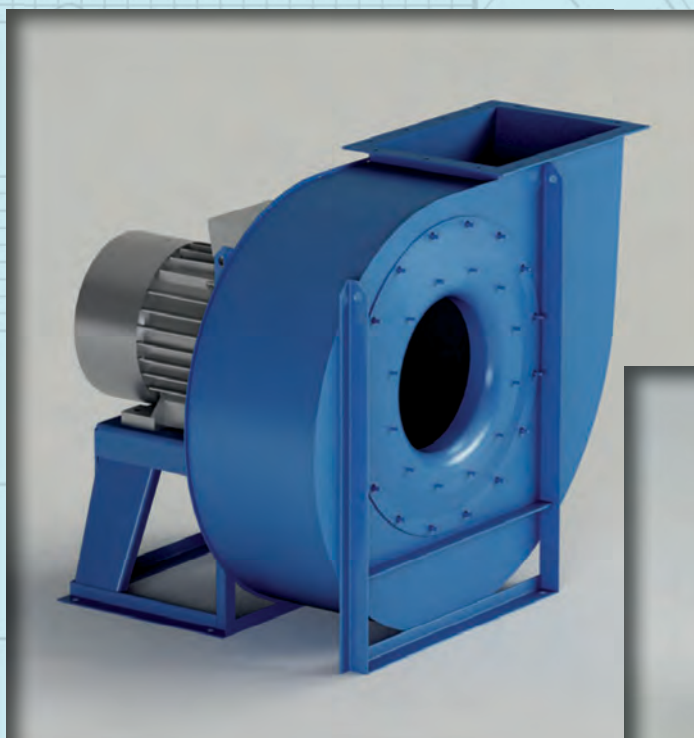


Mod. PRM

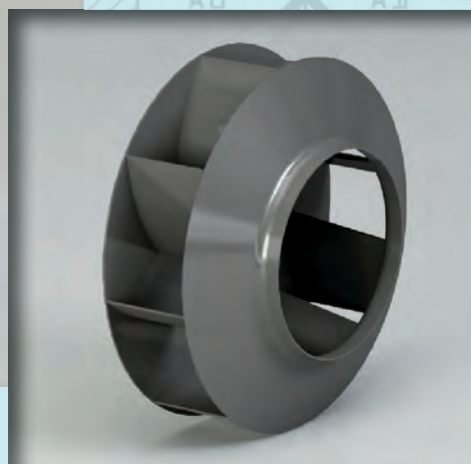


$Q = 360 \div 180000 \text{ m}^3/\text{h}$

$Q = 0.1 \div 50 \text{ m}^3/\text{s}$

$p_t = 50 \div 560 \text{ mmH}_2\text{O}$

$p_t = 500 \div 5500 \text{ Pa}$



• 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%

Field of operation

Low-medium-high flow rates. Medium-low pressures.

Blade type

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

Applications

For the inlet and transport of potentially very dusty air, sawdust, various chips, granular materials, with the exclusion of filaments.

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_{wA} [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 130-450, fixed orientation for sizes 500-1400. See pg. 2.7.

Special applications

See pgs. 2.20 to 2.34.

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

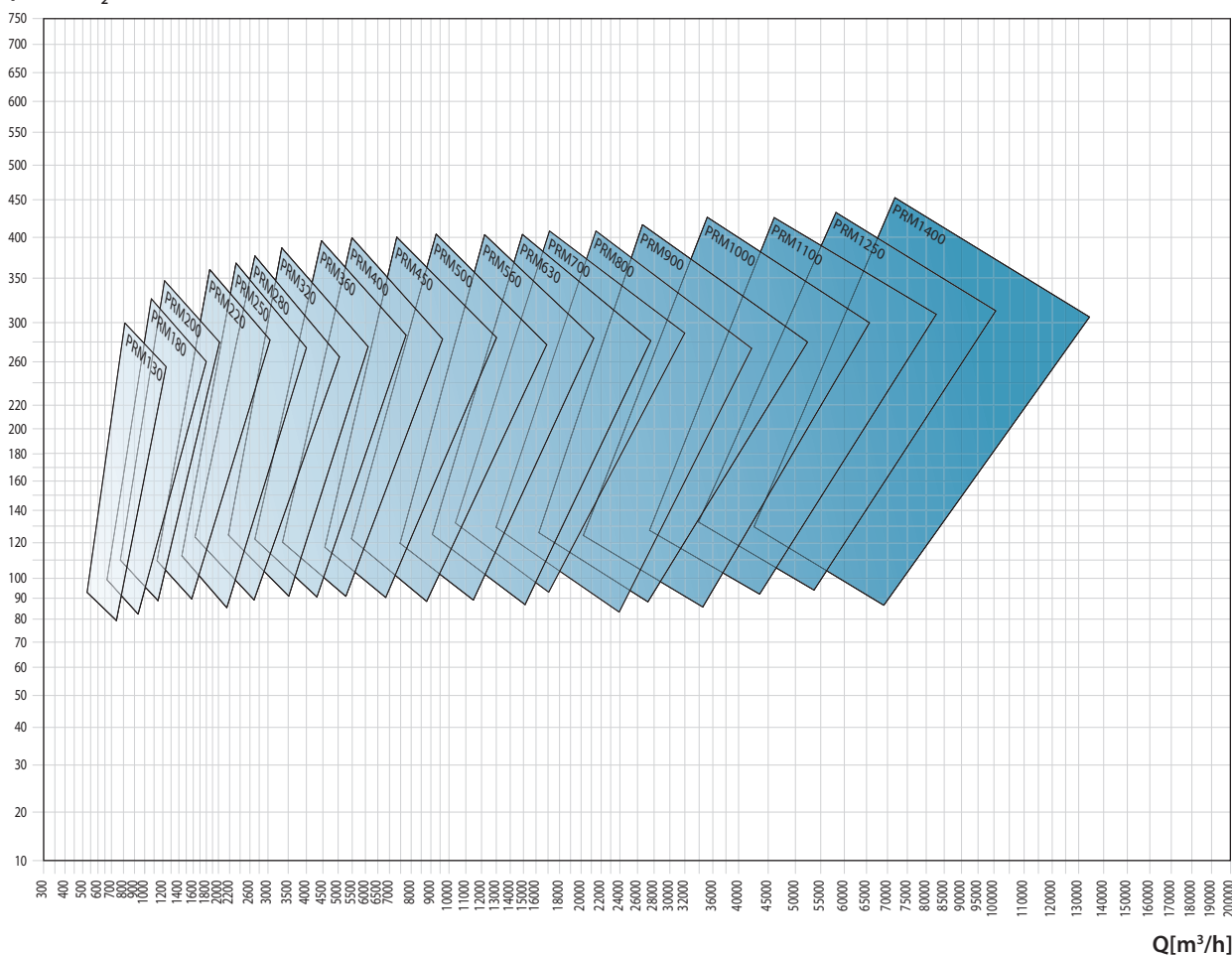
• Size

RPM MASSIMO *

• Max rpm

	CLASSE I	CLASSE II	CLASSE III
PRM130	5200	6300	
PRM180/R	5200	6300	
PRM180	5200	6300	
PRM200/R	5000	5600	
PRM200	5000	5600	
PRM220/R	4800	5200	
PRM220	4550	5000	
PRM250/R	4350	4700	
PRM250	4150	4500	
PRM280/R	3950	4250	
PRM280	3750	4000	
PRM320/R	3550	3800	
PRM320	3350	3600	
PRM360/R	3250	3500	
PRM360	3150	3400	
PRM400/R	3050	3250	3550
PRM400	2960	3150	3300
PRM450/R	2600	2960	3200
PRM450	2400	2800	3050
PRM500/R	2250	2700	2950
PRM500	2100	2500	2750
PRM560/R	2000	2400	2600
PRM560	1900	2200	2400
PRM630/R	1750	2100	2300
PRM630	1650	2000	2200
PRM700/R	1550	1850	2050
PRM700	1470	1700	1900
PRM800/R	1350	1600	1750
PRM800	1250	1485	1650
PRM900/R	1150	1350	1550
PRM900	1050	1250	1470
PRM1000/R	1000	1200	1350
PRM1000	950	1150	1300
PRM1100	900	1050	1200
PRM1250	950	1050	1150
PRM1400	850	950	1050

pt [mmH₂O]

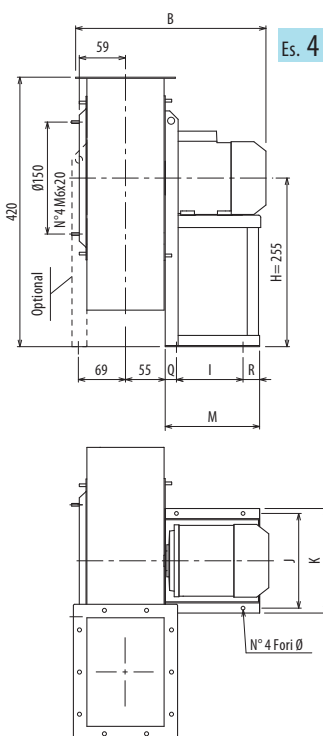


Type		P inst. [kW]	n	LpA [dB(A)]	Load tolerance ±5%																								
Fan	Motor				Q [m³/h]																								
					360	400	430	470	540	650	720	790	865	935	1080	1225	1370	1440	1620	1800	2160	2520	2880	3240	3600				
					pt[mmH ₂ O]																								
PRM130/2	63	0,18	2820	54	71	70	69	67	64	57	52	45																	
PRM180/2R	63	0,25	2820	57			85	84	83	79	76	71	66	61	48														
PRM180/2	71	0,37	2820	59				98	96	93	91	88	85	82	72	60	44												
PRM200/2R	71	0,55	2850	61					110	109	108	106	104	102	96	88	77	72	53										
PRM200/2	80	0,75	2850	61						123	122	121	120	118	114	109	102	98	86	70									
PRM220/2R	80	1,1	2920	65									156	154	151	148	144	141	135	127	106	74							
PRM220/2	90	1,5	2920	65										166	163	159	156	154	149	143	126	101							
PRM250/2R	90	1,5	2920	63												190	190	190	189	187	180								
PRM250/2	90	2,2	2920	68														207	207	207	203	195	183	168	148				
PRM280/2R	100	3	2940	70																277	274	266	255	241	223				
PRM280/2	112	4	2940	71																292	290	284	275	263	248				
PRM320/2R	132	5,5	2940	74																			339	337	332				
PRM320/2	132	7,5	2940	73																				356	353				
PRM360/2R	160	11	2950	77																									
PRM360/2	160	15	2950	77																									
PRM400/2R	160	18,5	2960	81																									
PRM400/2	180	22	2960	81																									
PRM360/4R	90	1,1	1420	62															89	88	87	83	78	72					
PRM360/4	90	1,5	1420	64																95	94	93	90	85					
PRM400/4R	100	2,2	1420	66																			113	112	110				
PRM400/4	100	3	1420	67																			121	121	120				
PRM450/4R	112	4	1440	69																					143				
PRM450/4	132	5,5	1460	70																									
PRM500/4R	132	7,5	1460	72																									
PRM500/4	160	11	1460	74																									
PRM560/4R	160	15	1460	75																									
PRM560/4	180	18,5	1460	76																									
PRM630/4R	200	30	1465	78																									
PRM630/4	225	37	1470	78																									
PRM700/4R	225	45	1470	80																									
PRM700/4	250	55	1485	82																									
PRM800/4R	280	75	1490	83																									
PRM800/4	280	90	1490	84																									
PRM560/6R	132	4	955	66																									
PRM560/6	132	5,5	960	68																									
PRM630/6R	160	7,5	970	70																									
PRM630/6	160	11	970	71																									
PRM700/6R	180	15	980	73																									
PRM700/6	200	18,5	985	73																									
PRM800/6R	200	22	985	74																									
PRM800/6	225	30	985	76																									
PRM900/6R	250	37	990	78																									
PRM900/6	280	45	990	78																									
PRM1000/6R	280	55	990	80																									
PRM1000/6	315	75	995	81																									

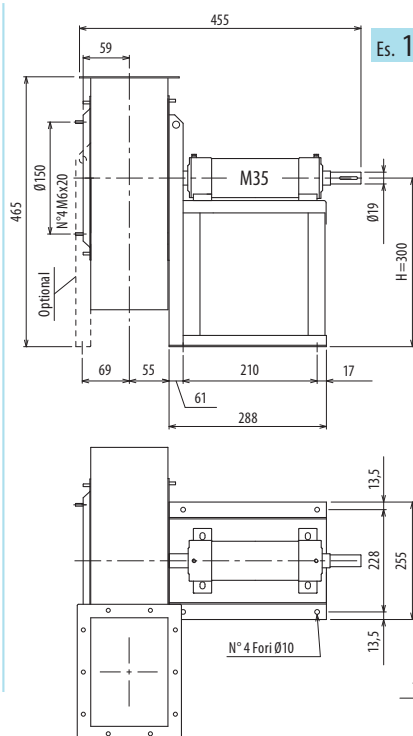
■ The A-weighted sound power level, L_{pA} (Chap.14), is the value measured in test conditions at the point of maximum noise level.

Type		P inst. [kW]	n	LpA [dB(A)]	Load tolerance ±5%																										
Fan	Motor				Q [m³/h]																										
					360	400	430	470	540	650	720	790	865	935	1080	1225	1370	1440	1620	1800	2160	2520	2880	3240	3600						
					pt[mmH ₂ O]																										
PRM130/2	63	0,18	2820	54	70	69	68	66	63	56	51	44																			
PRM180/2R	63	0,25	2820	57			85	84	83	79	76	72	67	62	50																
PRM180/2	71	0,37	2820	59				97	96	93	91	88	86	83	73	62	47														
PRM200/2R	71	0,55	2850	61					109	108	108	106	104	102	97	89	79	74	56												
PRM200/2	80	0,75	2850	61						122	121	120	120	118	114	110	103	100	88	73											
PRM220/2R	80	1,1	2920	65									154	152	150	147	144	141	135	128	109	79									
PRM220/2	90	1,5	2920	65										164	161	158	155	153	149	144	128	105									
PRM250/2R	90	1,5	2920	63												187	188	188	187	185	179										
PRM250/2	90	2,2	2920	68														204	204	205	202	195	184	169	152						
PRM280/2R	100	3	2940	70																271	269	262	252	239	223						
PRM280/2	112	4	2940	71																285	284	279	271	260	247						
PRM320/2R	132	5,5	2940	74																			330	329	324						
PRM320/2	132	7,5	2940	73																				346	344						
PRM360/2R	160	11	2950	77																											
PRM360/2	160	15	2950	77																											
PRM400/2R	160	18,5	2960	81																											
PRM400/2	180	22	2960	81																											
PRM360/4R	90	1,1	1420	62																89	88	87	83	79	73						
PRM360/4	90	1,5	1420	64																	95	94	93	90	86						
PRM400/4R	100	2,2	1420	66																			112	112	110						
PRM400/4	100	3	1420	67																			120	120	120						
PRM450/4R	112	4	1440	69																					142						
PRM450/4	132	5,5	1460	70																											
PRM500/4R	132	7,5	1460	72																											
PRM500/4	160	11	1460	74																											
PRM560/4R	160	15	1460	75																											
PRM560/4	180	18,5	1460	76																											
PRM630/4R	200	30	1465	78																											
PRM630/4	225	37	1470	78																											
PRM700/4R	225	45	1470	80																											
PRM700/4	250	55	1485	82																											
PRM800/4R	280	75	1490	83																											
PRM800/4	280	90	1490	84																											
PRM560/6R	132	4	955	66																											
PRM560/6	132	5,5	960	68																											
PRM630/6R	160	7,5	970	70																											
PRM630/6	160	11	970	71																											
PRM700/6R	180	15	980	73																											
PRM700/6	200	18,5	985	73																											
PRM800/6R	200	22	985	74																											
PRM800/6	225	30	985	76																											
PRM900/6R	250	37	990	78																											
PRM900/6	280	45	990	78																											
PRM1000/6R	280	55	990	80																											
PRM1000/6	315	75	995	81																											

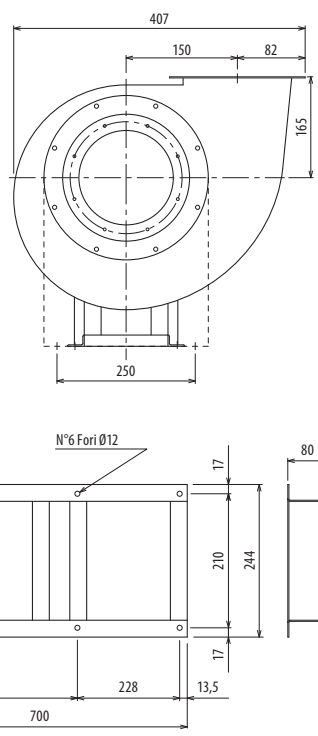
■ The A-weighted sound power level, L_{pA} (Chap.14), is the value measured in test conditions at the point of maximum noise level.



Es. 4



Es. 1



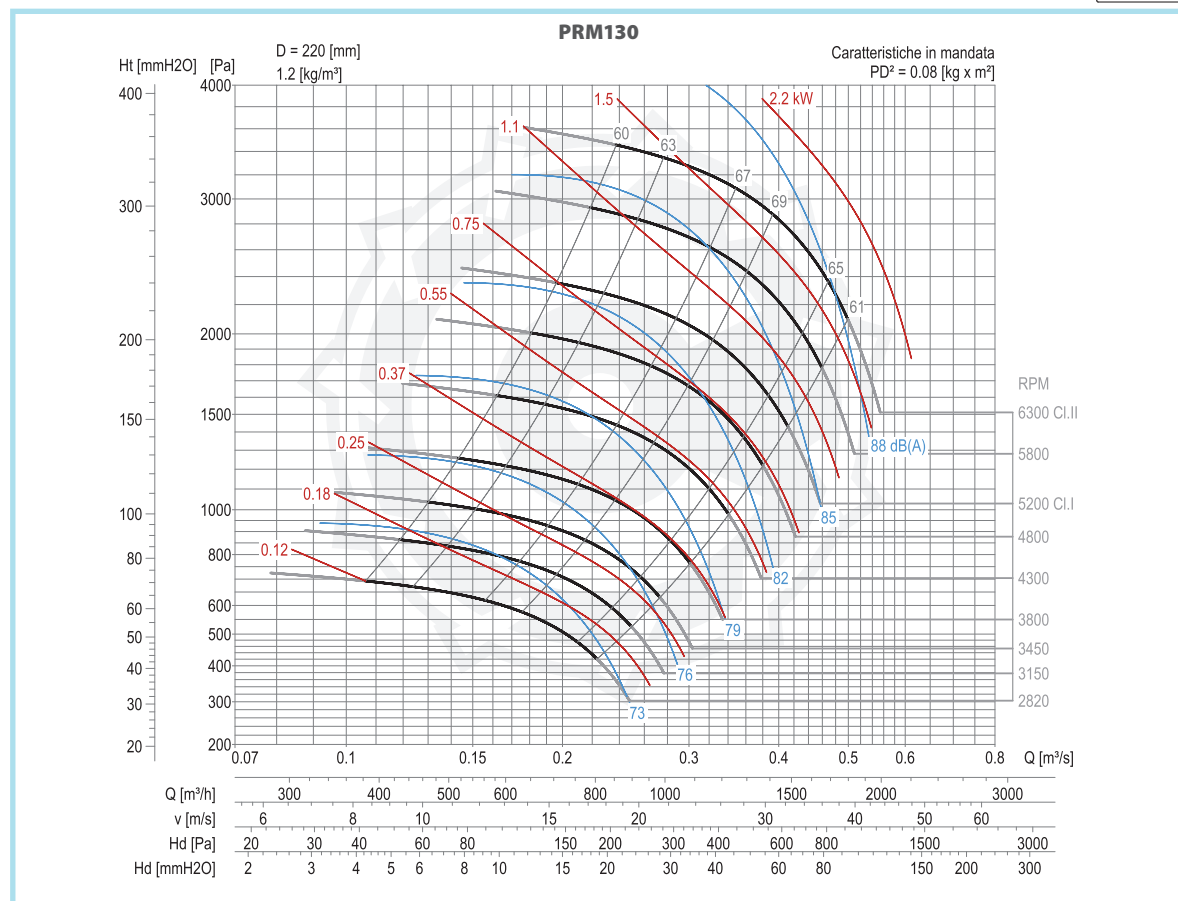
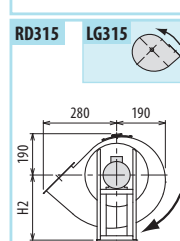
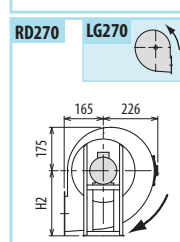
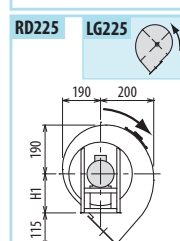
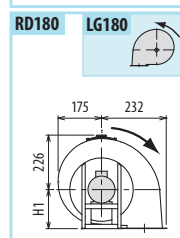
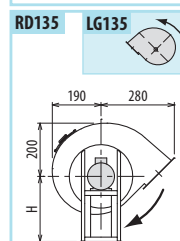
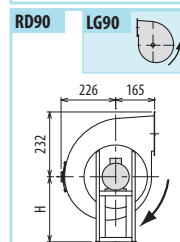
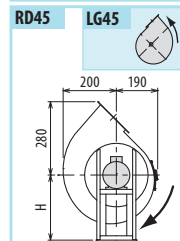
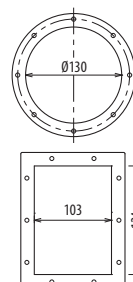
The fan is revolvable - The weight indicated in the table includes motor

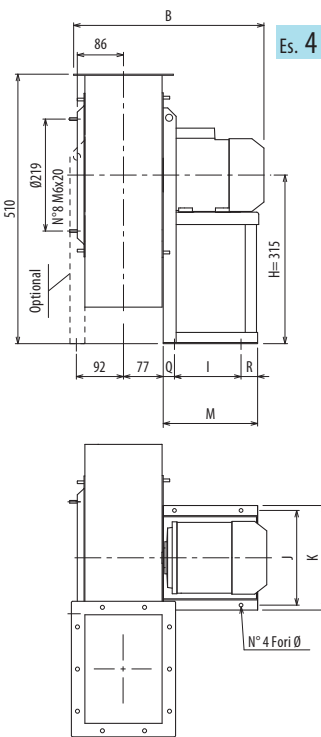
Further information and sizes

Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø
Fan	Motor													
PRM130/2	63 A2	18	0,08	307	86	255	165	255	184	206	150	48	16	10
PRM130/T		20	0,08			300	180	300						

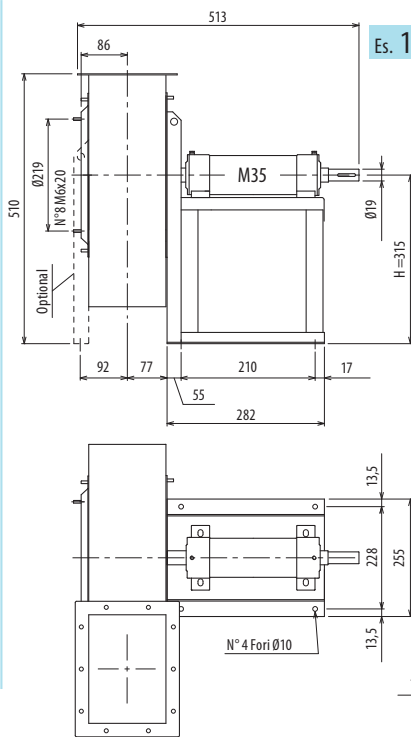
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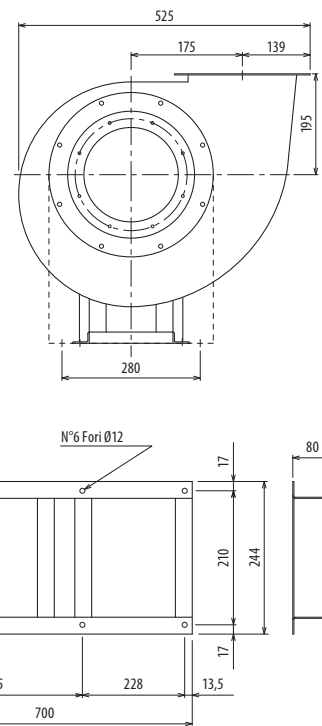




Es. 4



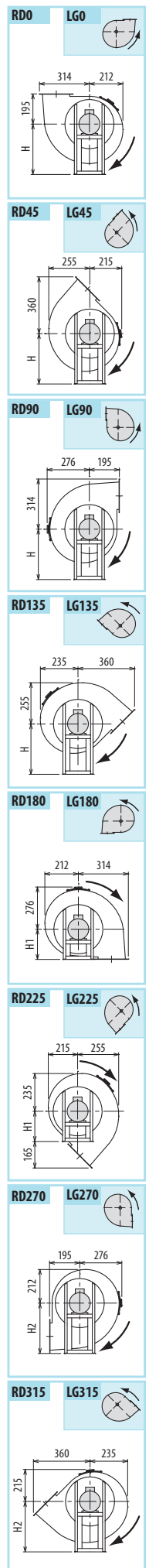
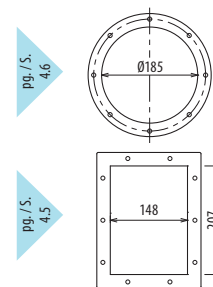
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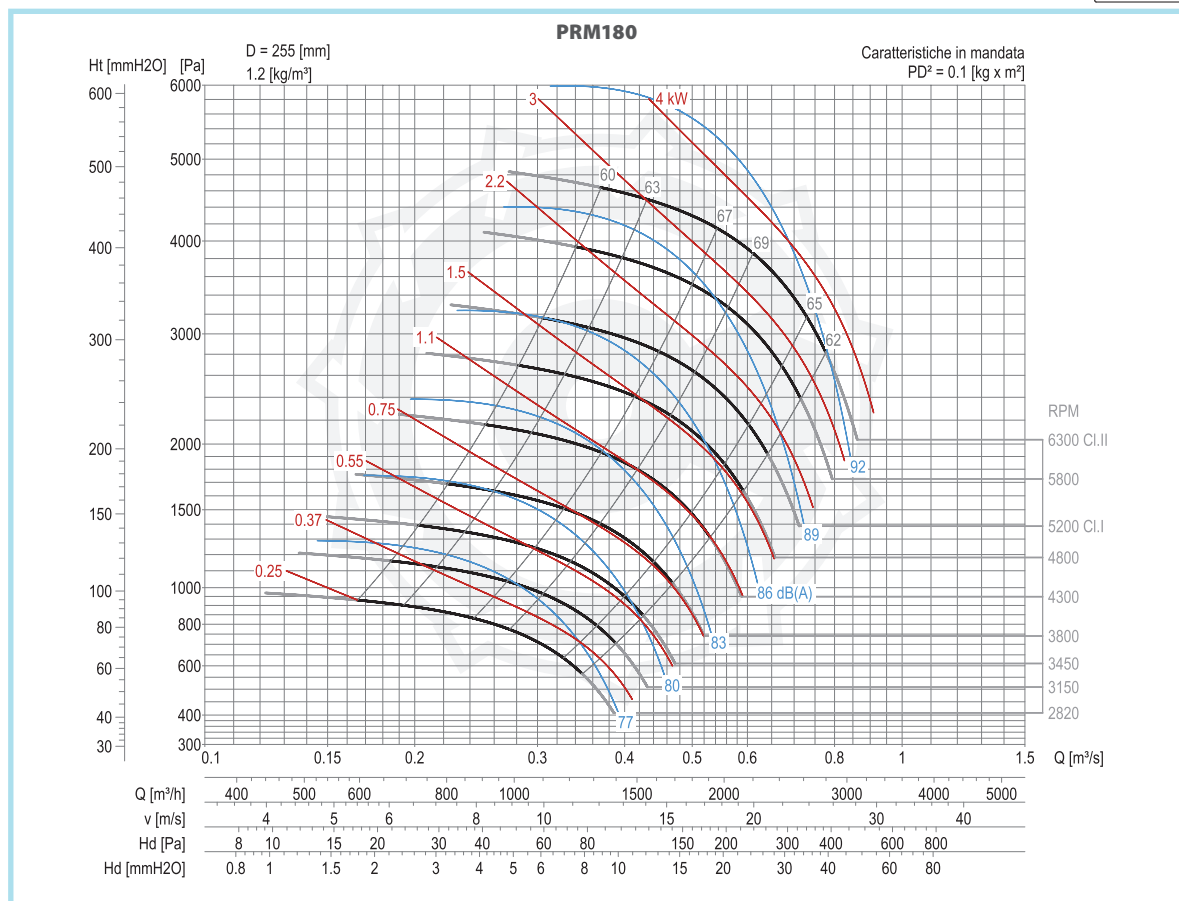
The fan is revolvable - The weight indicated in the table includes motor

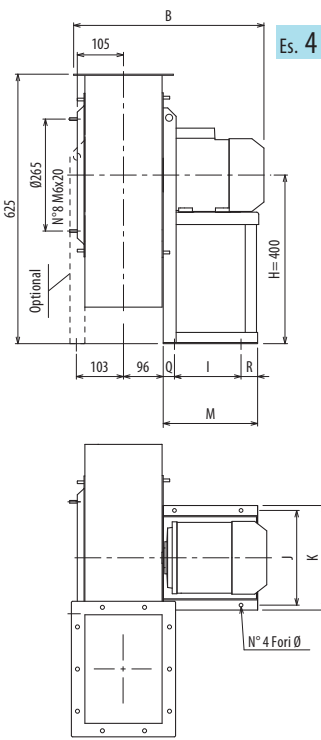
Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø
Fan	Motor													
PRM180/2R	63 B2	24	0,09	366	86	315	195	315	184	206	150	48	16	10
PRM180/2	71 A2	26	0,10	396	121	315	195	315	203	225	195	48	26	10
PRM180/T		25	0,10			315	195	315						

Further information and sizes

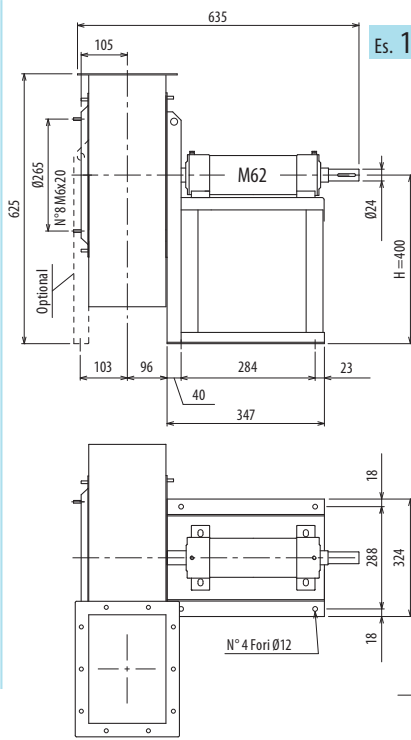


PRM

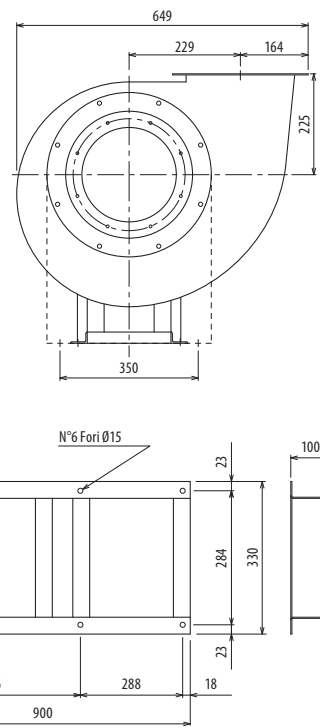




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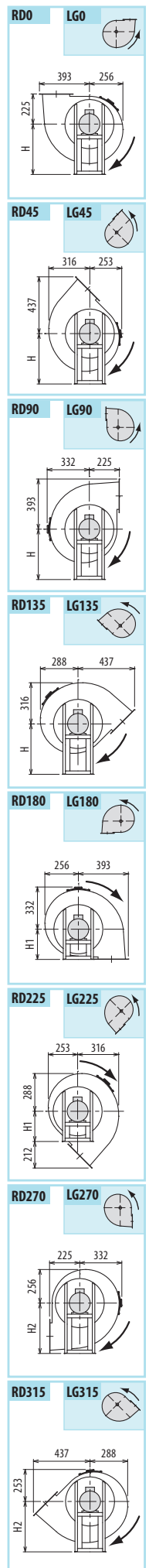
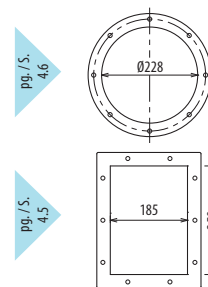
Es. 1



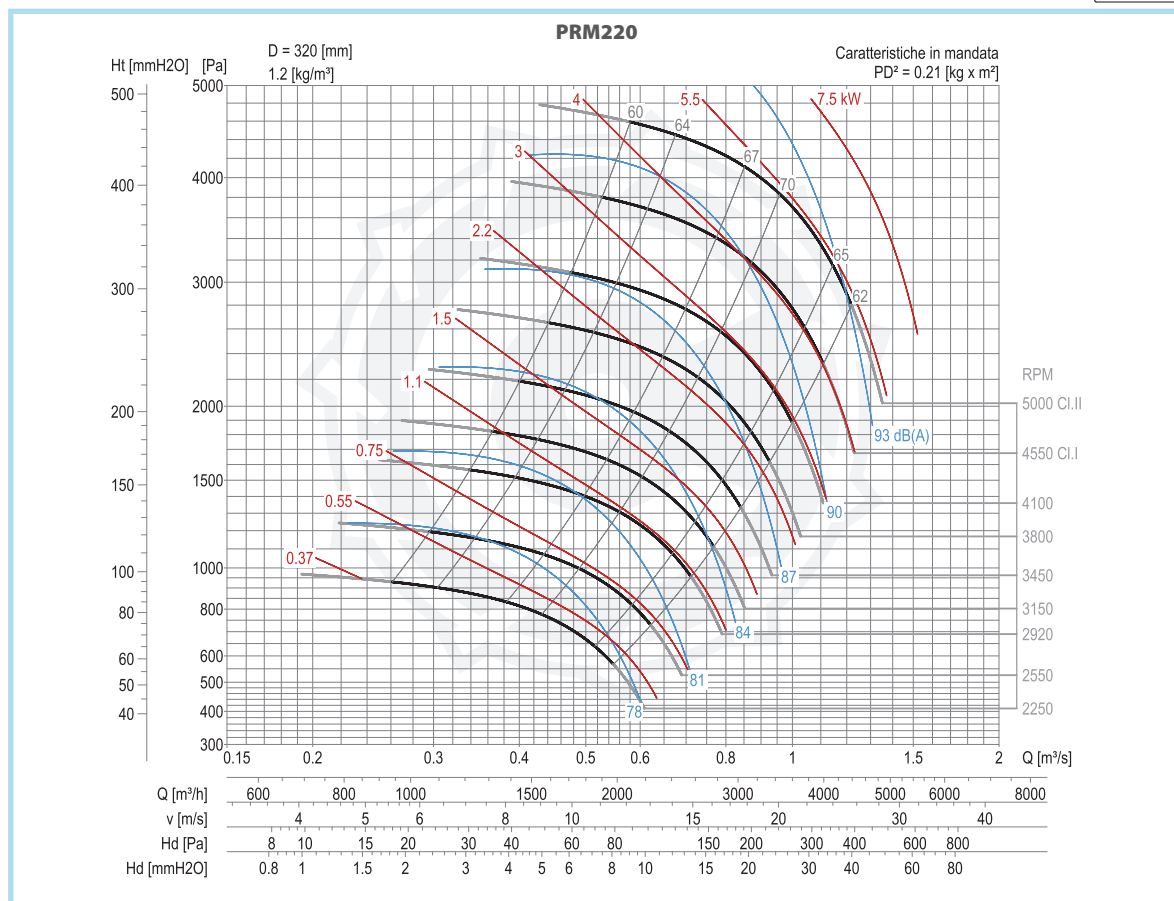
The fan is revolvable • The weight indicated in the table includes motor

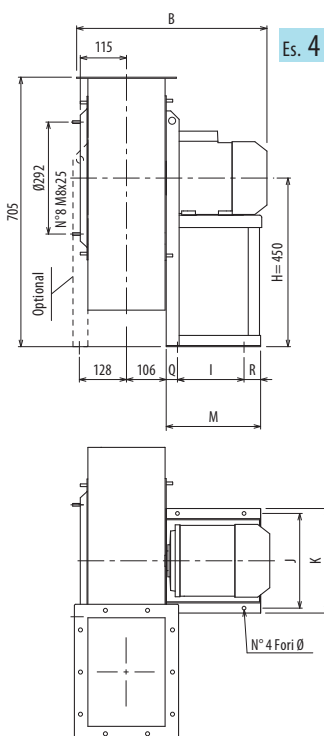
Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø
Fan	Motor													
PRM220/2R	80 B2	42	0,19	458	121	400	225	400	203	225	217	48	48	10
PRM220/2	90 S2	45	0,21	505	133	400	225	400	234	260	251	58	60	10
PRM220/T		45	0,21			400	225	400						

Further information and sizes

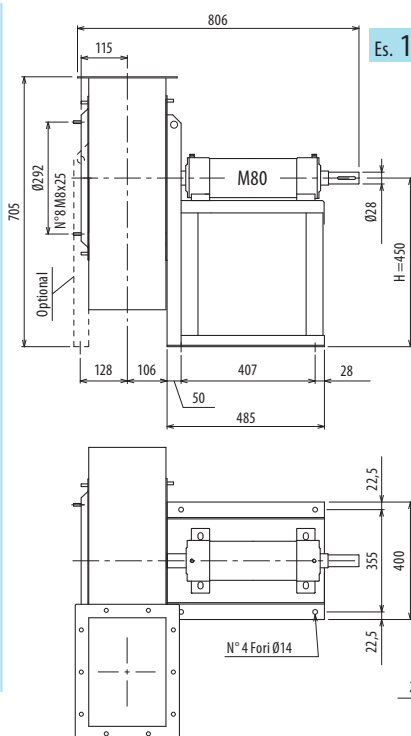


PRM

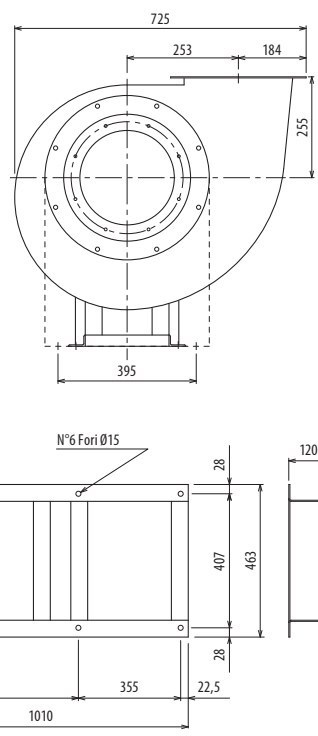




Es. 4



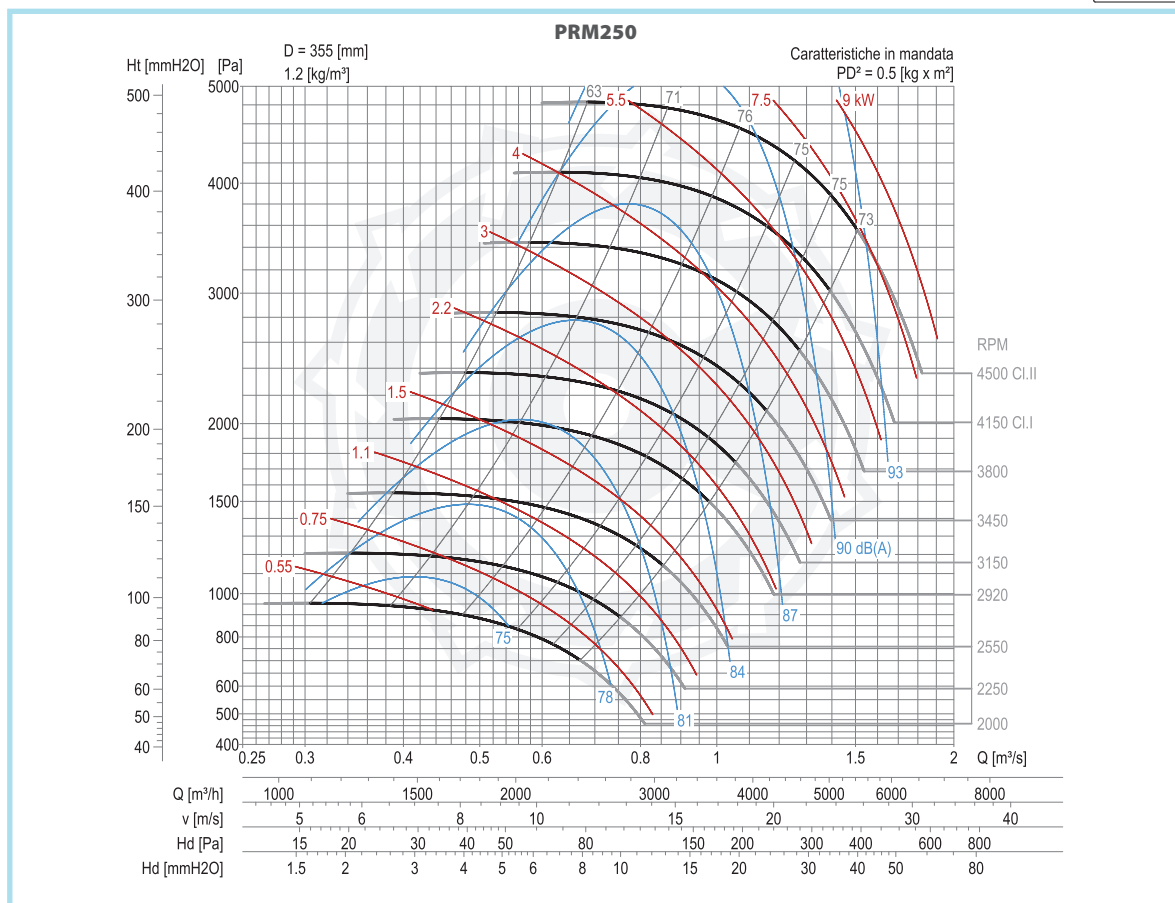
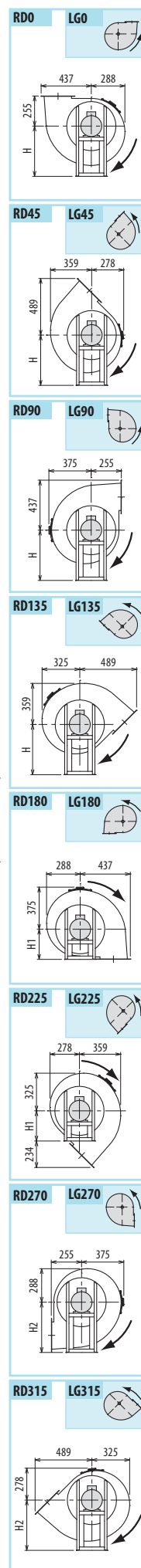
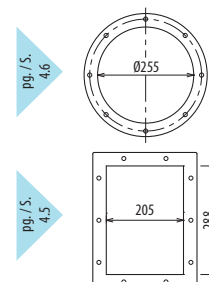
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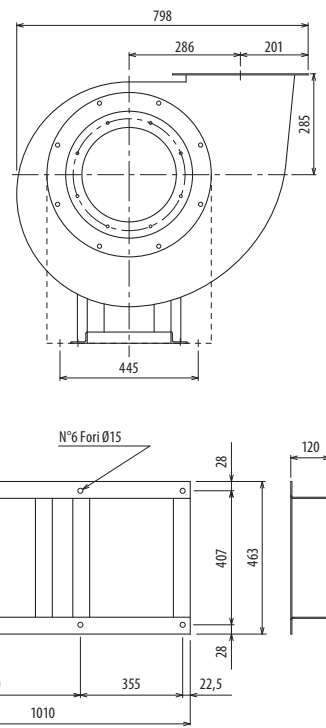
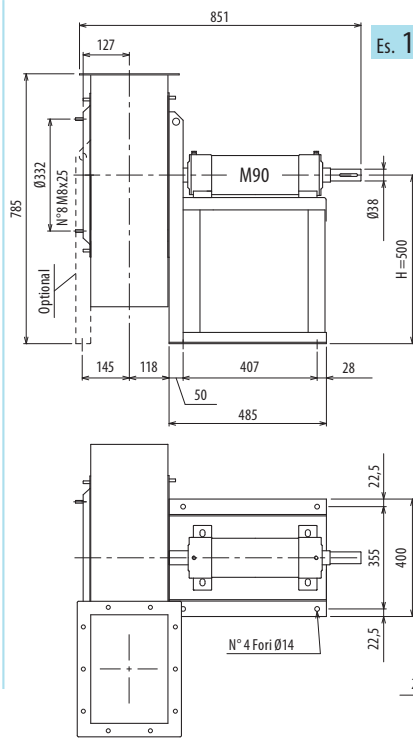
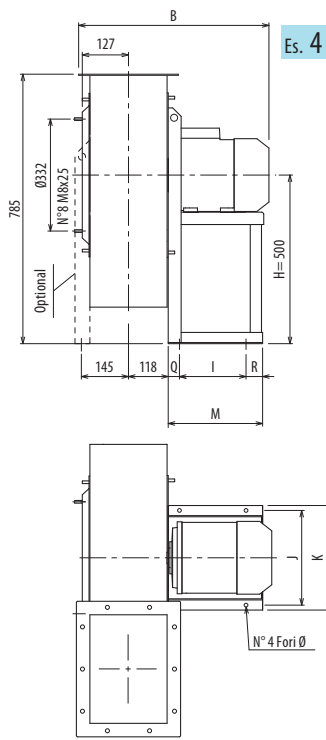


The fan is revolvable • The weight indicated in the table includes motor

Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø
Fan	Motor													
PRM250/2R	90 S2	66	0,43	530	133	450	255	450	234	260	251	58	60	10
PRM250/2	90 L2	70	0,50	530	133	450	255	450	234	260	251	58	60	10
PRM250/T		75	0,50			450	255	450						

Further information and sizes

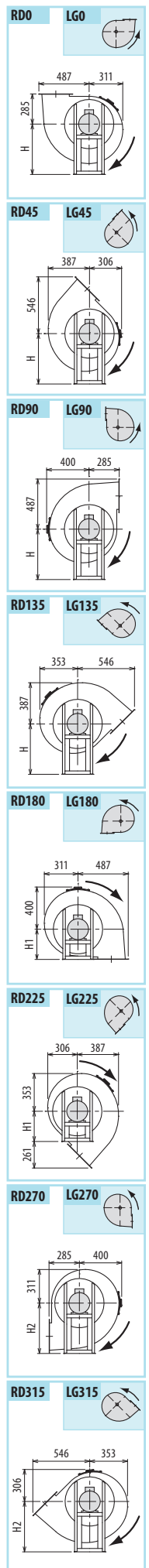
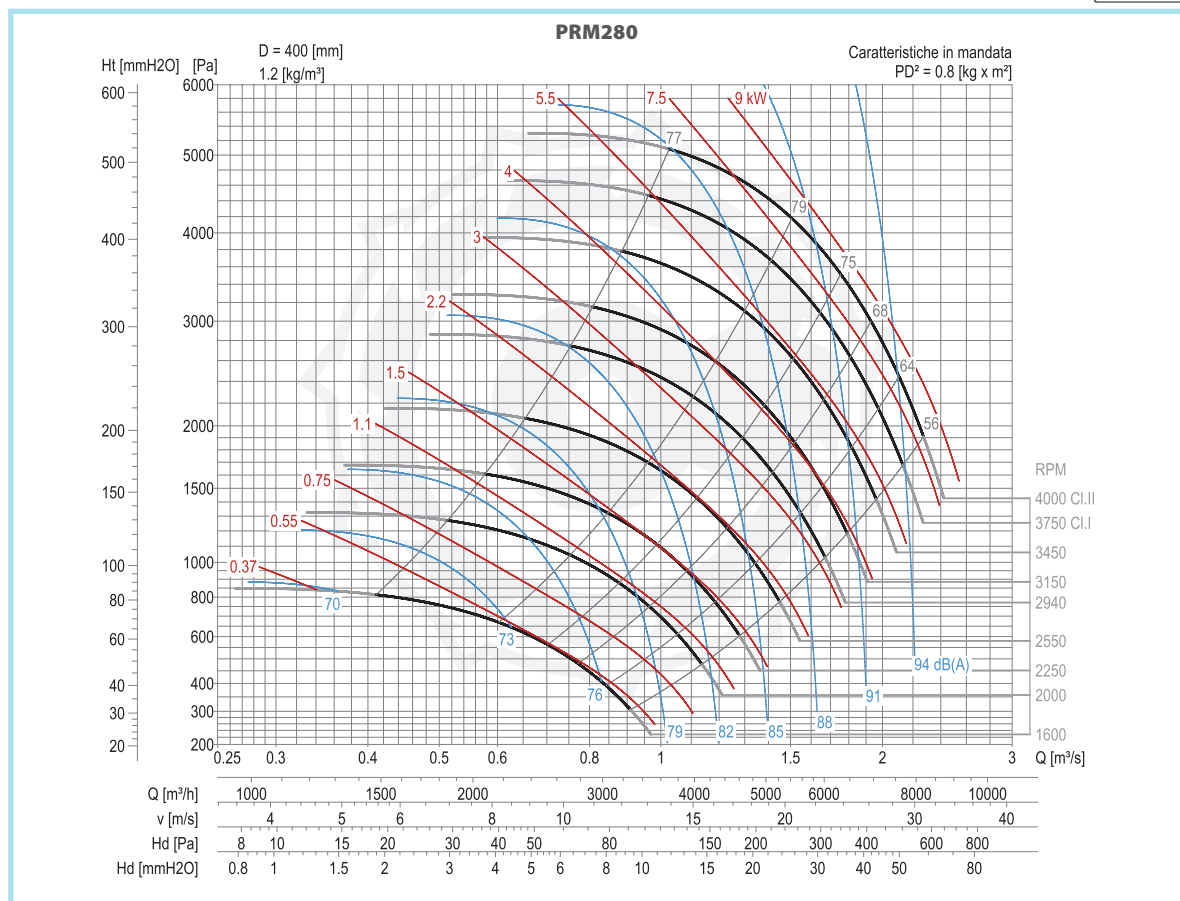
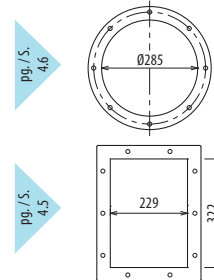




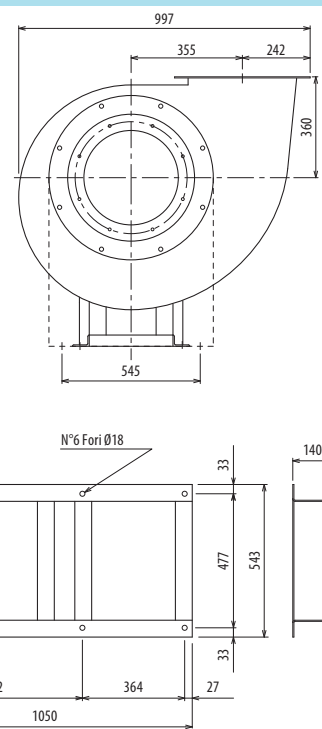
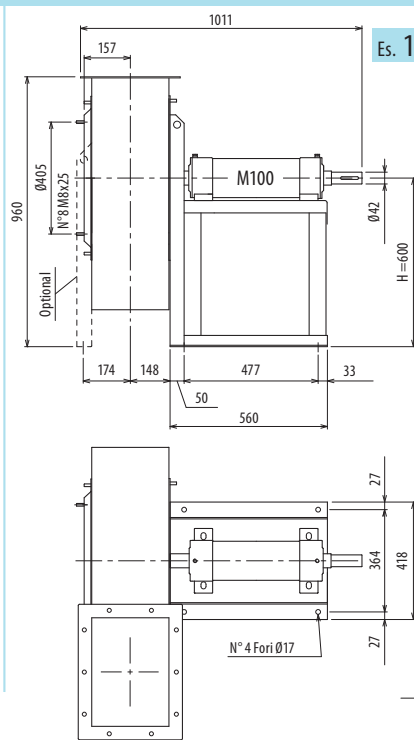
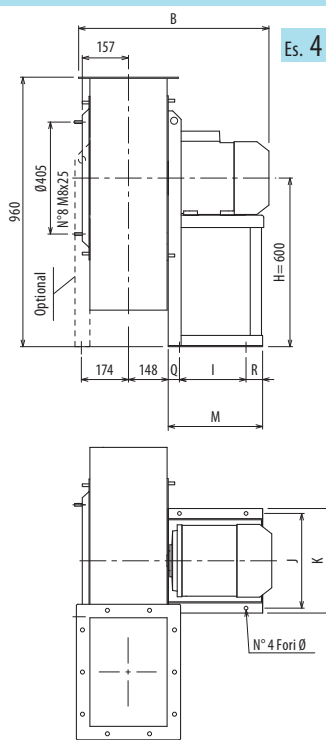
The fan is revolvable • The weight indicated in the table includes motor

Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	J	K	M	Q	R	Ø
Fan	Motor													
PRM280/2R	100 L2	85	0,70	585	197	500	285	500	289	324	283	34	52	12
PRM280/2	112 M2	93	0,80	606	197	500	285	500	289	324	285	34	54	12
PRM280/T		86	0,80			500	285	500						

Further information and sizes



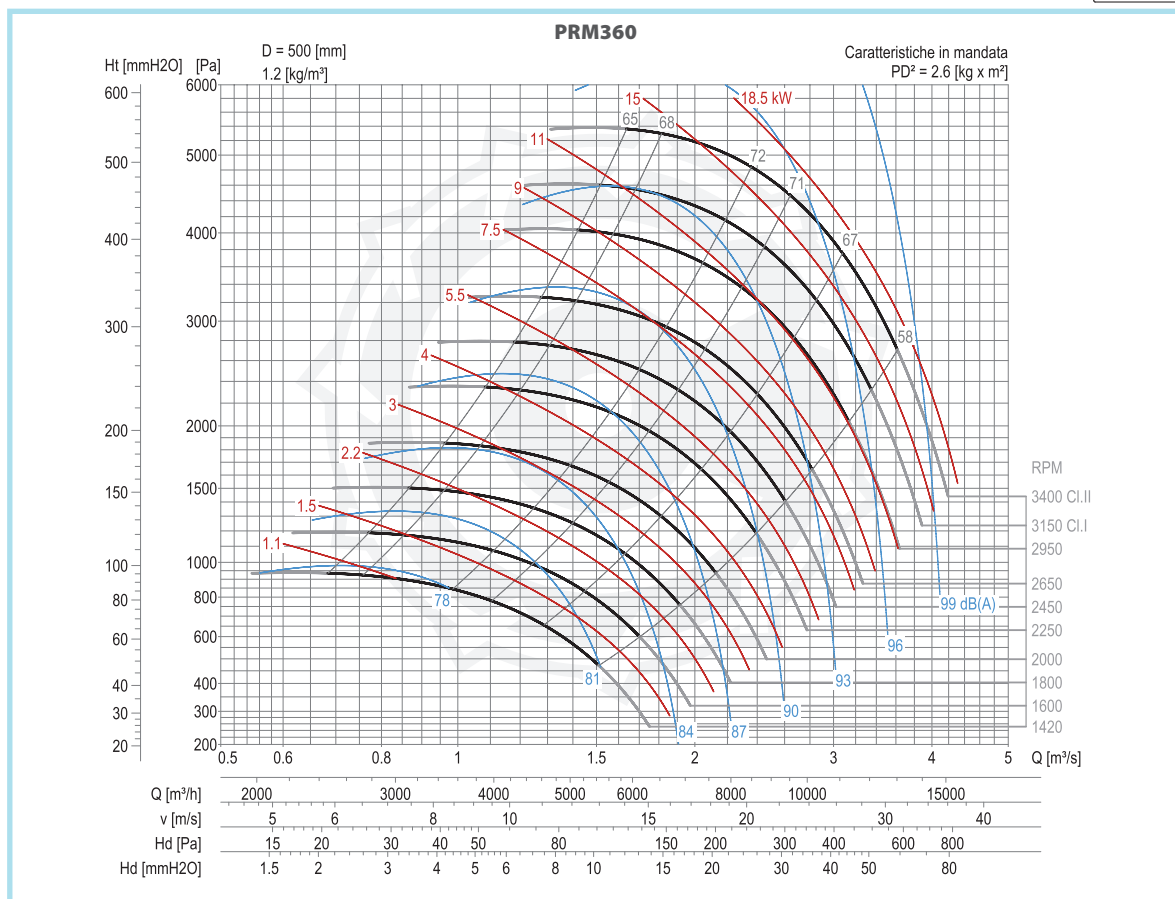
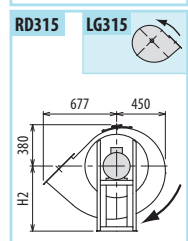
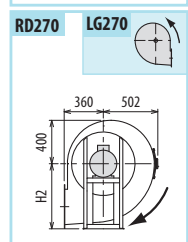
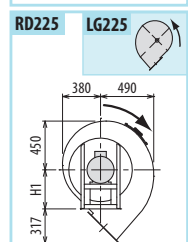
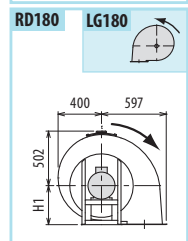
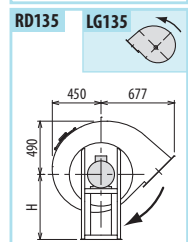
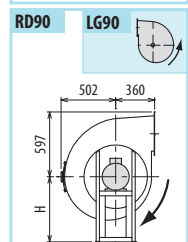
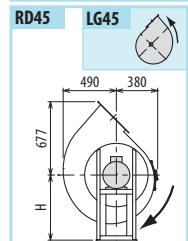
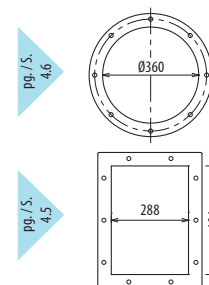
PRM

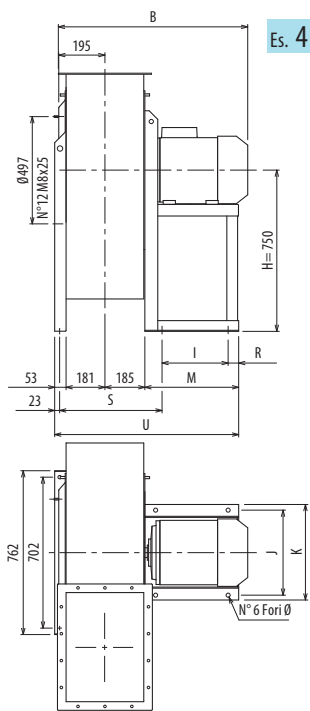


The fan is revolvable • The weight indicated in the table includes motor

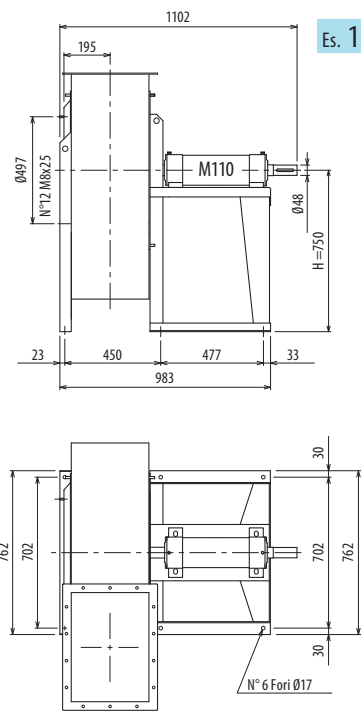
Type		Weight		PD ²		B	I	H	H1	H2	J	K	M	Q	R	Ø
Fan	Motor	Kg	Kgf x m ²													
PRM360/2R	160 M2	175	2,3	810	337	600	360	600	395	440	446	55	54	14		
PRM360/2	160 M2	180	2,6	810	337	600	360	600	395	440	446	55	54	14		
PRM360/4R	90 S4	100	2,1	613	133	600	360	600	234	260	251	58	60	10		
PRM360/4	90 L4	106	2,2	613	133	600	360	600	234	260	251	58	60	10		
PRM360/T		115	2,6			600	360	600								

Further information and sizes

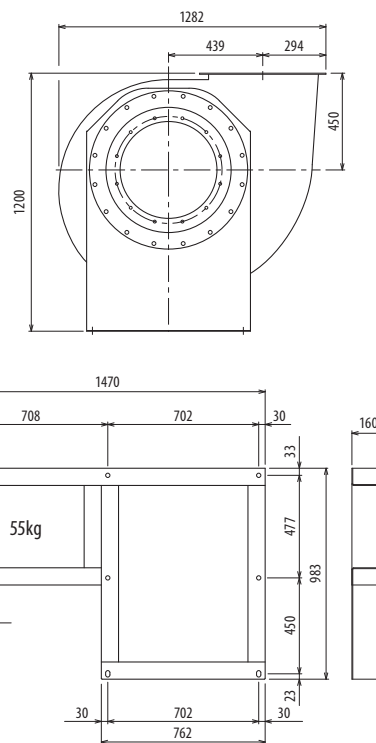




Es. 4



Es. 1



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

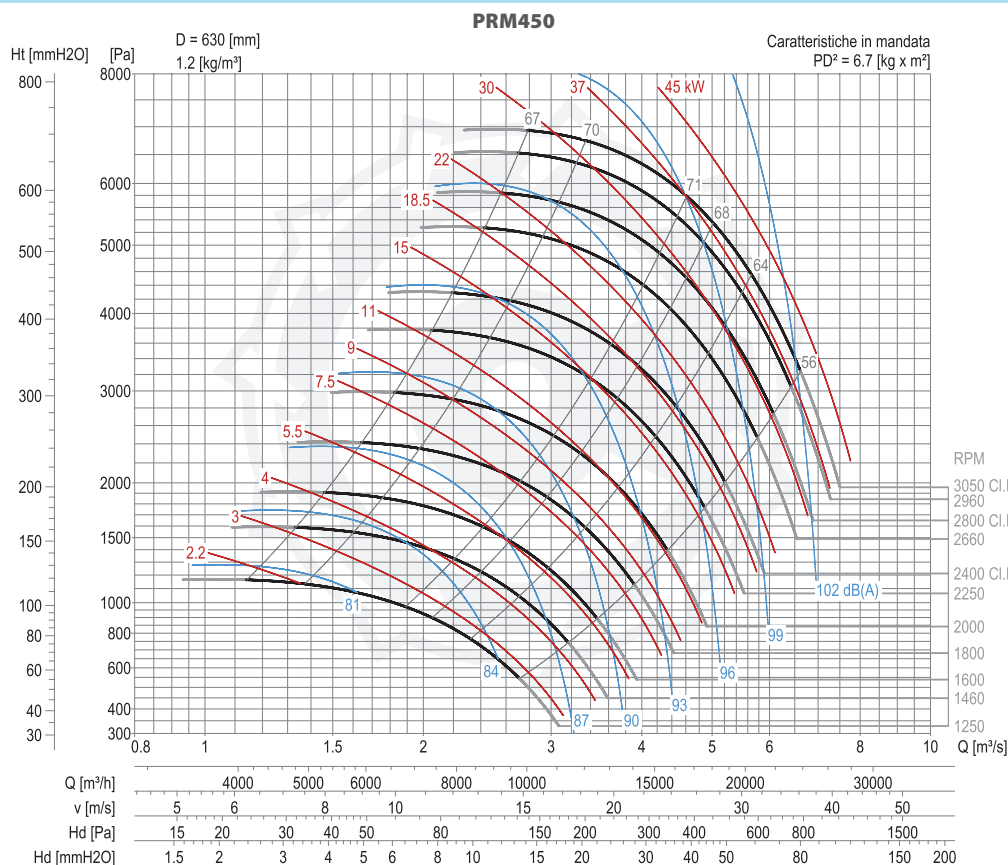
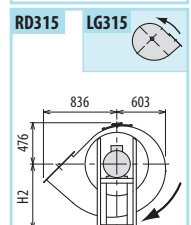
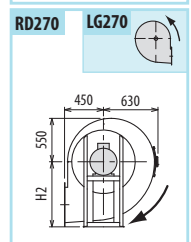
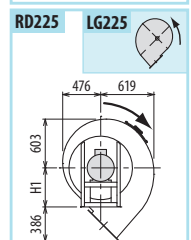
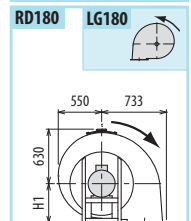
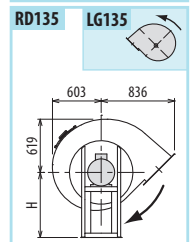
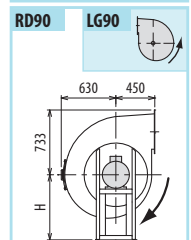
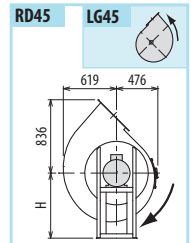
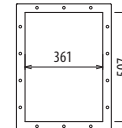
Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	J	K	M	R	S	U	Ø
Fan	Motor														
PRM450/4R	112 M4	190	5,6	752	197	750	450	750	289	324	281	54	425	699	12
PRM450/4	132 S4	205	6,3	792	237	750	450	750	337	372	341	64	435	759	12
PRM450/T		229	6,7			750	450	750							

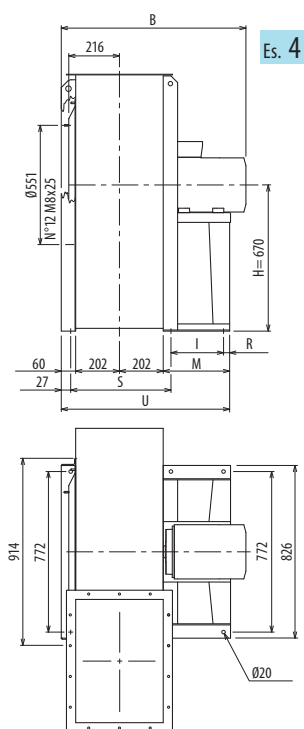
Further information and sizes

pg. / S.
4,6

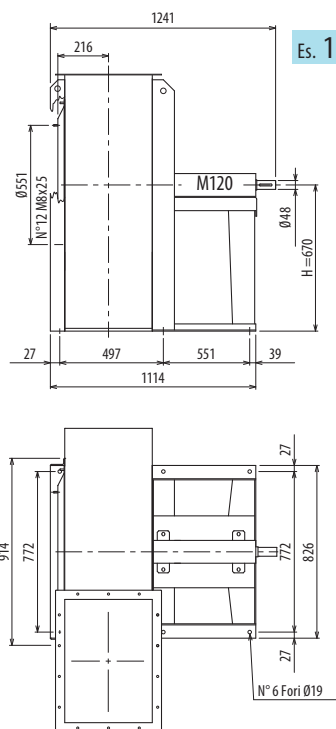


pg. / S.
4,5

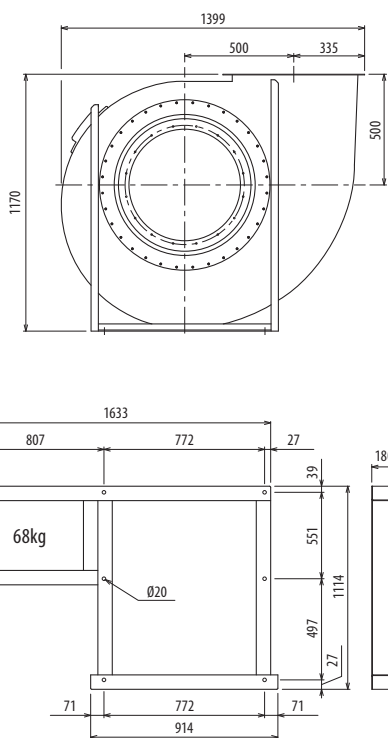




Es. 4



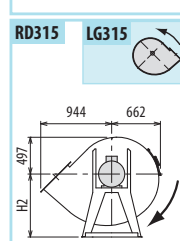
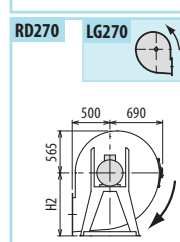
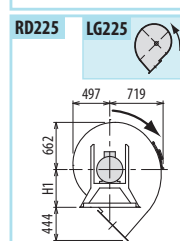
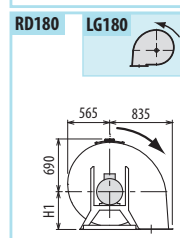
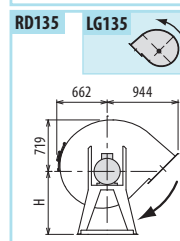
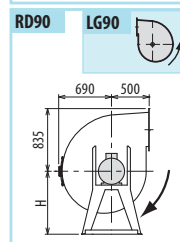
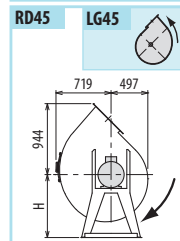
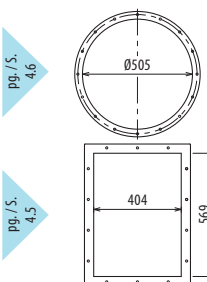
Es. 1



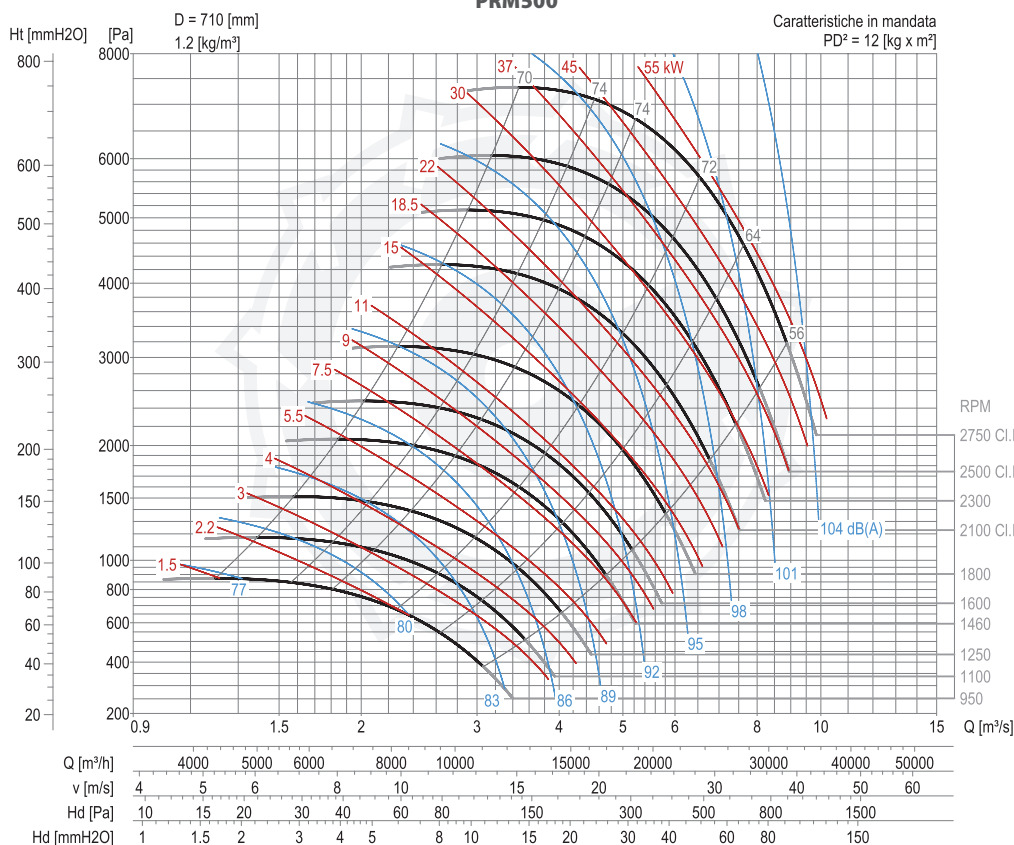
The fan is not revolable • The weight indicated in the table includes motor

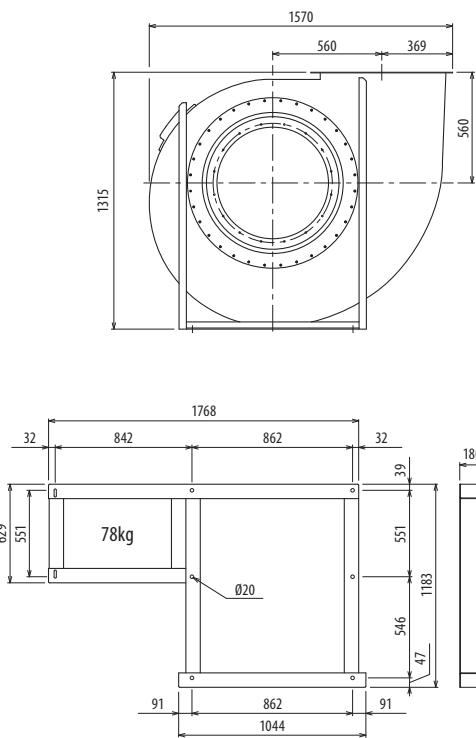
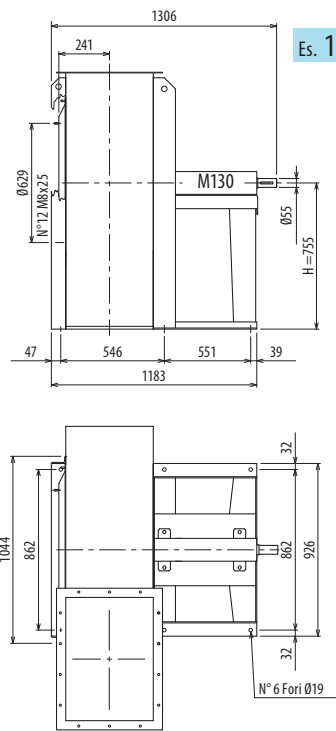
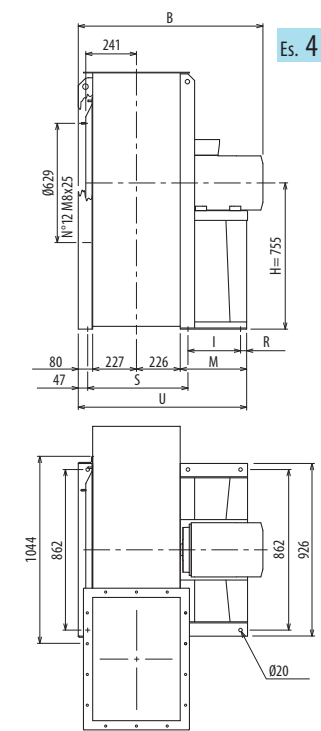
Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	R	S	M	U
Fan	Motor											
PRM500/4R	132 M4	287	10	837	201	670	500	850	75	497	336	800
PRM500/4	160 M4	338	11	942	316	670	500	850	60	497	436	900
PRM500/T		346	12			670	500	850				

Further information and sizes



PRM500

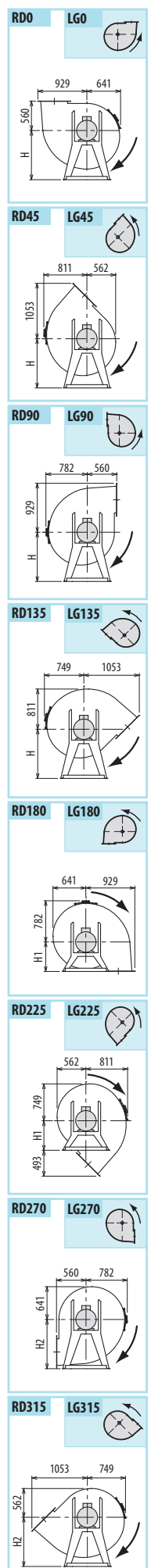
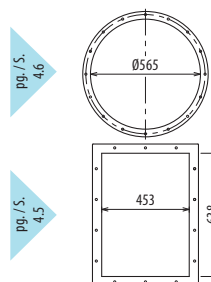




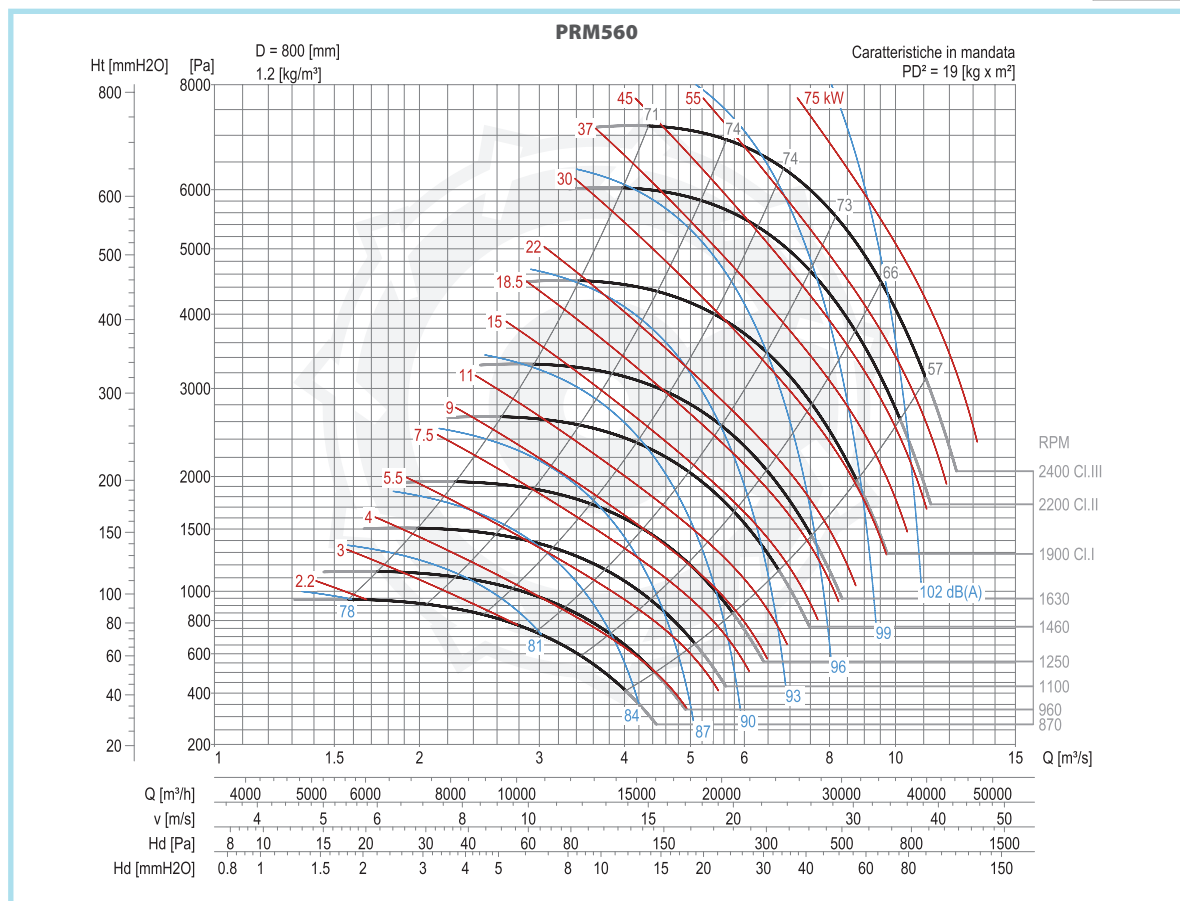
The fan is not revolvable • The weight indicated in the table includes motor

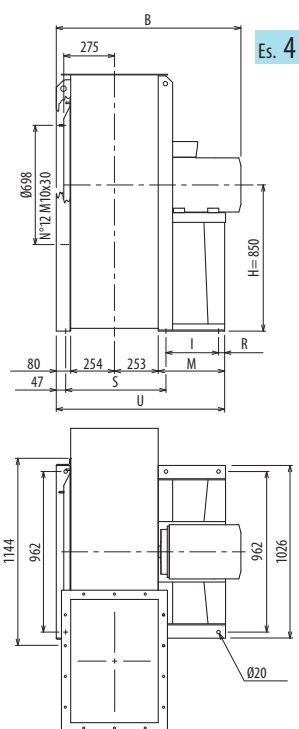
Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	R	S	M	U
Fan	Motor											
PRM560/4R	160 L4	504	17	1011	315	755	560	950	60	546	436	968
PRM560/4	180 M4	512	19	1092	361	755	560	950	39	546	460	993
PRM560/6R	132 M6	391	16	906	201	755	560	950	75	546	336	869
PRM560/6	132 M6	395	18	906	201	755	560	950	75	546	336	869
PRM560/T		421	19			755	560	950				

Further information and sizes

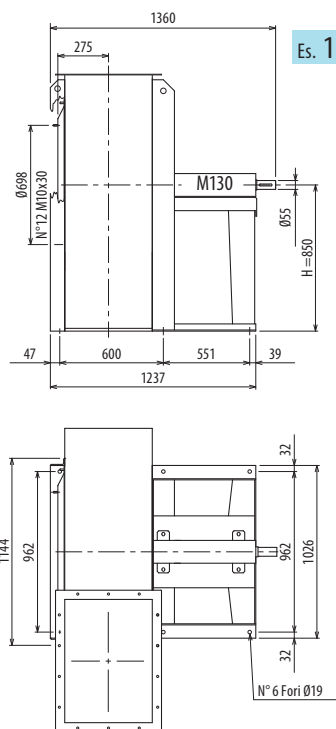


PRM

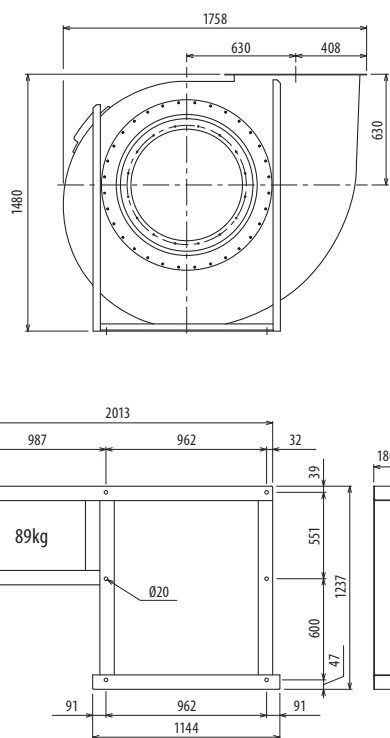




Es. 4



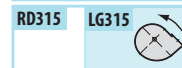
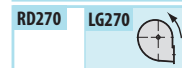
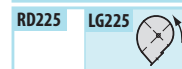
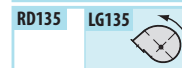
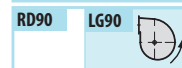
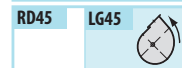
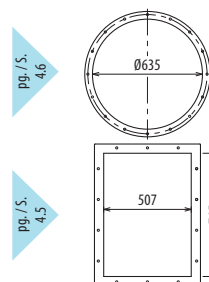
Es. 1



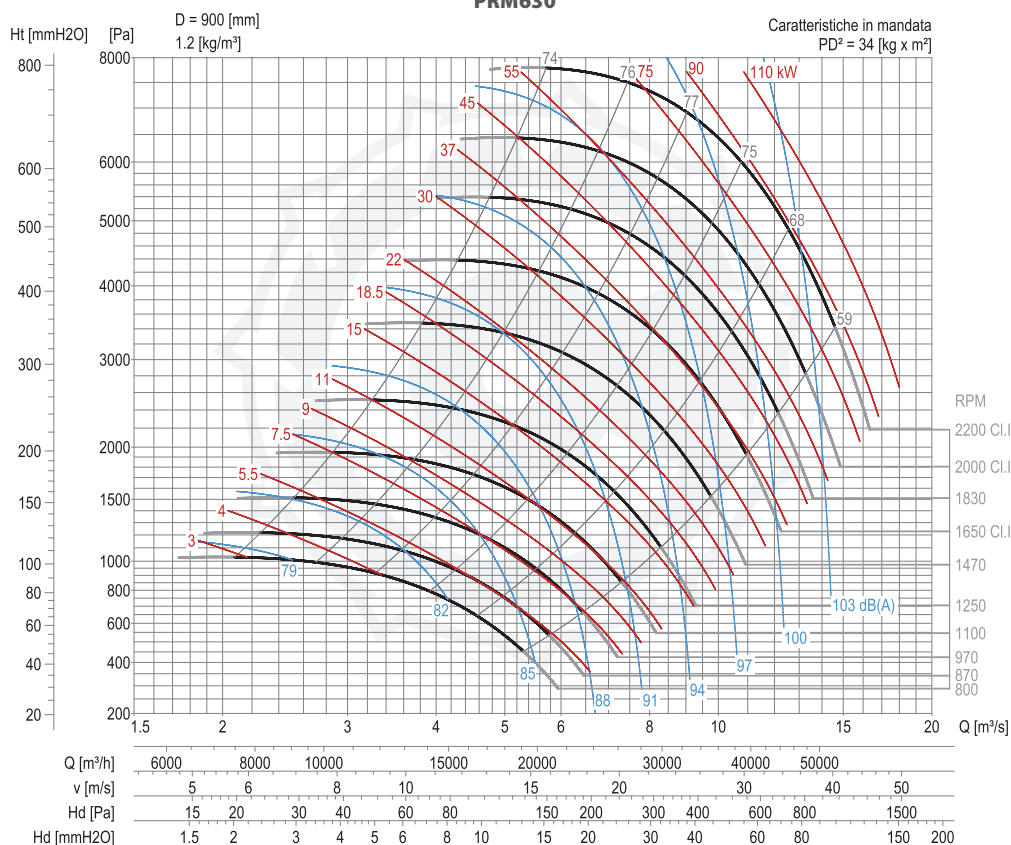
The fan is not revolable • The weight indicated in the table includes motor

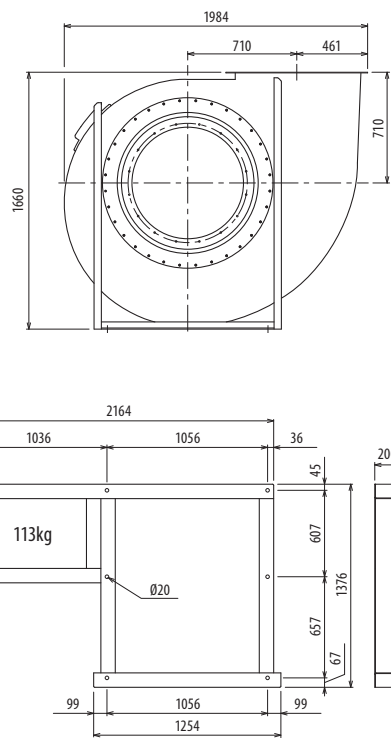
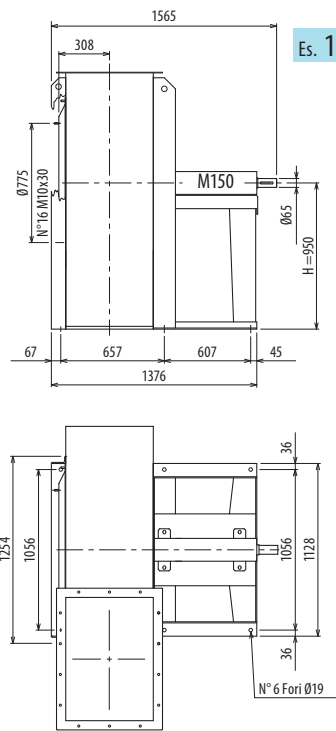
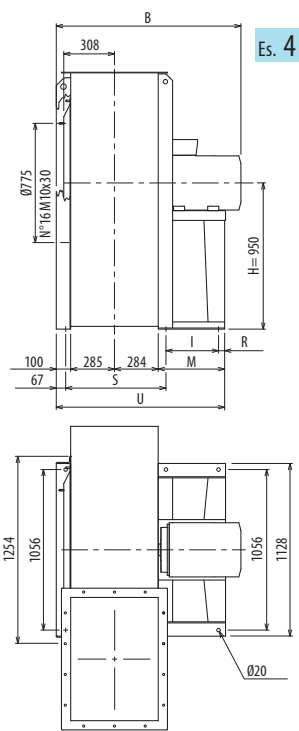
Type	Fan	Motor	Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	R	S	M	U
PRM630/4R	200 L4		684	30	1254	401	850	630	1060	39	600	500	1087
PRM630/4	225 S4		767	34	1236	441	850	630	1060	39	600	540	1127
PRM630/6R	160 M6		511	29	1065	316	850	630	1060	60	600	436	1023
PRM630/6	160 L6		531	33	1065	316	850	630	1060	60	600	436	1023
PRM630/T			517	34			850	630	1060				

Further information and sizes



PRM630

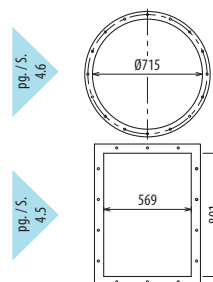




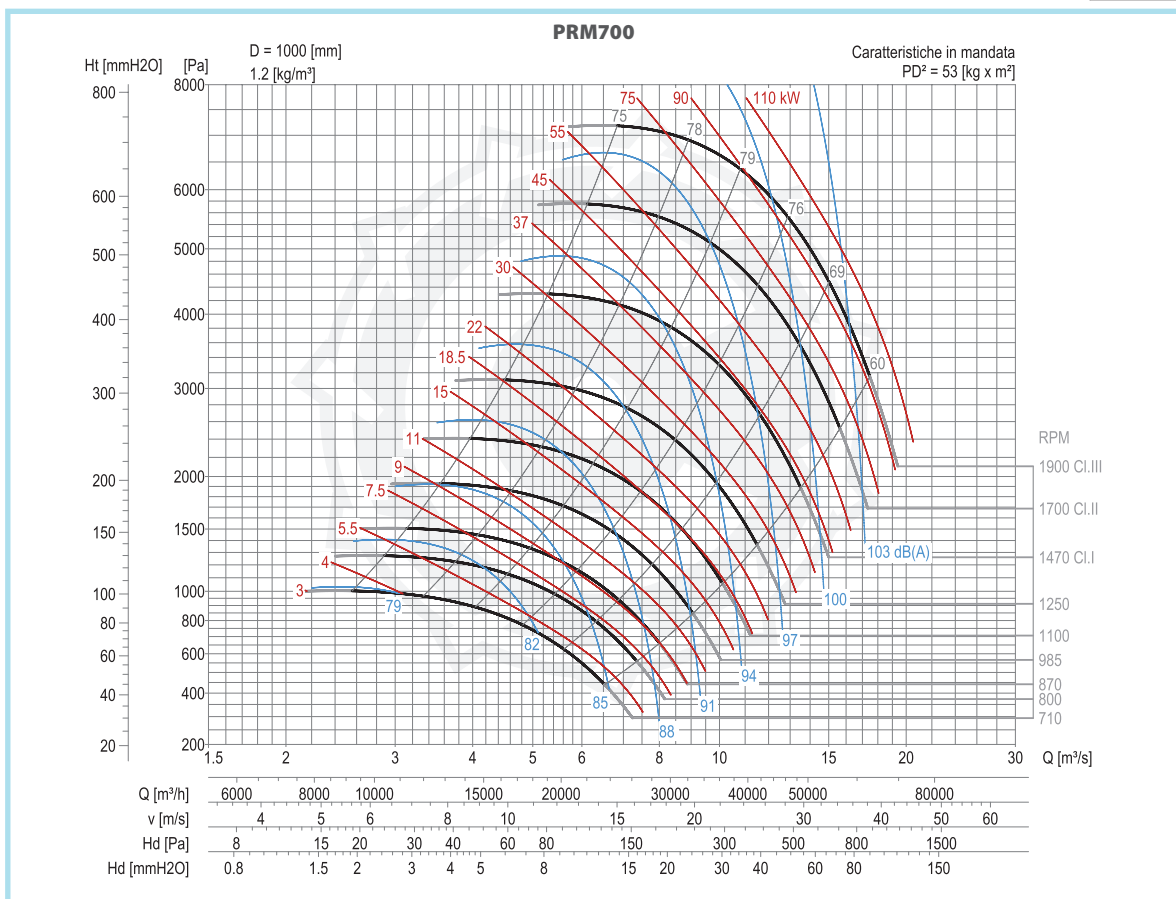
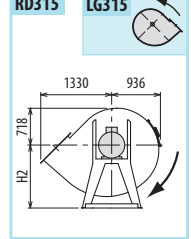
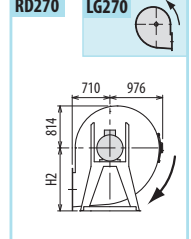
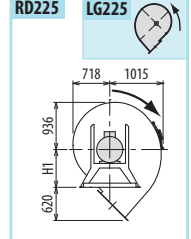
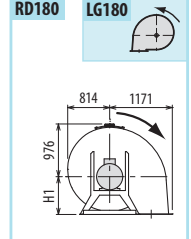
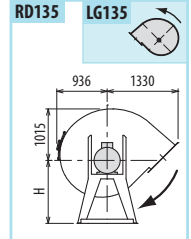
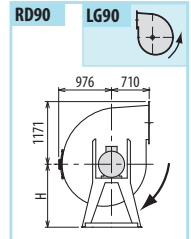
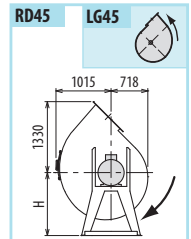
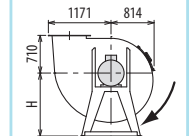
The fan is not revolvable • The weight indicated in the table includes motor

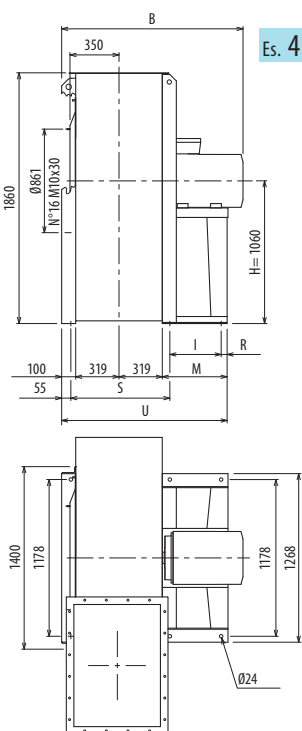
Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	R	S	M	U
Fan	Motor											
PRM700/4R	225 M4	963	48	1378	440	950	710	1180	45	657	540	1209
PRM700/4	250 M4	1081	53	1486	500	950	710	1180	45	657	600	1269
PRM700/6R	180 L6	743	47	1279	360	950	710	1180	45	657	460	1129
PRM700/6	200 L6	850	52	1336	400	950	710	1180	45	657	500	1169
PRM700/T		746	53			950	710	1180				

Further information and sizes

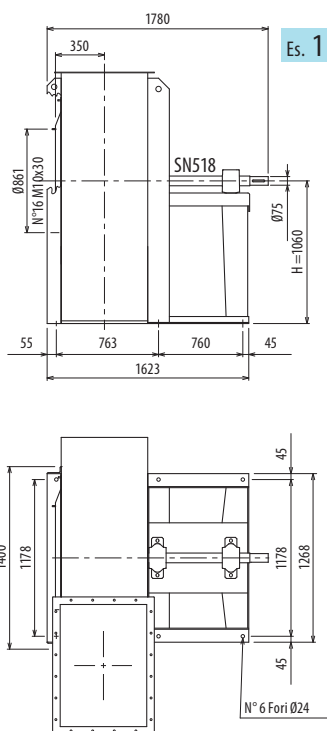


PRM

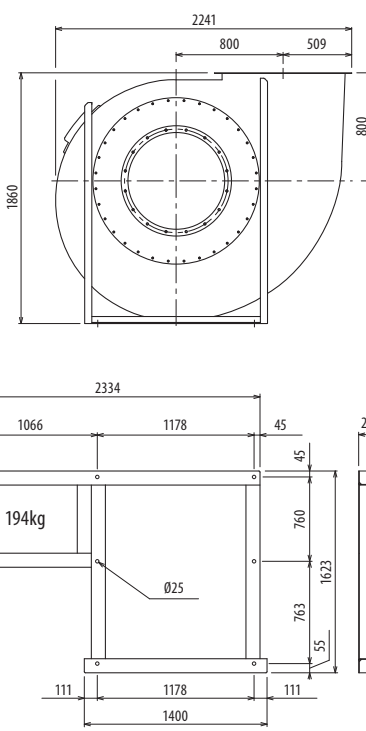




Es. 4



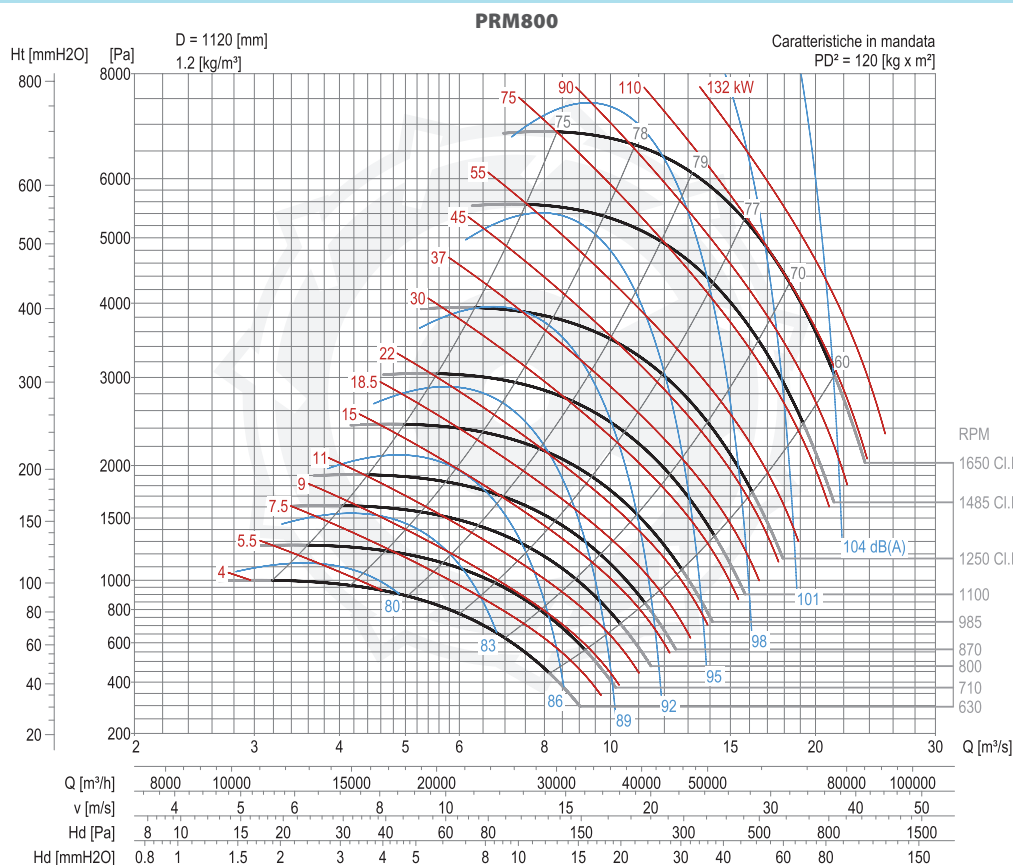
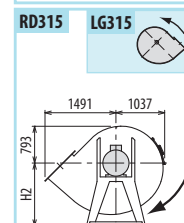
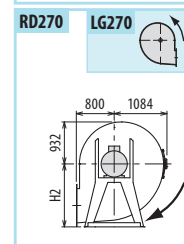
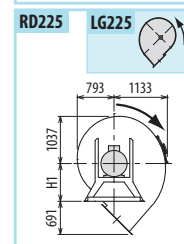
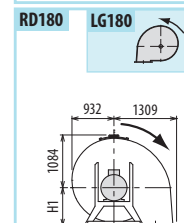
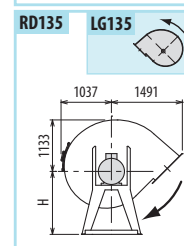
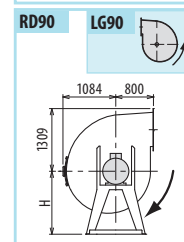
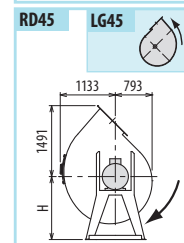
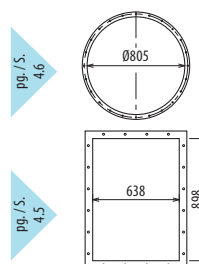
Es. 1

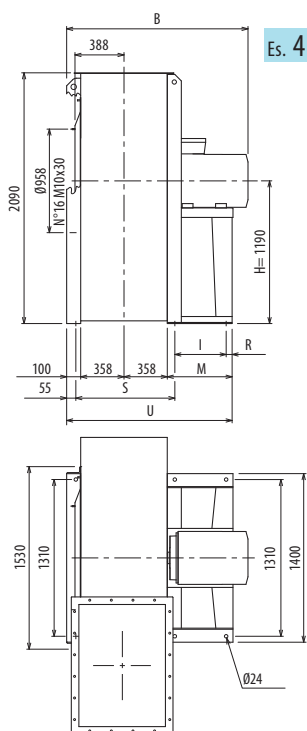


The fan is not revolvable • The weight indicated in the table includes motor

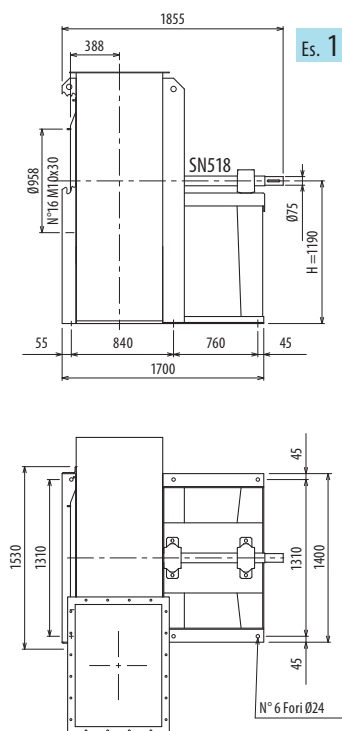
Type	Fan	Motor	Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	R	S	M	U
PRM800/4R	280 S4	1445	110	1558	565	1060	800	1320	45	763	690	1428	
PRM800/4	280 M4	1486	120	1558	565	1060	800	1320	45	763	690	1428	
PRM800/6R	200 L6	955	105	1405	375	1060	800	1320	45	763	500	1238	
PRM800/6	225 M6	1156	115	1447	415	1060	800	1320	45	763	540	1278	
PRM800/T		1040	120			1060	800	1320					

Further information and sizes

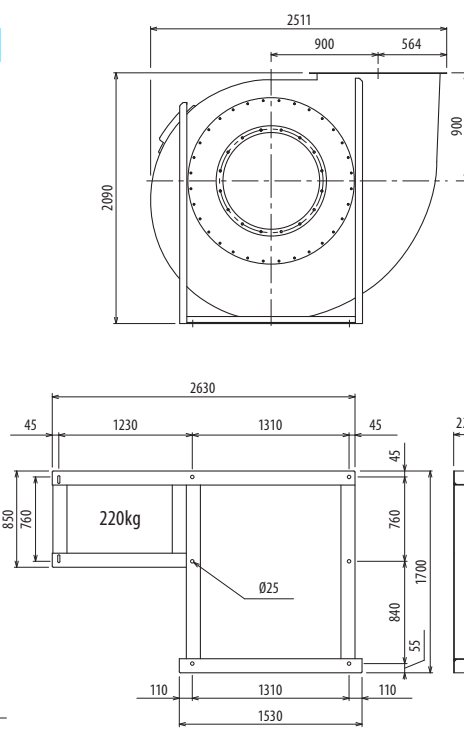




Es. 4



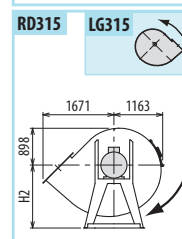
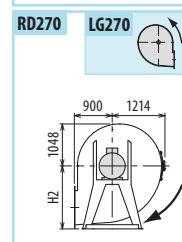
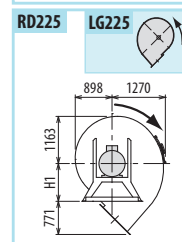
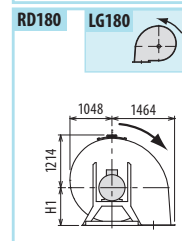
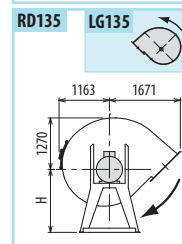
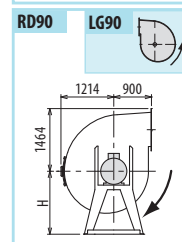
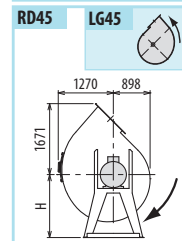
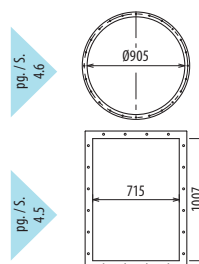
Es. 1



The fan is not revolvable • The weight indicated in the table includes motor

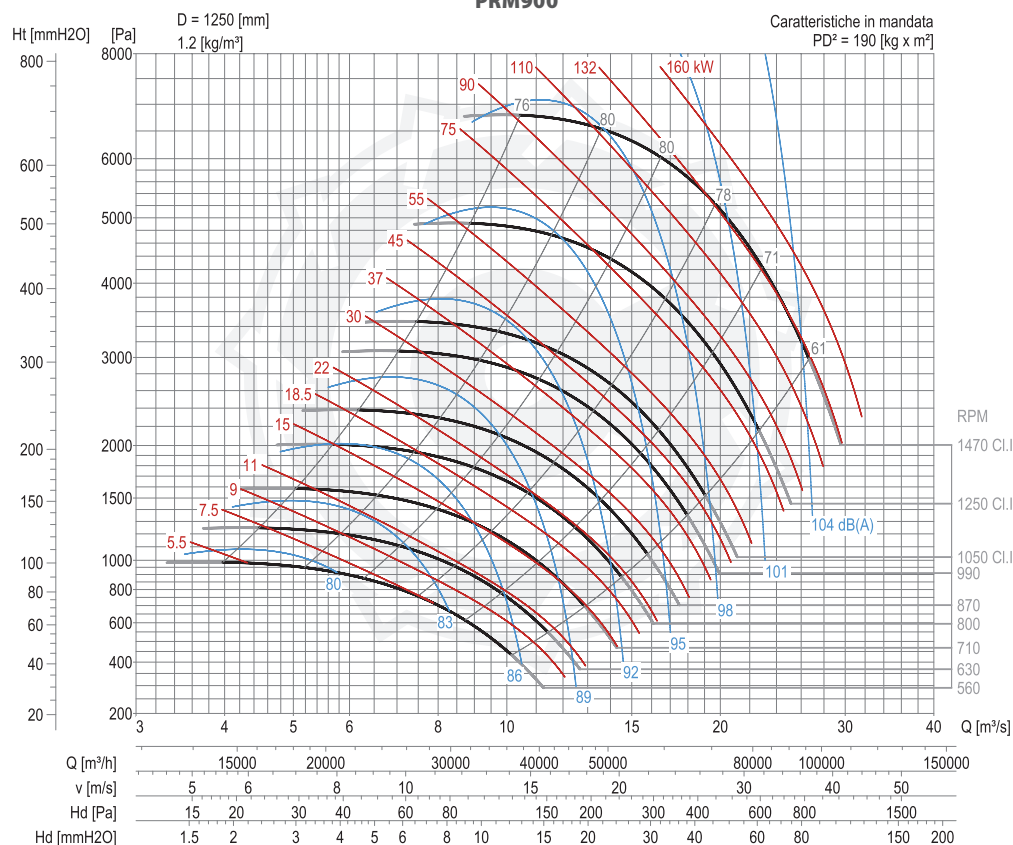
Type	Fan	Motor	Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	R	S	M	U
PRM900/6R		250 M6	1430	180	1632	475	1190	900	1500	45	840	600	1415
PRM900/6		280 S6	1915	190	1635	565	1190	900	1500	45	840	690	1505
PRM900/T			1195	190			1190	900	1500				

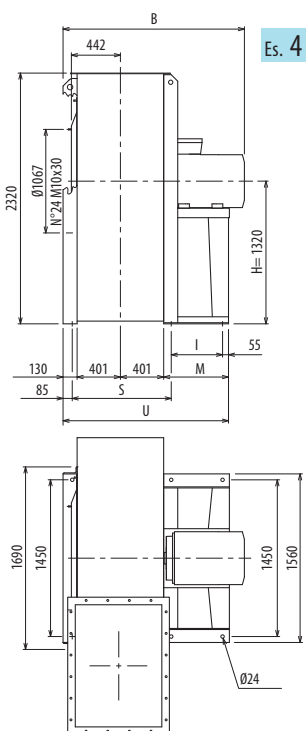
Further information and sizes



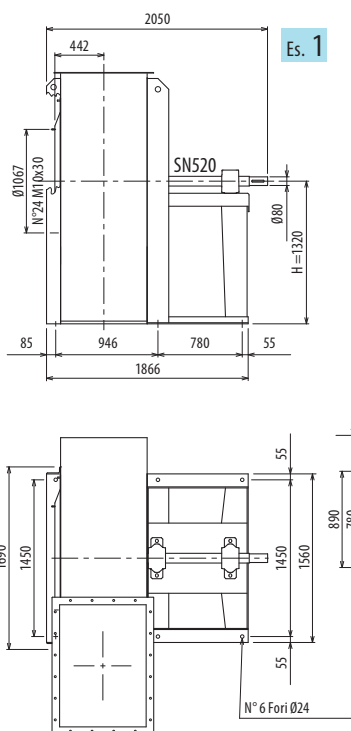
PRM

PRM900

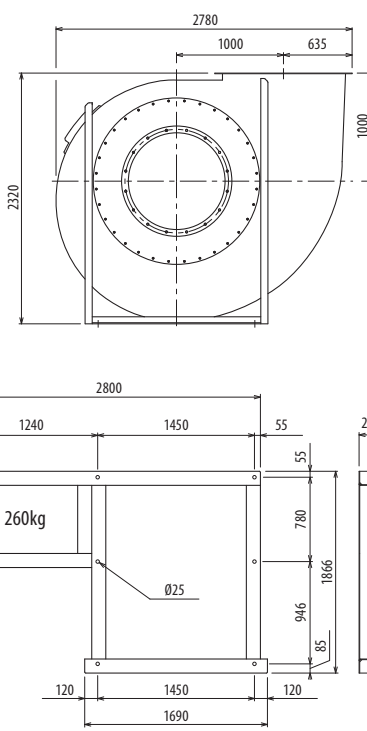




Es. 4



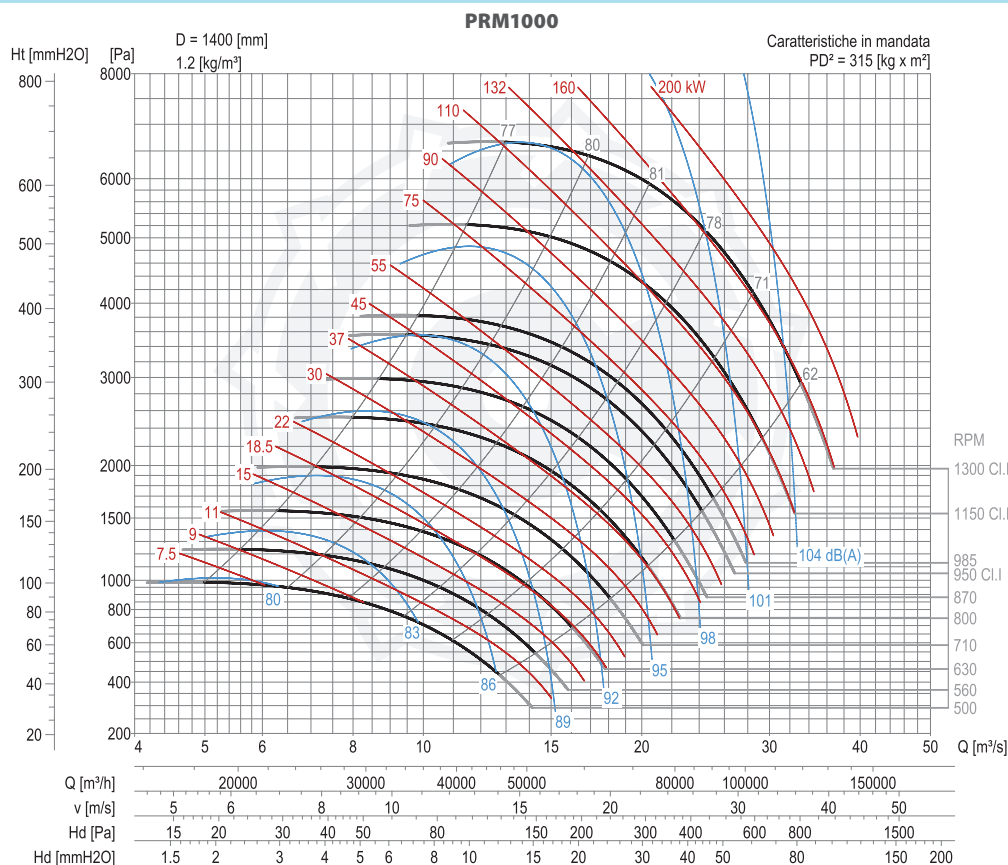
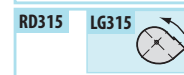
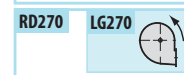
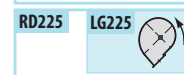
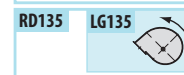
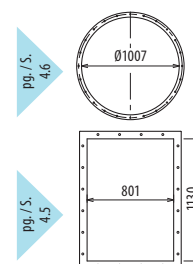
Es. 1

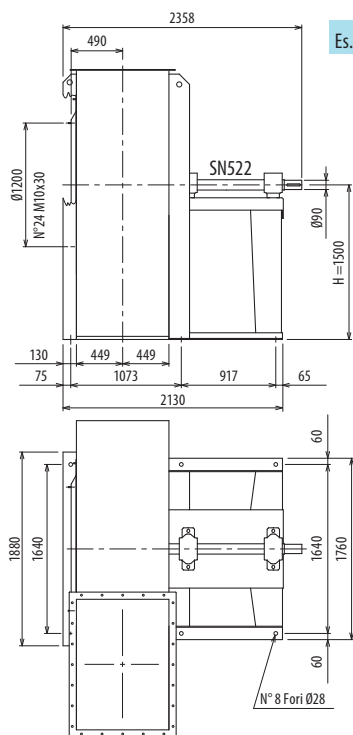


The fan is not revoluble • The weight indicated in the table includes motor

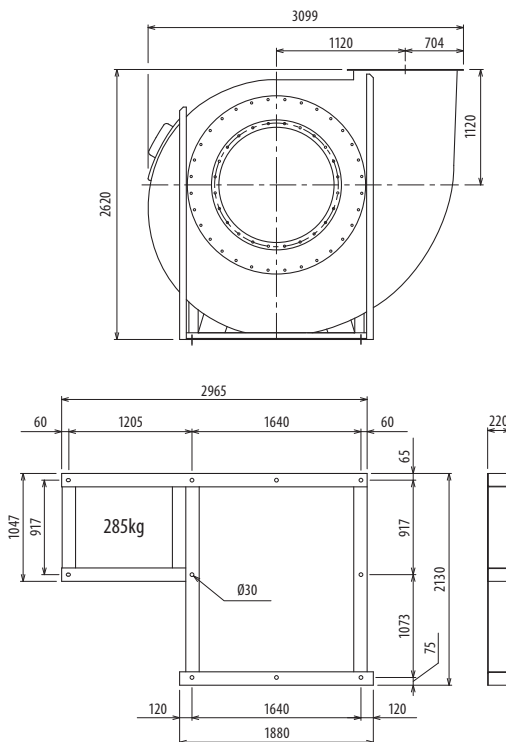
Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	H3	H4	M	S	U
Fan	Motor												
PRM1000/6R	280 M6	1850	300	1751	535	1320	1000	1700	1320	1700	690	946	1621
PRM1000/6	315 S6	2366	315	1963	645	1320	1000	1700	1320	1700	800	946	1731
PRM1000/T		1696	315			1320	1000	1700	1120	1500			

Further information and sizes





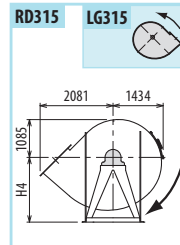
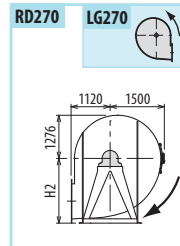
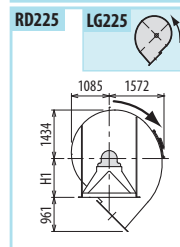
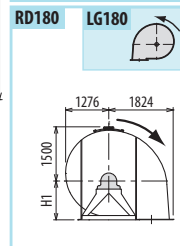
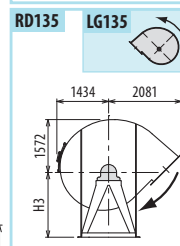
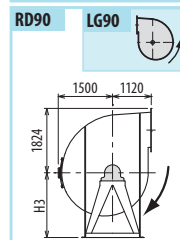
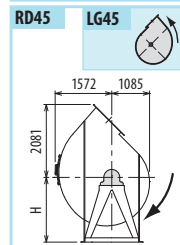
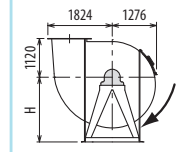
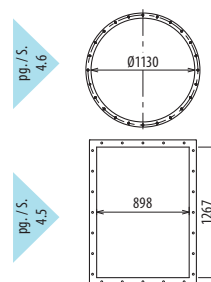
Es. 1



The fan is not revolable

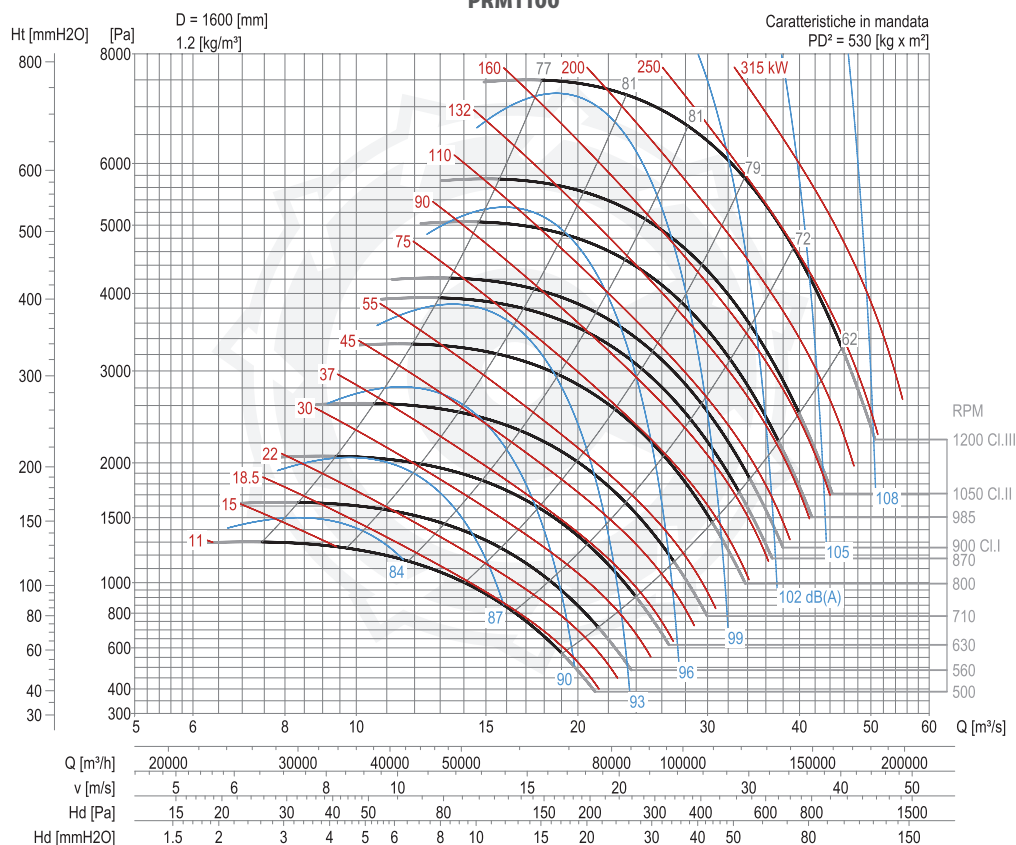
Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	H3	H4		
Fan	Motor											
PRM1100/T		2100	530			1500	1120	1900	1250	1600		

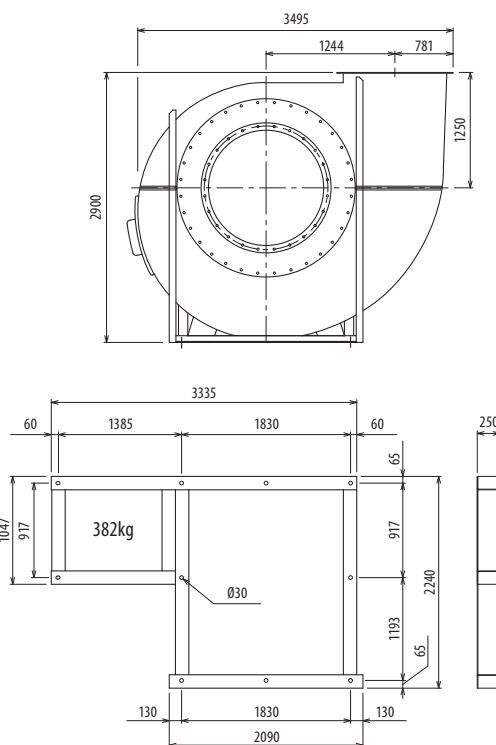
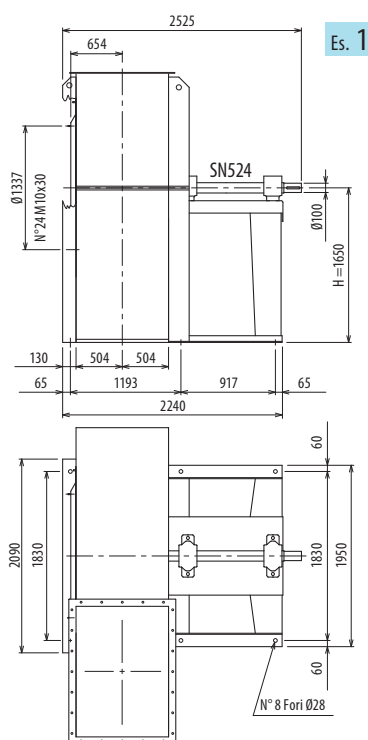
Further information and sizes



PRM

PRM1100

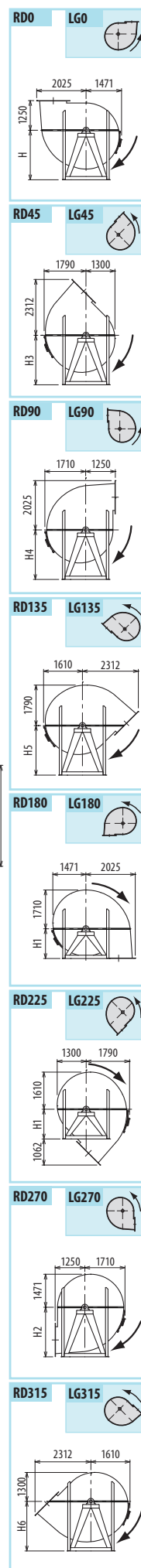
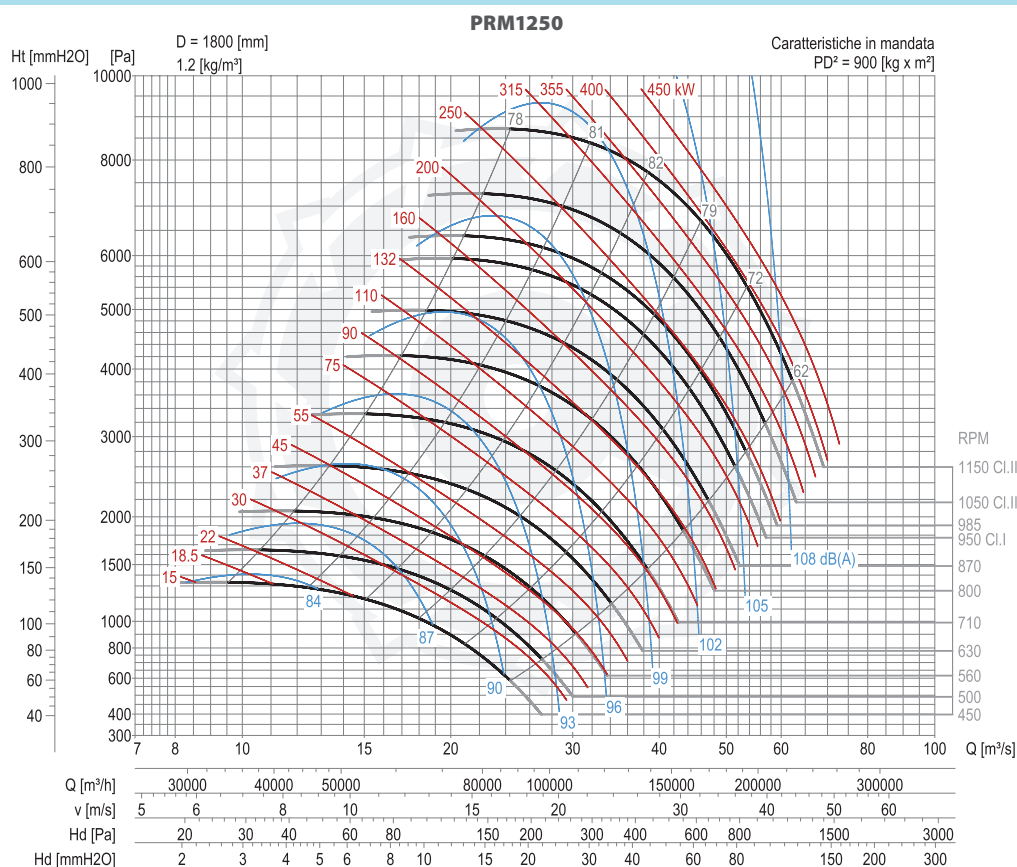
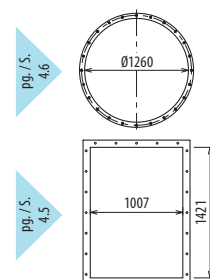


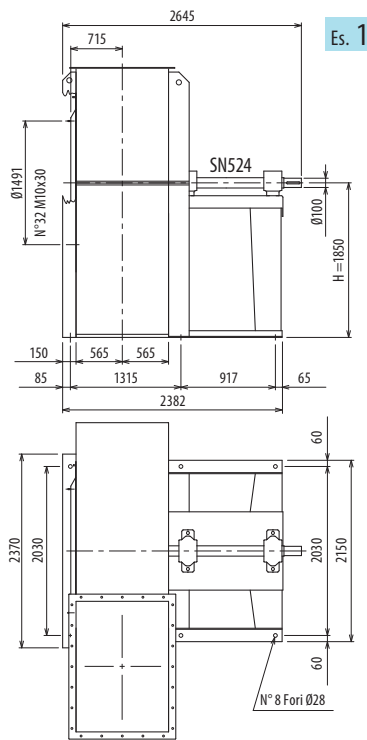


The fan is not revolvable

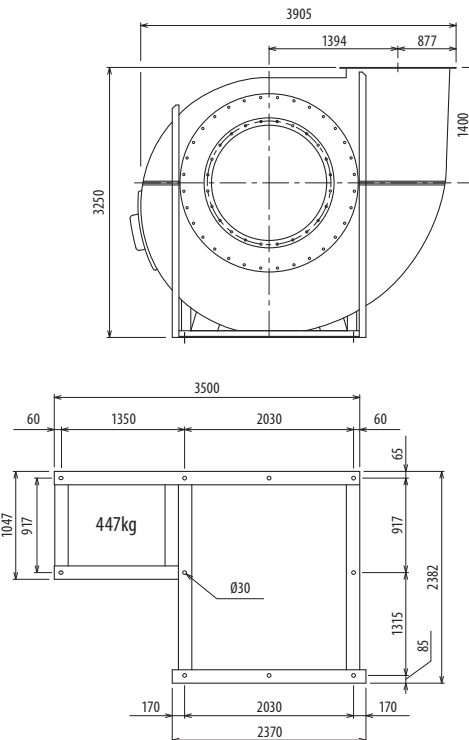
Type		Weight Kg	PD ² Kgf x m ²	B	I	H	H1	H2	H3	H4	H5	H6			
Fan	Motor														
PRM1250/T		2740	900			1650	1250	2120	1570	1400	1320	1800			

Further information and sizes





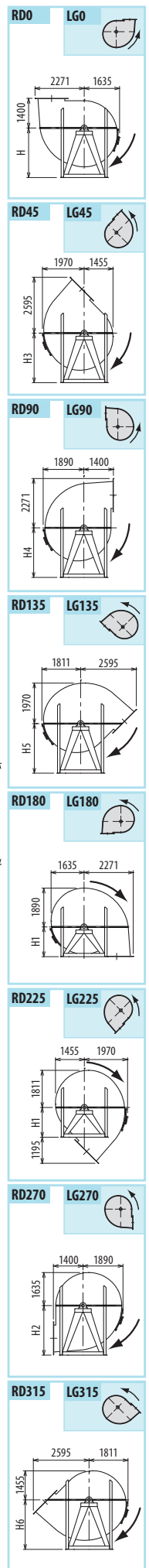
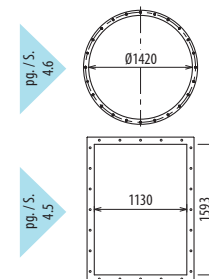
Es. 1



The fan is not revolvable

Type		Weight	PD²													
Fan	Motor			Kg	Kgf x m²	B	I	H	H1	H2	H3	H4	H5	H6		
PRM1400/T		3630	1400			1850	1400	2360	1750	1600	1450	2000				

Further information and sizes



PRM

PRM1400

