810	1790	1765	1735	1700	1660	1590				
													2020	2010	2000	1980	1960	1935	1905	1875				
														2020	2010	2000	1980	1960	1935	1905	1875	1630	1470	
212	208	205	203	195	188	175	163																	
244	243	241	236	230	224	218	209	194																
274	272	271	269	265	261	257	250	237	221															
	315	314	312	310	307	304	300	292	285	258	236													
		355	354	353	352	350	348	341	336	320	310	285	270											
			400	398	397	396	395	390	384	375	365	346	330	315										
					446	445	443	440	437	432	422	411	398	387	356									
							495	490	485	480	475	470	465	460	440	420								

PRVM

■ The A-weighted sound power level, LpA (Chap.14), is the value measured in test conditions at the point of maximum noise level.

Type		P inst. [kW]	n	LpA [dB(A)]	• Load tolerance $\pm 5\%$																		
Fan	Motor				Q [m³/h]																		
					360	400	430	470	540	650	720	790	865	935	1080	1225	1370	1440	1620	1800			
					pt[mmH ₂ O]																		
PRVM350/N2R	80	0,75	2840	60	181	180	178	177	174	166	160	149	140	126									
PRVM350/N2	80	1,1	2845	61	210	209	209	208	206	200	195	190	184	179	162	138	118	101					
PRVM400/N2R	90	1,5	2860	63					238	234	231	229	224	218	208	195	177	165	146				
PRVM400/N2	90	2,2	2920	67						286	285	283	282	280	271	258	250	244	224	204			
PRVM450/N2R	100	3	2920	67							308	309	307	305	303	296	288	281	269	252			
PRVM450/N2	112	4	2920	68								364	364	362	360	357	349	345	338	325			
PRVM500/N2R	112	4	2920	69											391	390	387	385	381	366			
PRVM500/N2	132	5,5	2920	70												438	440	441	438	432			
PRVM560/N2R	132	7,5	2940	73														514	513	510			
PRVM560/N2	160	11	2940	73														574	573	570			
PRVM630/N2R	160	15	2940	74																634			
PRVM630/N2	160	18,5	2940	75																			
PRVM710/N2R	180	22	2940	76																			
PRVM710/N2	200	30	2945	77																			
PRVM710/N2	200	37	2945	77																			
PRVM800/N2R	225	45	2945	78																			
PRVM800/N2	250	55	2960	79																			
PRVM800/N2	280	75	2960	80																			
PRVM900/N2R	280	75	2960	80																			
PRVM900/N2	280	90	2960	81																			
PRVM900/N2	315	110	2960	83																			
PRVM1000/N2R	315	110	2960	82																			
PRVM1000/N2R	315	132	2960	83																			
PRVM1000/N2	315	160	2960	85																			
PRVM1000/N2	315	200	2960	86																			
PRVM710/N4R	112	4	1440	64																206			
PRVM710/N4	132	5,5	1455	65																238			
PRVM800/N4R	132	7,5	1455	67																			
PRVM800/N4	160	11	1460	68																			
PRVM900/N4R	160	11	1460	70																			
PRVM900/N4	160	15	1460	71																			
PRVM1000/N4R	180	18,5	1460	72																			
PRVM1000/N4	180	22	1465	74																			

PRVM

• Noise tolerance $\pm 4\text{dB(A)}$

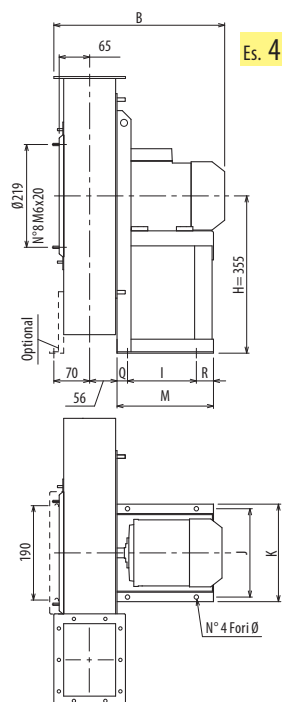
Q [m³/h]

2160 2520 2880 3240 3600 3960 4320 4680 5400 6120 7200 7920 9000 10080 10800 12600 14400 16200 18000 19800 21600 29000 33000

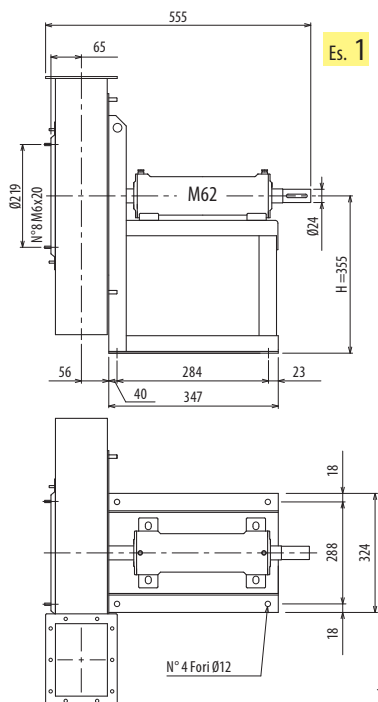
pt[mmH₂O]

155																							
221	179																						
303	265	224																					
351	320	291	247																				
417	399	368	341	306																			
504	493	480	454	432	414	378	335																
563	551	536	522	508	490	466	433	349															
631	626	620	610	599	585	568	549	506	455	349													
720	714	708	701	694	686	674	661	632	591	520	434												
		822	814	808	801	793	785	773	754	700	670	599											
				911	905	899	893	883	869	836	805	757											
				911	905	899	893	883	869	836	805	757	698	651									
					1016	1014	1009	1003	994	963	950	921	887	850	749	642							
								1150	1143	1135	1117	1101	1077	1052	1029	986							
								1150	1143	1135	1117	1101	1077	1052	1029	986	868	756					
									1272	1266	1258	1248	1232	1219	1207	1168	1111	1044	977				
											1399	1389	1381	1368	1357	1339	1304	1251	1188				
											1399	1389	1381	1368	1357	1339	1304	1251	1188	1109	1044		
												1546	1540	1533	1524	1504	1478	1448	1413				
												1546	1540	1533	1524	1504	1478	1448	1413	1373	1308		
														1677	1668	1655	1634	1613	1586	1555	1522		
														1677	1668	1655	1634	1613	1586	1555	1522	1280	1111
204	198	194	190	180	171	156	141																
234	232	228	222	214	206	197	186	165															
264	262	259	256	251	246	240	232	215	195														
	302	300	297	294	290	285	280	268	257	223	196												
		340	339	337	335	332	329	320	312	292	279	249	227										
			382	379	377	375	373	366	357	344	331	307	284	265									
					424	423	420	416	411	404	392	378	362	348	310								
							468	462	456	448	441	433	424	416	389	360							

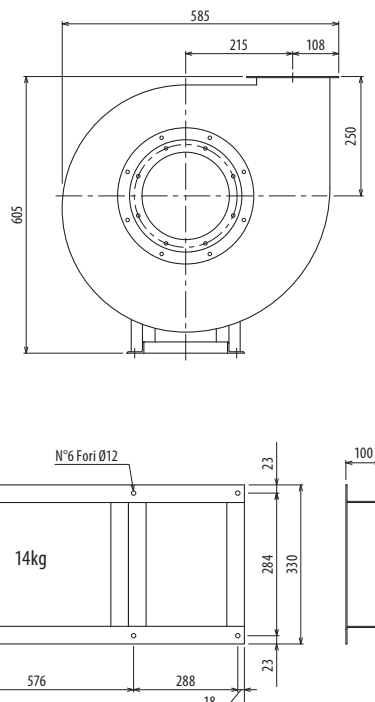
■ The A-weighted sound power level, LpA (Chap.14), is the value measured in test conditions at the point of maximum noise level.



Es. 4



Es. 1

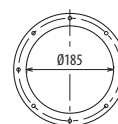


The fan is revolvable - The weight indicated in the table includes motor

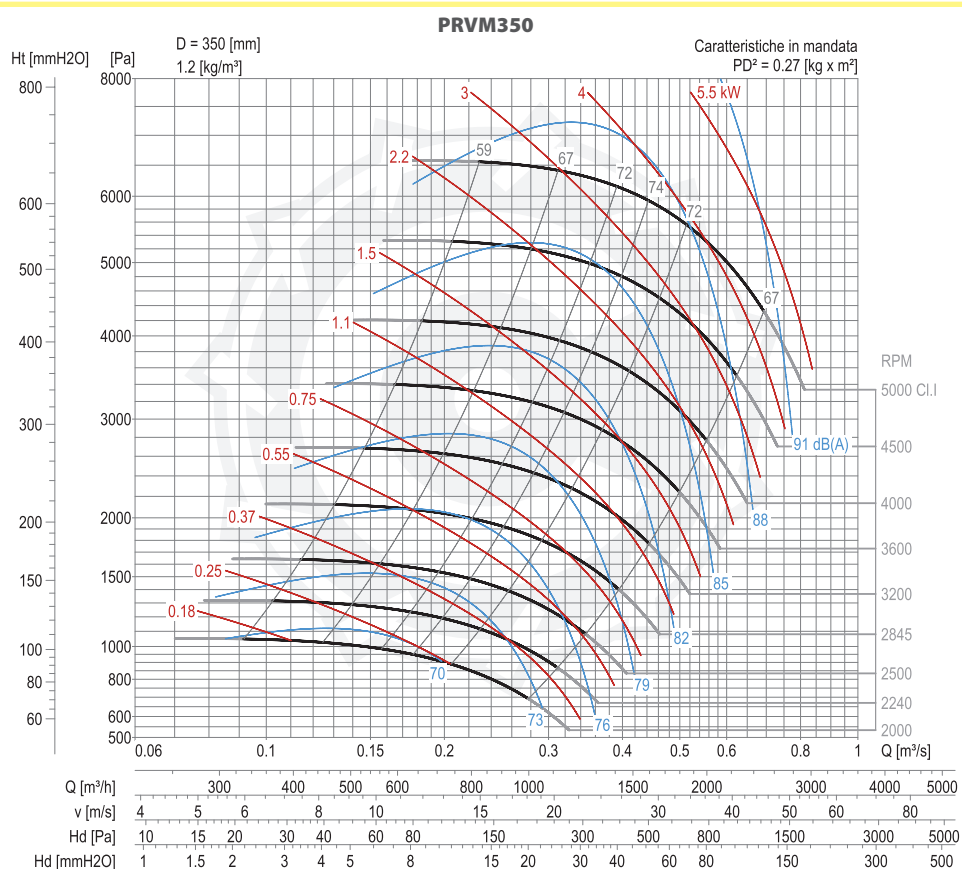
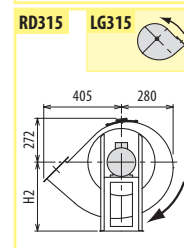
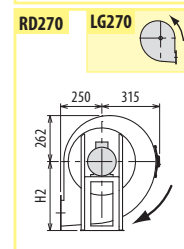
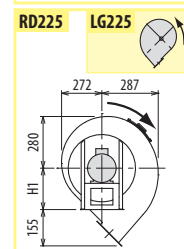
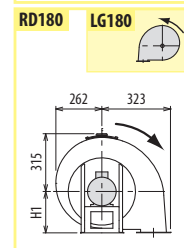
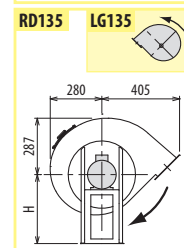
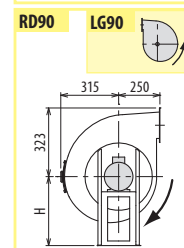
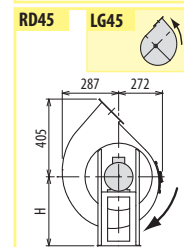
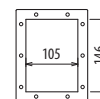
Further information and sizes

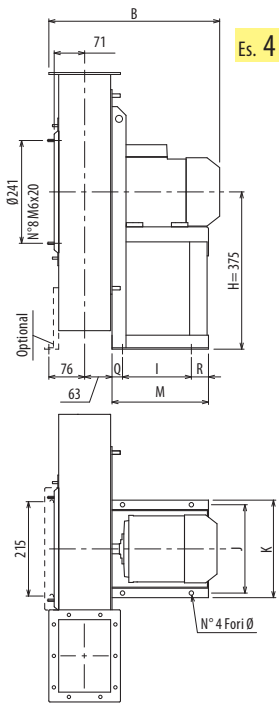
Type		Weight Kg	PD ² Kg x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø
Fan	Motor													
PRVM350/N2R	80 A2	35	0,21	377	121	355	250	355	203	225	217	48	48	10
PRVM350/N2	80 B2	36	0,27	377	121	355	250	355	203	225	217	48	48	10
PRVM350/N/T		35	0,27			355	250	355						

pg. / s.
4,6

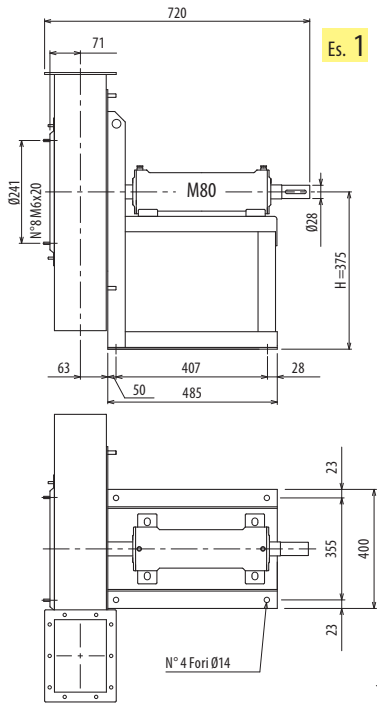


pg. / s.
4,5

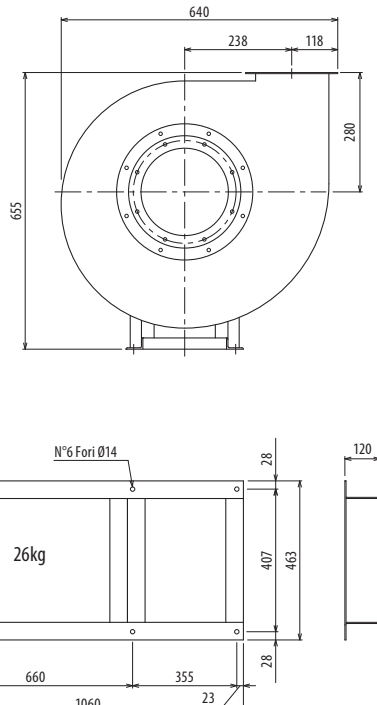




Es. 4



Es. 1

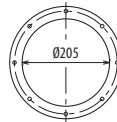


The fan is revolvable - The weight indicated in the table includes motor

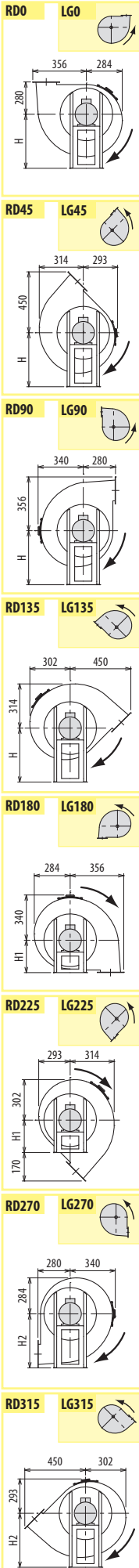
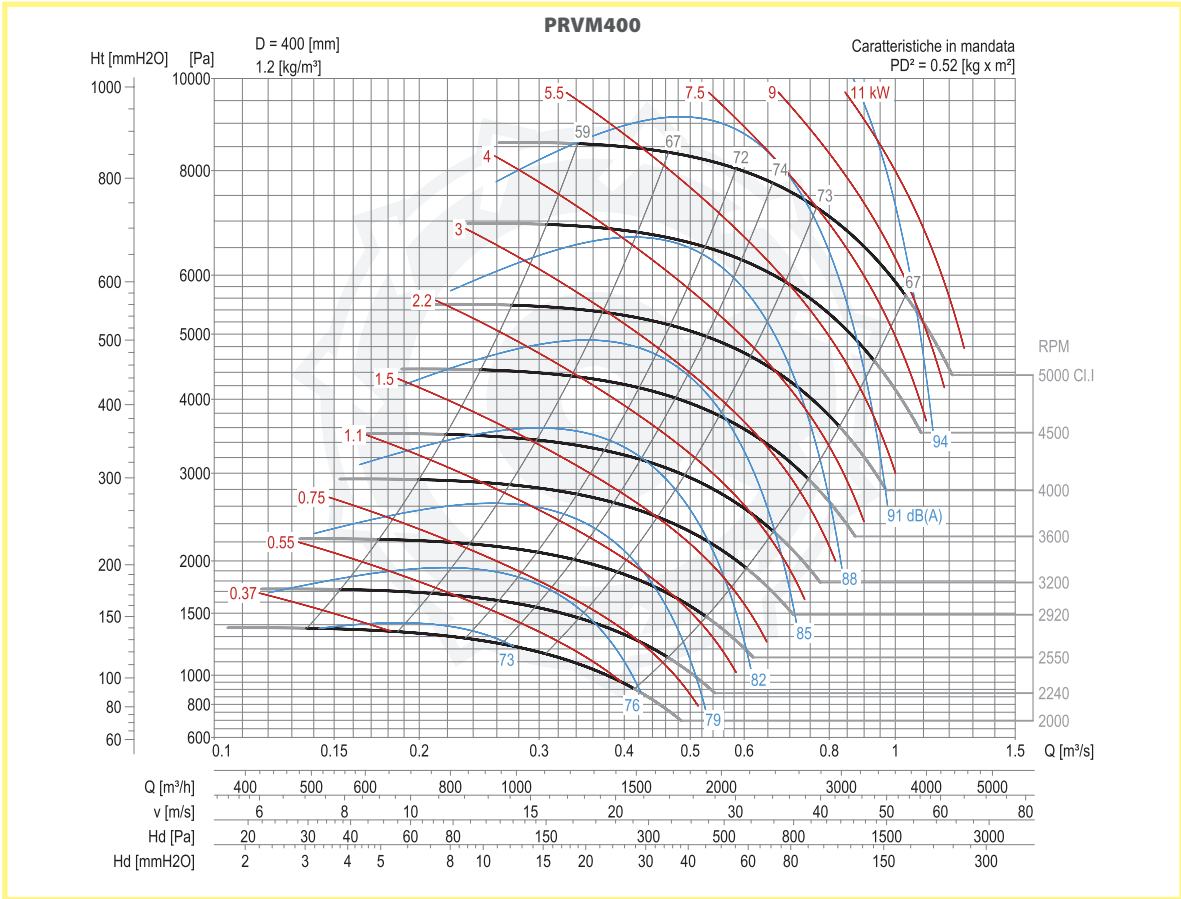
Further information and sizes

Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø
Fan	Motor													
PRVM400/N2R	90 S2	46	0,37	437	133	375	280	375	234	260	251	58	60	10
PRVM400/N2	90 L2	50	0,52	437	133	375	280	375	234	260	251	58	60	10
PRVM400/N/T		52	0,52			375	280	375						

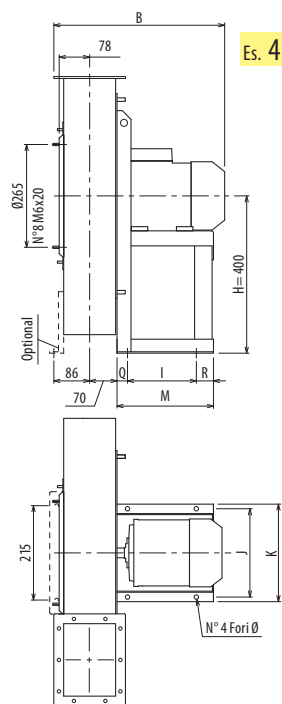
pg. / s.
4,6



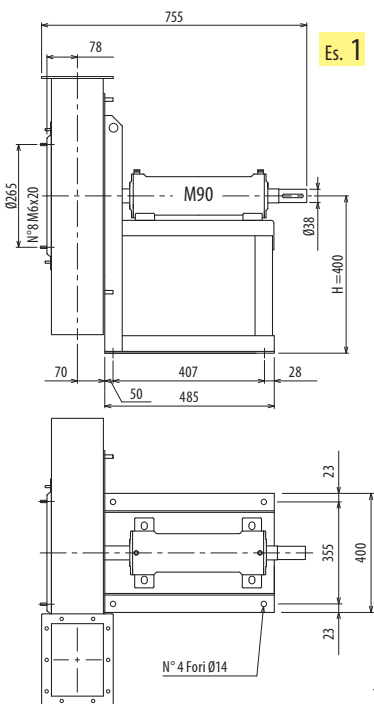
pg. / s.
4,5



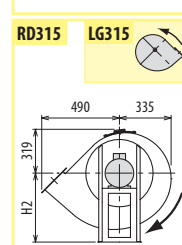
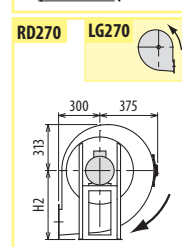
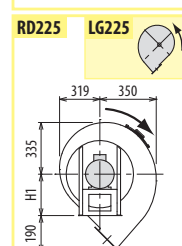
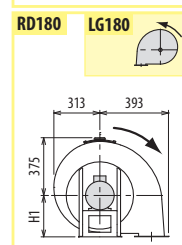
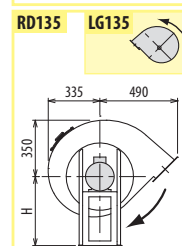
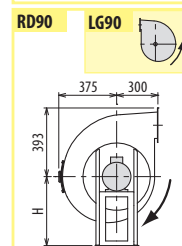
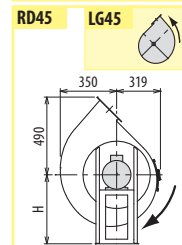
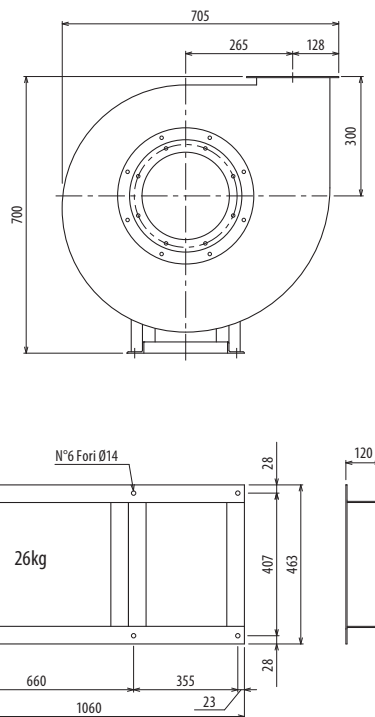
PRVM



Es. 4



Es. 1

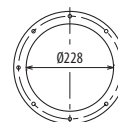


The fan is revolvable - The weight indicated in the table includes motor

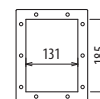
Further information and sizes

Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø
Fan	Motor													
PRVM450/N2R	100 L2	60	1,0	482	197	400	300	400	289	324	285	34	54	12
PRVM450/N2	112 M2	80	1,2	503	197	400	300	400	289	324	285	34	54	12
PRVM450/N/T		76	1,2			400	300	400						

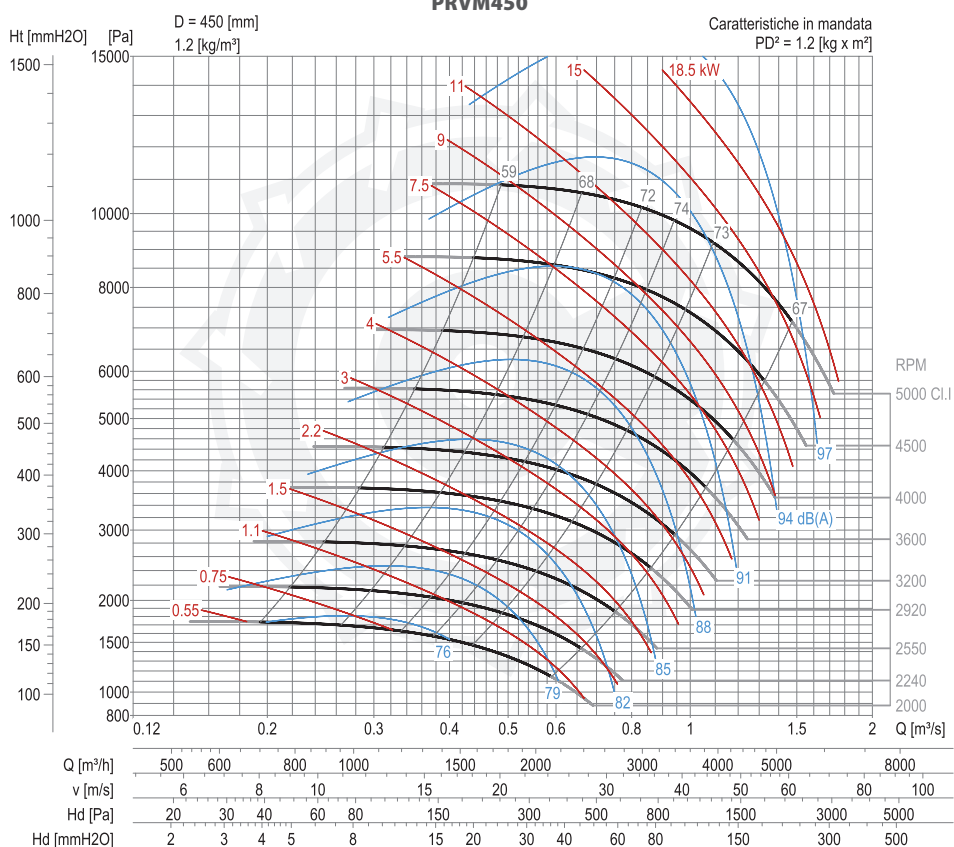
pg. / s.
4,6

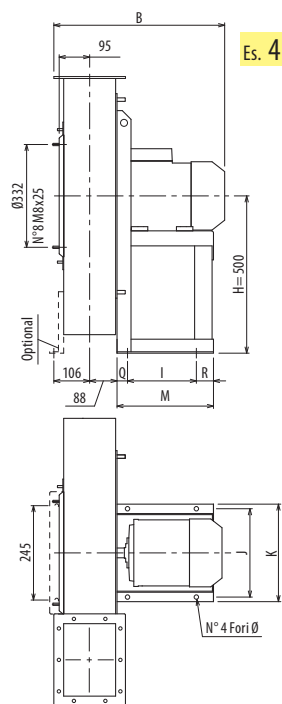


pg. / s.
4,5

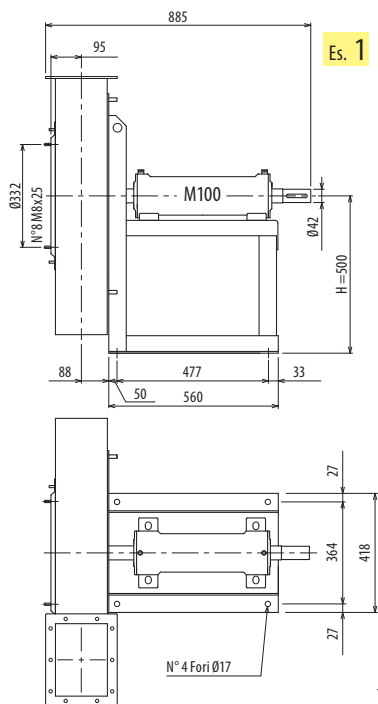


PRVM450

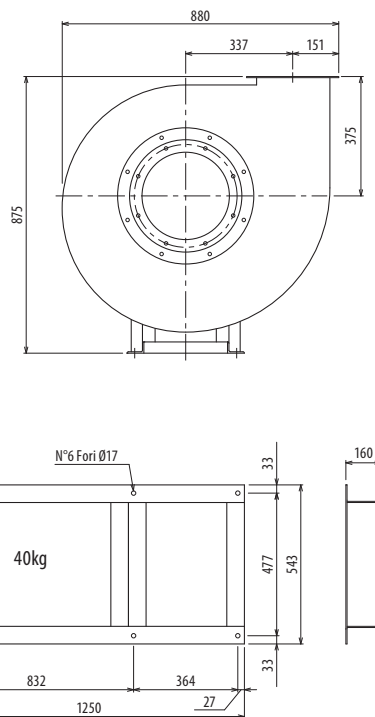




Es. 4



Es. 1

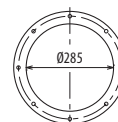


The fan is revolable - The weight indicated in the table includes motor

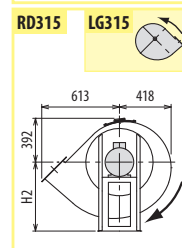
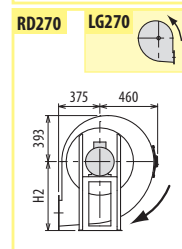
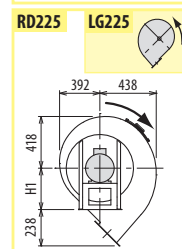
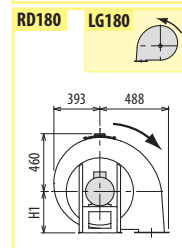
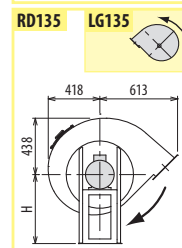
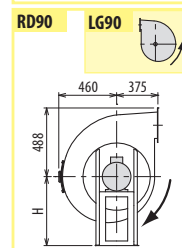
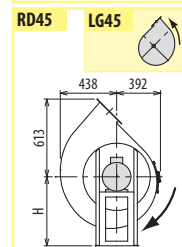
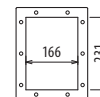
Further information and sizes

Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø
Fan	Motor													
PRVM560/N2R	132 SB2	122	2,5	579	237	500	375	500	337	372	345	44	64	12
PRVM560/N2	160 MA2	163	3,2	684	337	500	375	500	395	440	446	55	54	14
PRVM560/N/T		118	3,2			500	375	500						

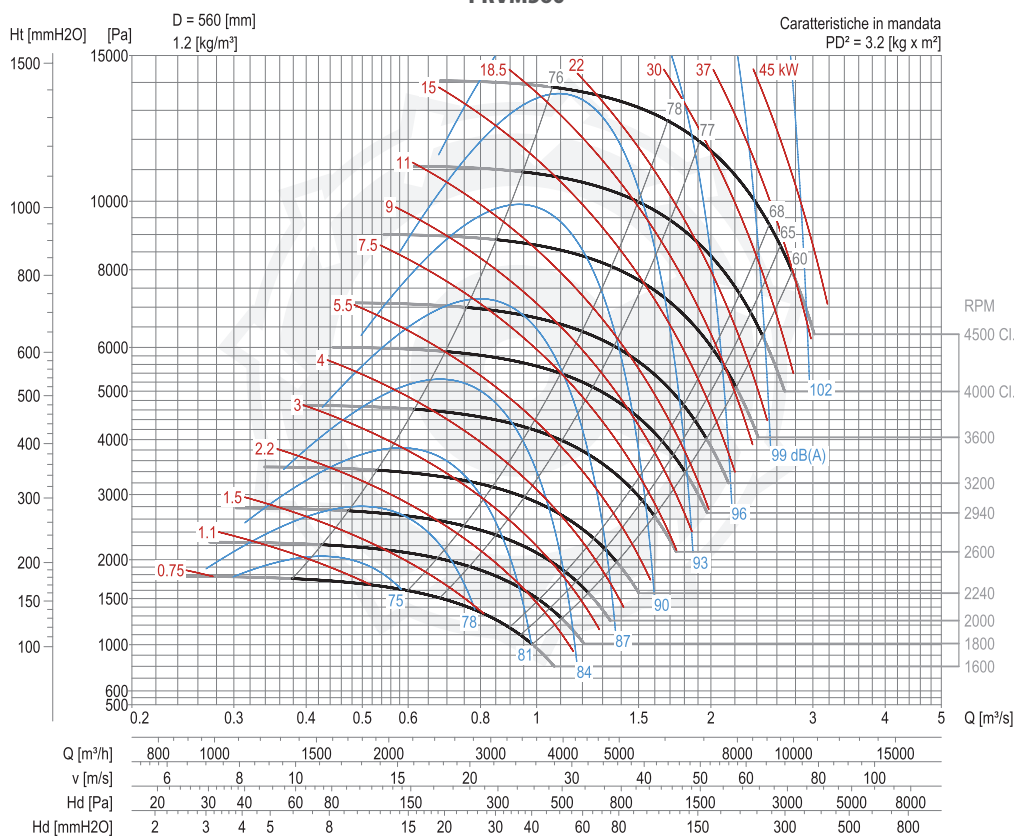
pg. / s.
4,6

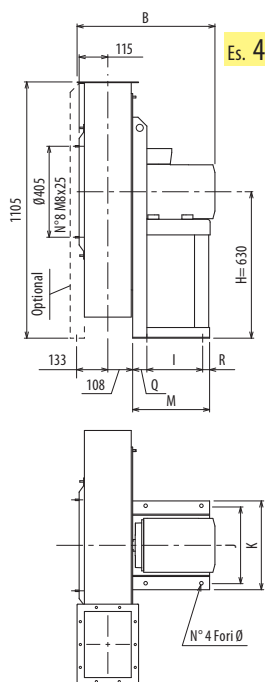


pg. / s.
4,5

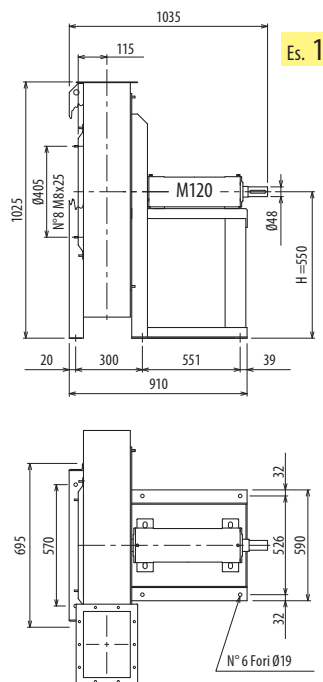


PRVM560

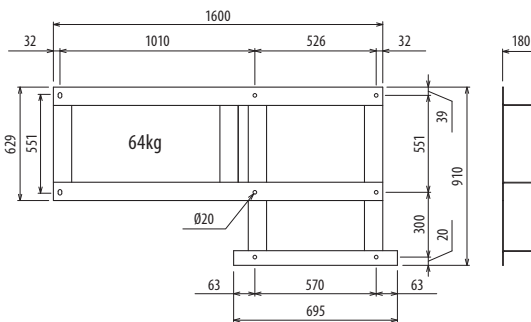
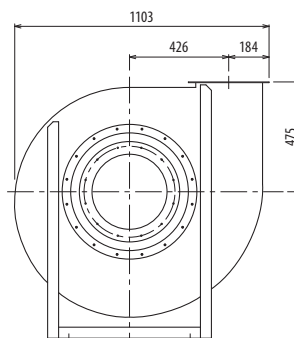




Es. 4



Es. 1



The fan in Ex. 4 without front support is revolvable, in Ex. 1 is not revolvable. The weight indicated in the table includes motor

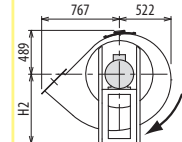
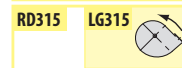
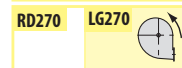
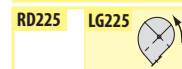
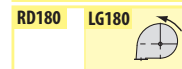
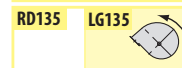
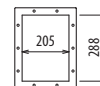
Further information and sizes

Type	Weight	PD ²												
Fan	Motor	Kg	Kg x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø
PRVM710/N2R	180 M2	300	7,1	809	357	630	475	630	434	488	460	70	33	17
PRVM710/N2	200 LA2	390	7,8	917	381	630	475	630	506	568	500	80	39	19
PRVM710/N2	200 LB2	390	7,8	917	381	630	475	630	506	568	500	80	39	19
PRVM710/N4R	112 M4	194	7	583	197	630	475	630	289	324	285	34	54	12
PRVM710/N4	132 S4	211	7,5	623	237	630	475	630	337	372	345	44	64	12
PRVM710/N/T		237	7,8			550	475	630						

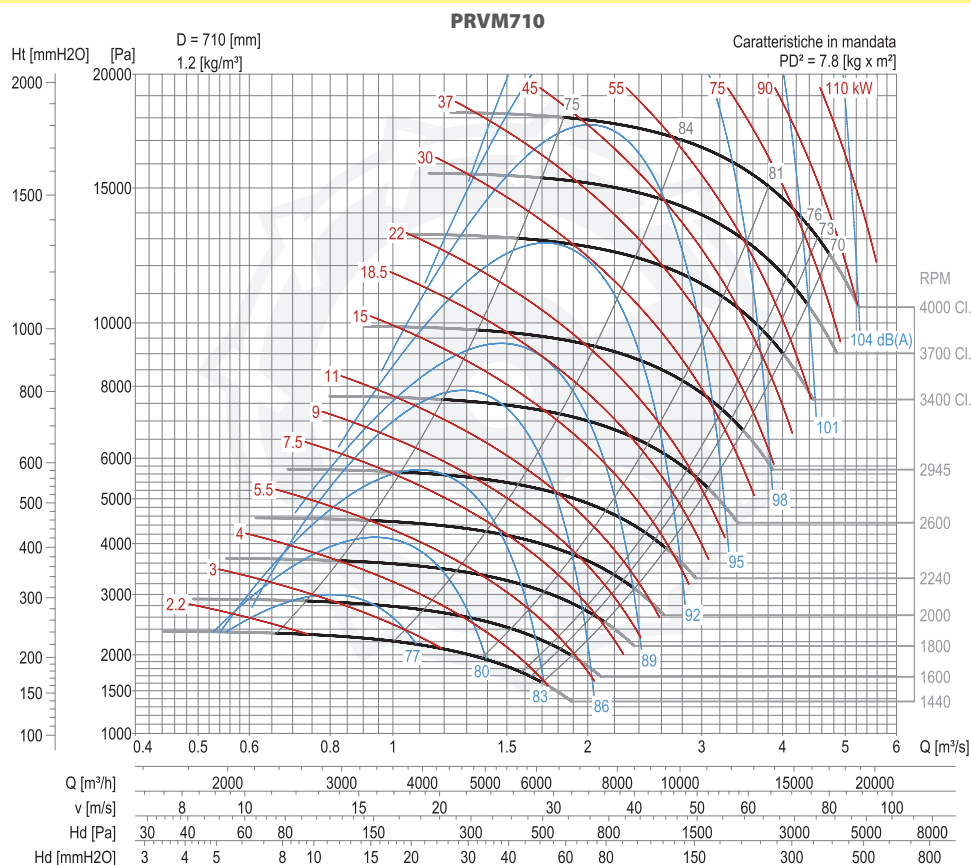
pg. / s.
4,6

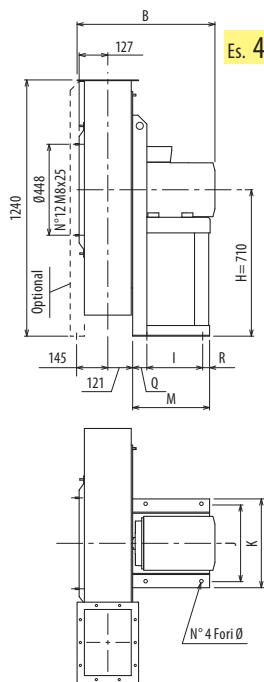


pg. / s.
4,5

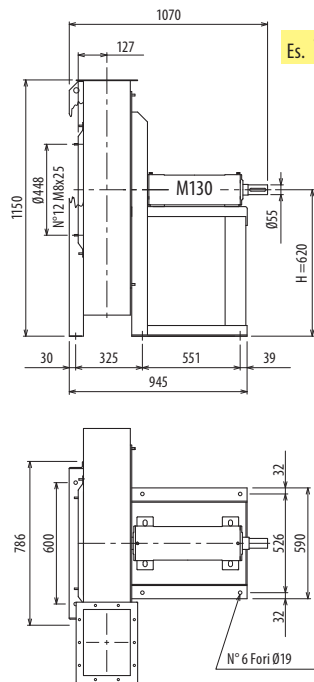


PRVM

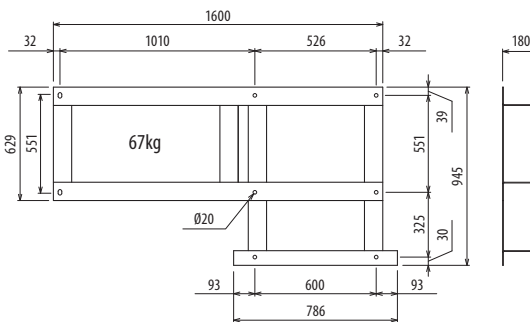
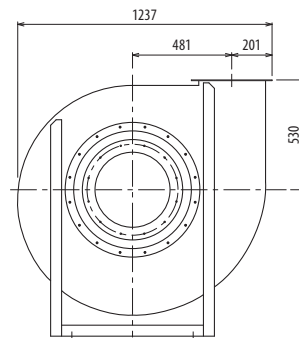




Es. 4



Es. 1

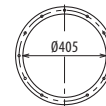


The fan in Ex. 4 without front support is revolvable, in Ex. 1 is not revolvable. • The weight indicated in the table includes motor

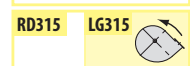
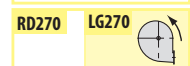
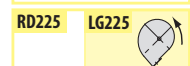
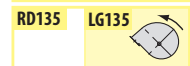
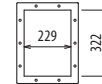
TIPO • Type		PESO Weight	PD ²	B	I	H	H1	H2	J	K	M	Q	R	Ø
VENTILATORE Fan	MOTORE Motor	Kg	Kgf x m ²											
PRVM800/N2R	225 M2	526	13	984	421	710	530	710	556	616	540	80	39	19
PRVM800/N2	250 M2	664	15	1092	501	710	530	710	604	690	600	60	39	19
PRVM800/N2	280 S2	794	15	1095	591	710	530	710	690	750	697	60	46	21
PRVM800/N4R	132 M4	255	12	648	237	710	530	710	337	372	336	40	59	12
PRVM800/N4	160 M4	286	14	753	337	710	530	710	395	440	436	50	49	14
PRVM800/N/T		285	15			620	530	710						

Further information and sizes:

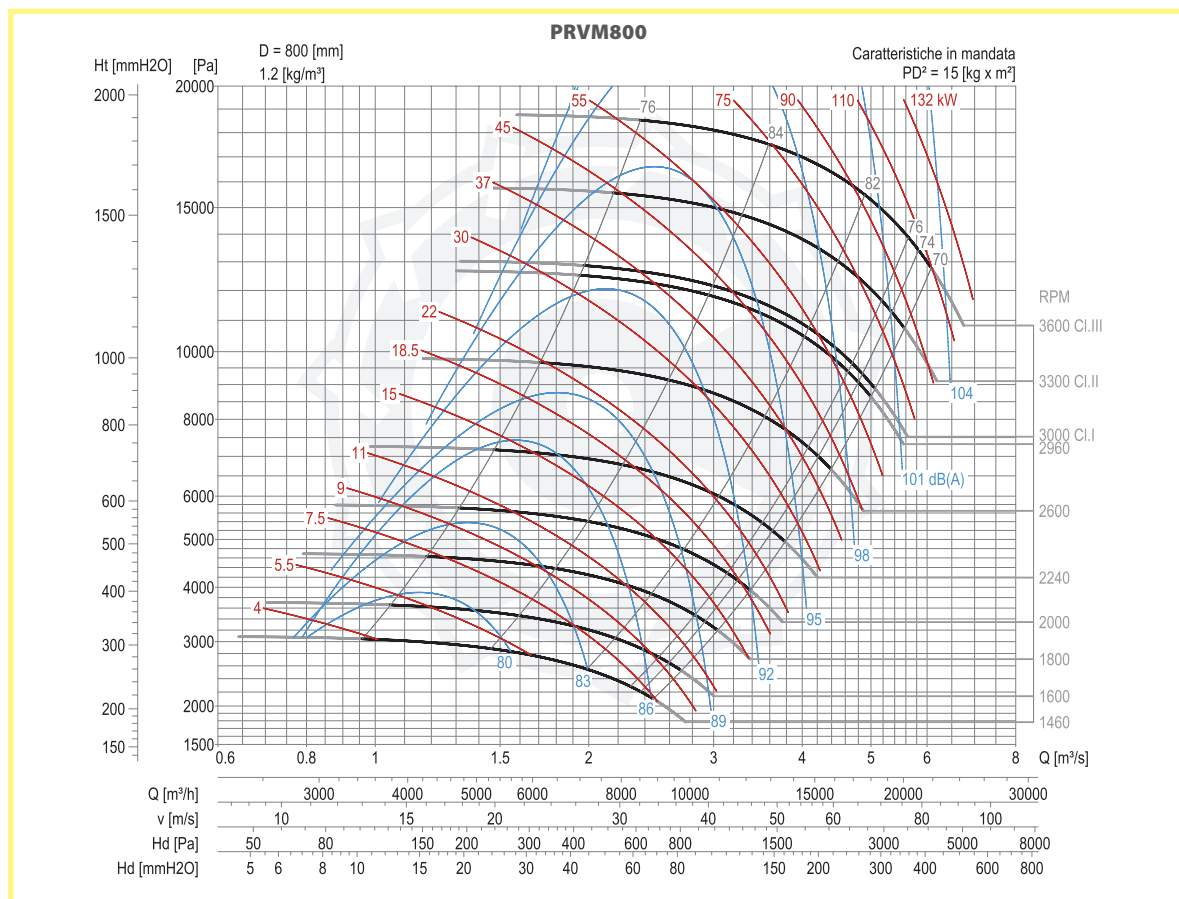
pg. / s. 4,6

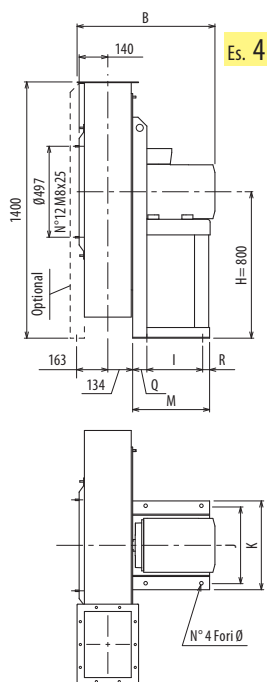


pg. / s. 4,5

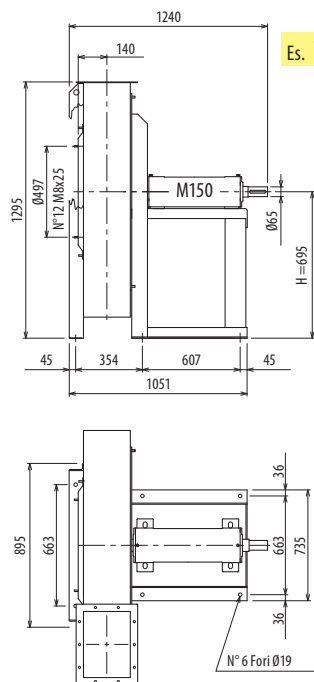


PRVM

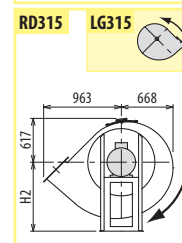
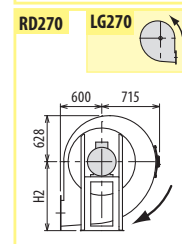
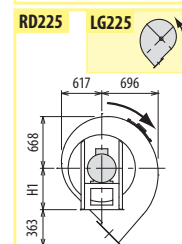
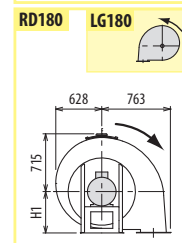
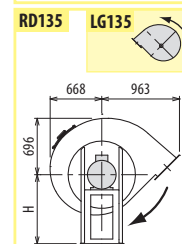
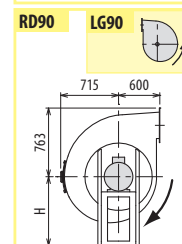
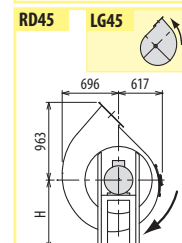
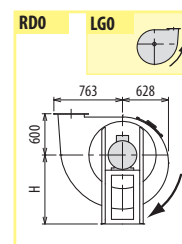
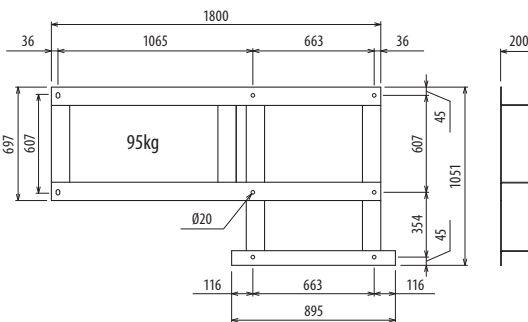
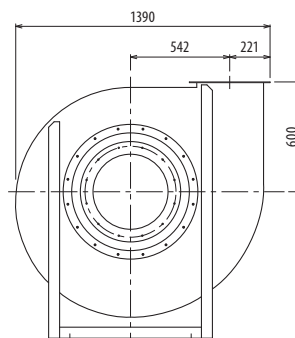




Es. 4



Es. 1



The fan in Ex. 4 without front support is revolvable, in Ex. 1 is not revolvable. - The weight indicated in the table includes motor

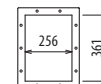
Further information and sizes:

Type		Weight	PD ²												
Fan	Motor	Kg	Kgf x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø	
PRVM900/N2R	280 S2	926	26	1122	591	800	600	800	690	750	697	60	46	21	
PRVM900/N2	280 M2	969	30	1122	591	800	600	800	690	750	697	60	46	21	
PRVM900/N2	315 S2	1109	30	1334	675	800	600	800	760	865	800	80	45	24	
PRVM900/N4R	160 M4	380	25	780	337	800	600	800	395	440	436	50	49	14	
PRVM900/N4	160 L4	401	29	780	337	800	600	800	395	440	436	50	49	14	
PRVM900/N/T		437	30			695	600	800							

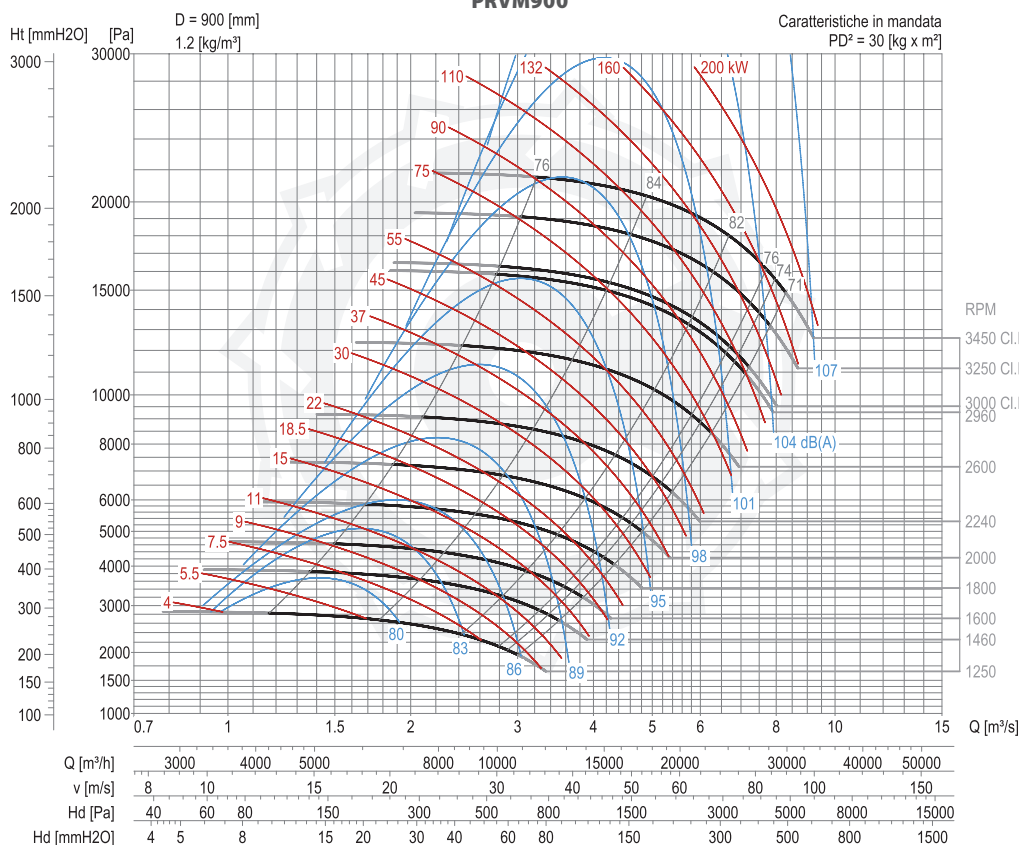
pg. / s. 4,6

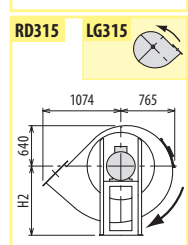
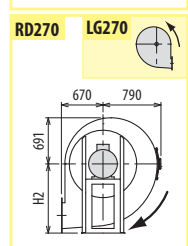
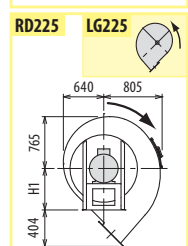
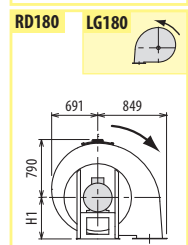
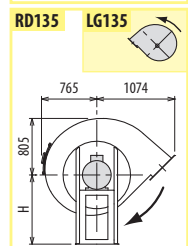
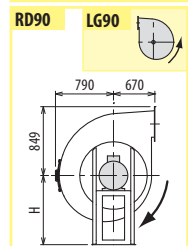
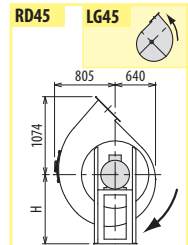
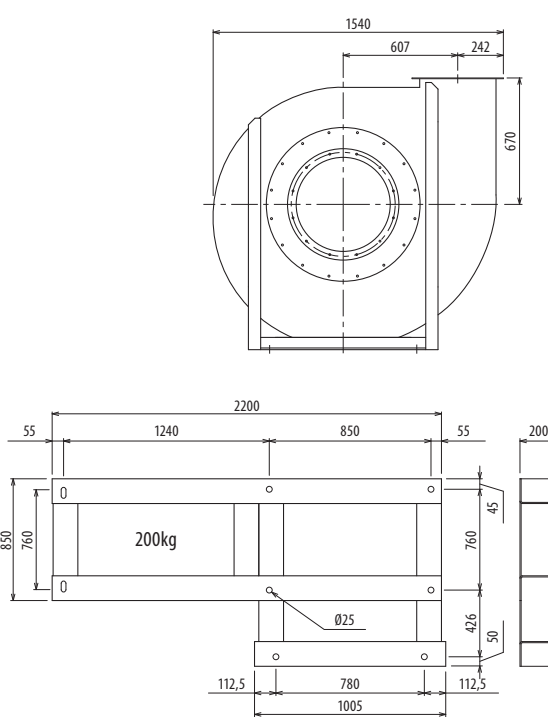
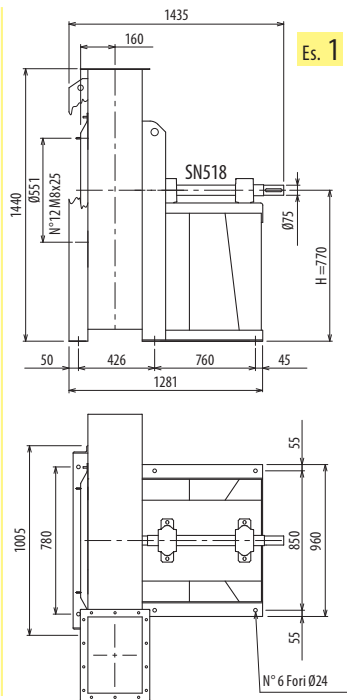
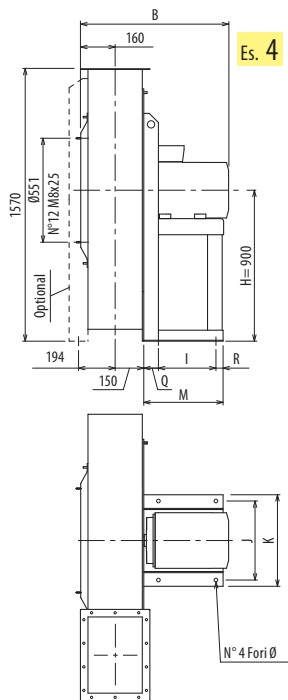


pg. / s. 4,5



PRVM900

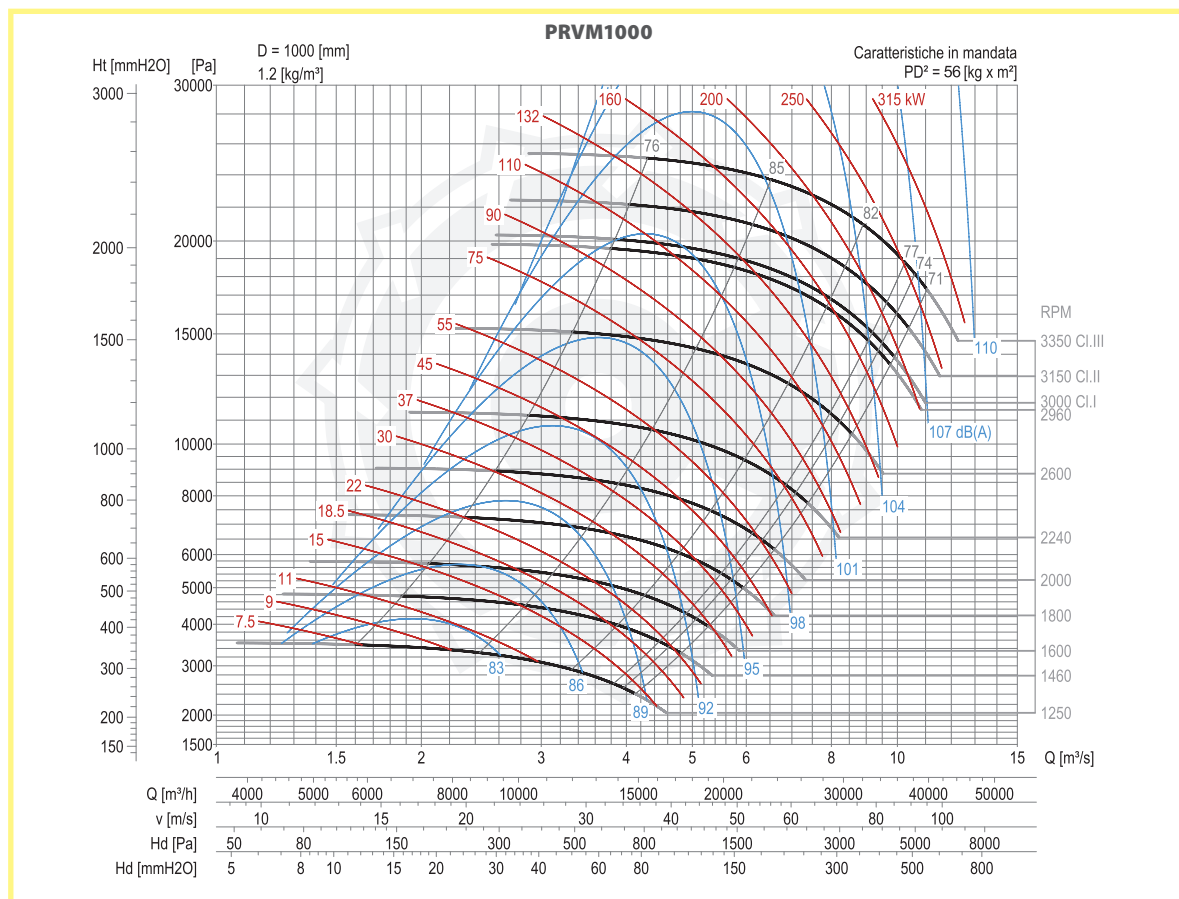
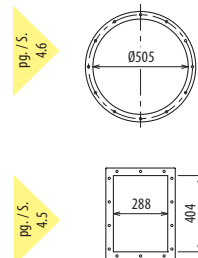


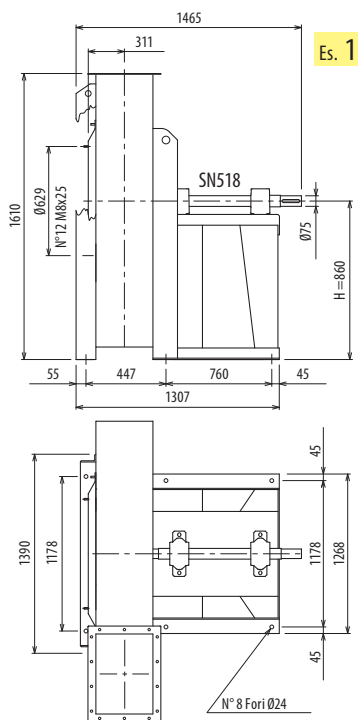


The fan in Ex. 4 without front support is revolvable, in Ex. 1 is not revolvable. - The weight indicated in the table includes motor

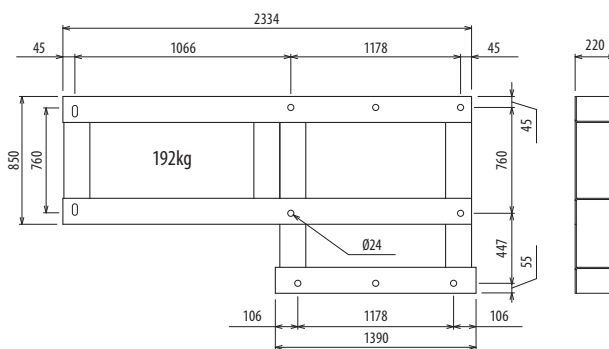
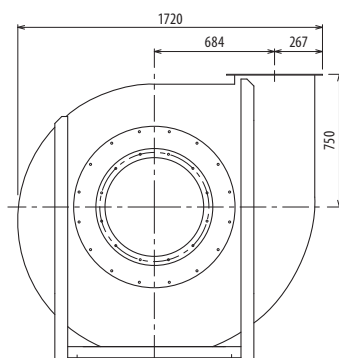
Type																
Fan	Motor	Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø		
PRVM1000/N2R	315 S2	1240	45	1366	675	900	670	900	760	865	800	80	45	24		
PRVM1000/N2R	315 M2	1400	45	1366	675	900	670	900	760	865	800	80	45	24		
PRVM1000/N2	315 L2	1460	56	1366	675	900	670	900	760	865	800	80	45	24		
PRVM1000/N2	315 L2	1660	56	1366	675	900	670	900	760	865	800	80	45	24		
PRVM1000/N4R	180 M4	620	45	893	357	900	670	900	434	488	460	70	33	17		
PRVM1000/N4	180 L4	640	56	944	357	900	670	900	434	488	460	70	33	17		
PRVM1000/N/T		690	56			770	670	900								

Further information and sizes:





Es. 1

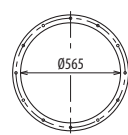


The fan is not revolable

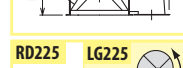
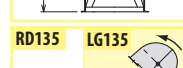
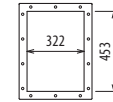
Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	H3	H4										
Fan	Motor																			
PRVM1120/N/T		738	90			860	750	1000	860	1000										

Further information and sizes:

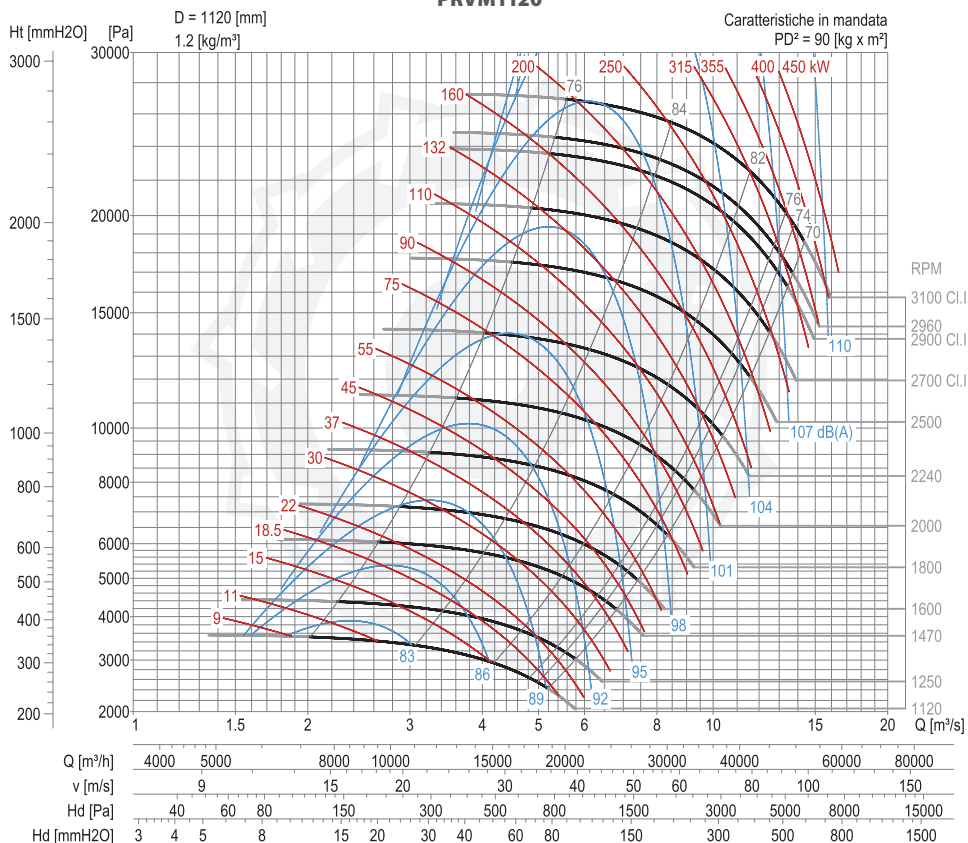
pg. / s.
4.6

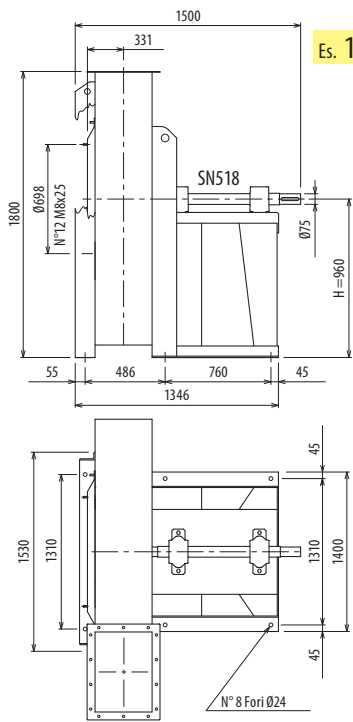


pg. / s.
4.5

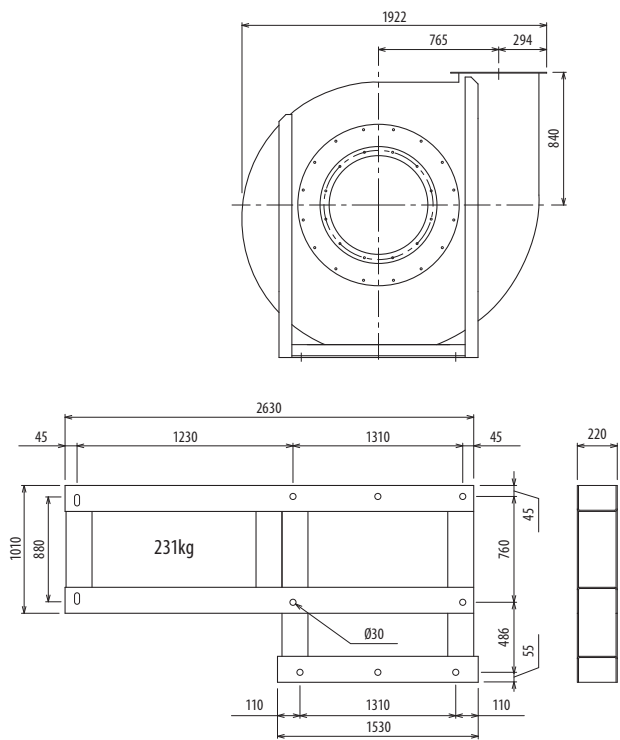


PRVM1120





Es. 1



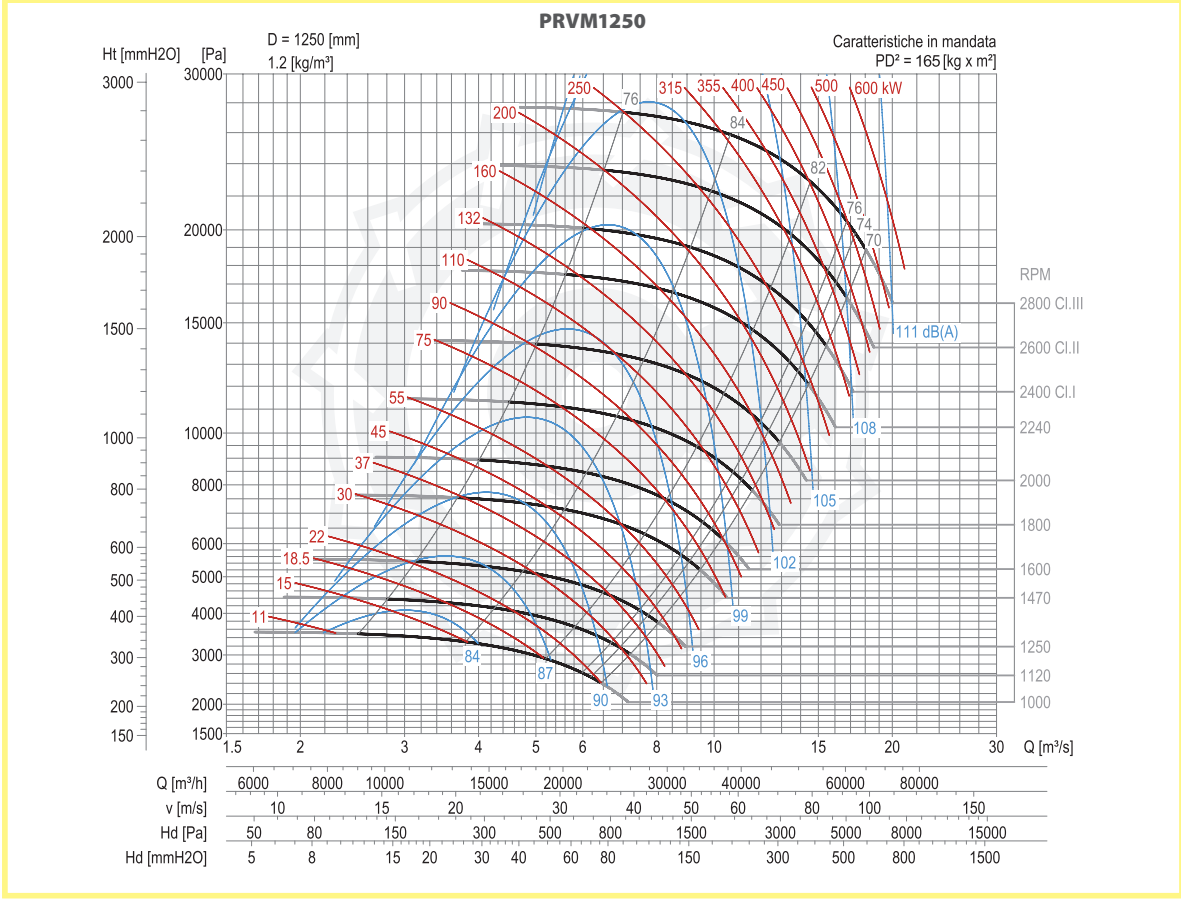
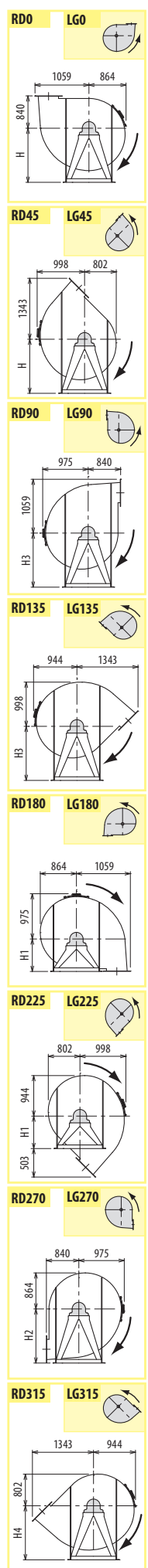
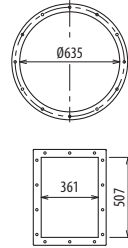
The fan is not revolable

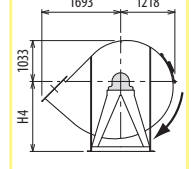
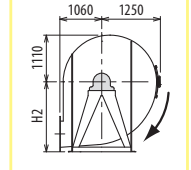
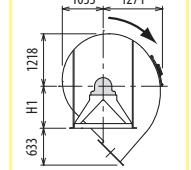
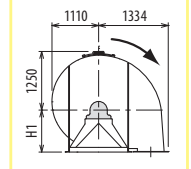
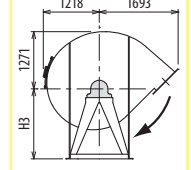
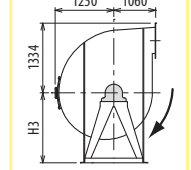
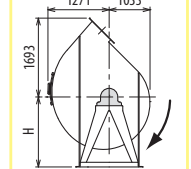
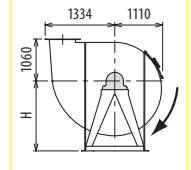
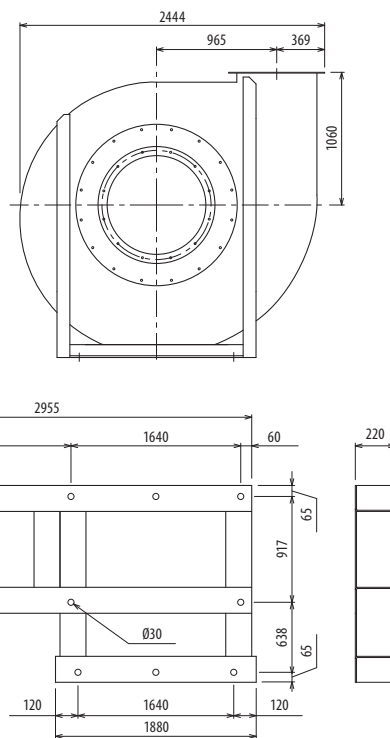
Type		Weight Kg	PD ² Kg x m ²	B	I	H	H1	H2	H3	H4										
Fan	Motor																			
PRVM1250/N/T		1105	165			960	840	1120	960	1120										

Further information and sizes:

pg. / s. 4,6

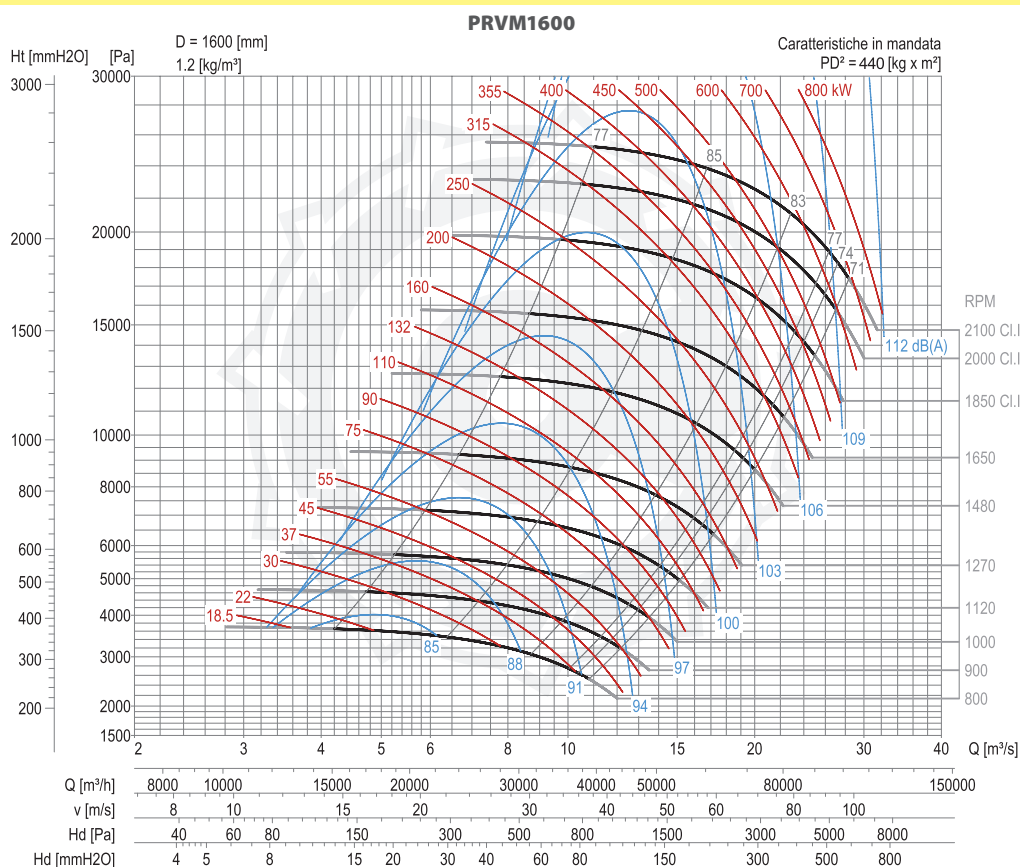
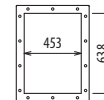
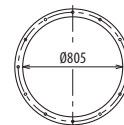
pg. / s. 4,5



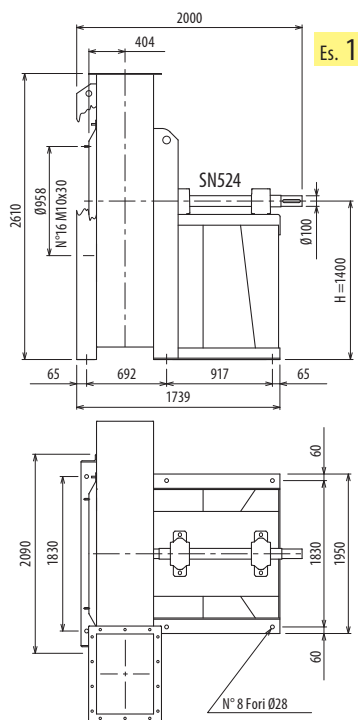


1

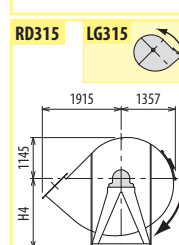
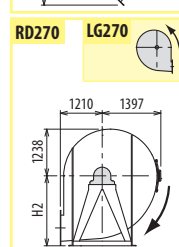
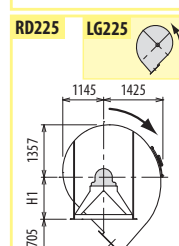
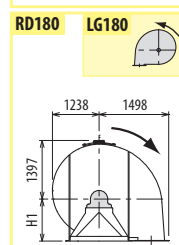
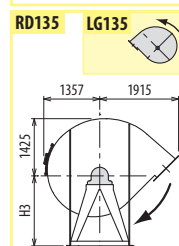
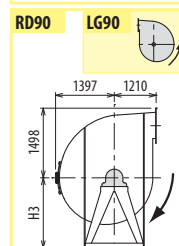
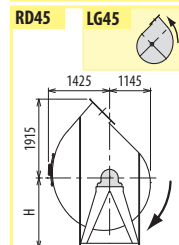
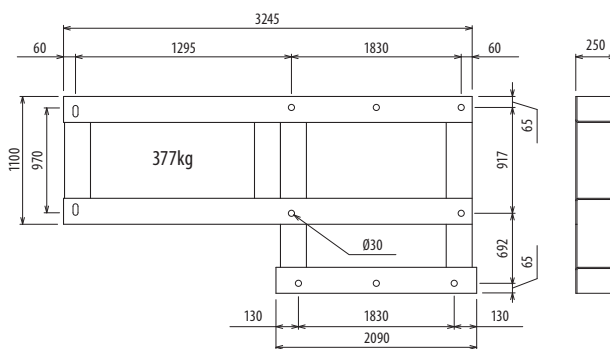
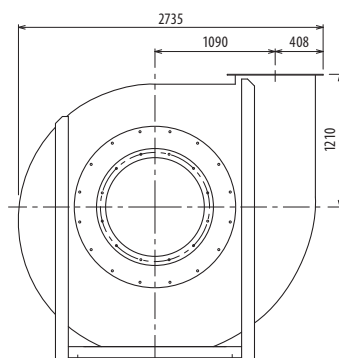
Further information and sizes:



PRVM



Es. 1

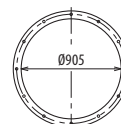


The fan is not revolable

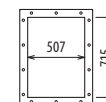
Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	H3	H4										
Fan	Motor																			
PRVM1800/N/T		2370	900			1400	1210	1550	1250	1400										

Further information and sizes:

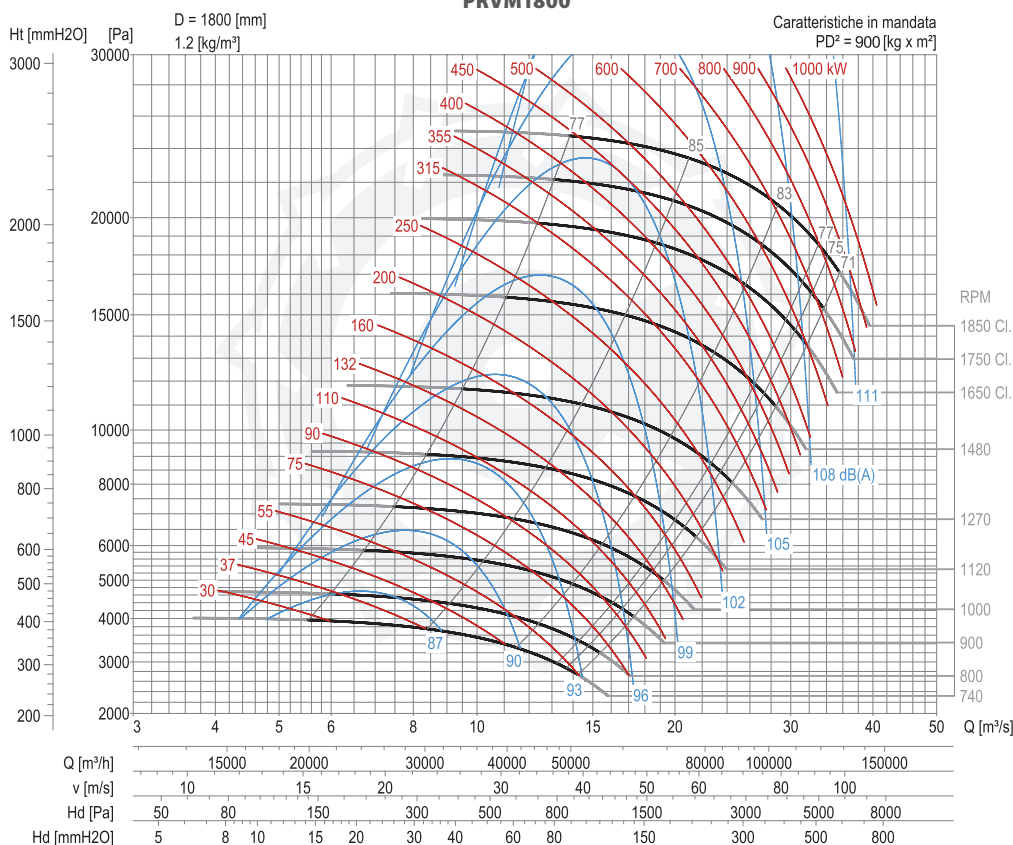
pg. / S.
4.6

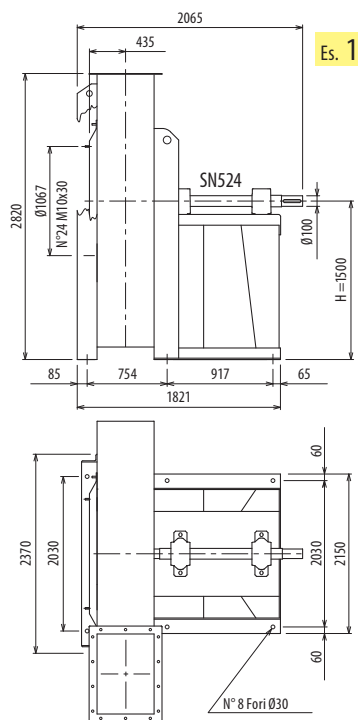


pg. / S.
4.5

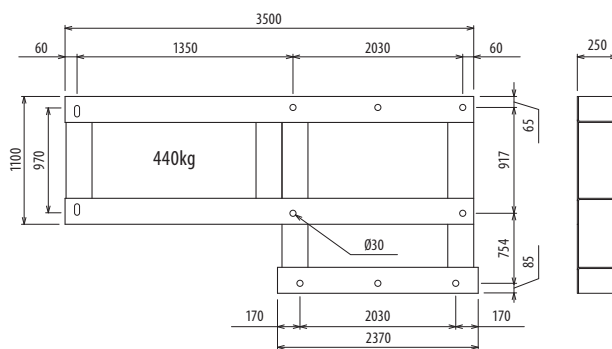
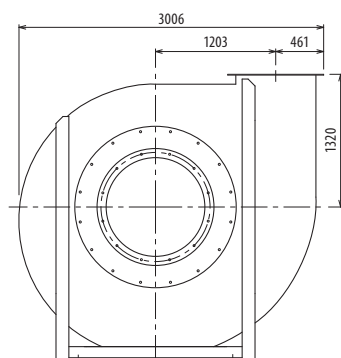


PRVM1800





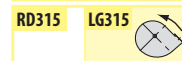
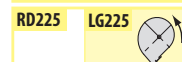
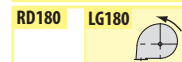
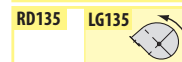
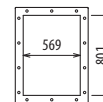
Es. 1



The fan is not revolable

Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	H3	H4										
Fan	Motor																			
PRVM2000/N/T		3064	1515			1500	1320	1800	1400	1600										

Further information and sizes:

pg. / s.
4,6pg. / s.
4,5

PRVM

