

DIRECT DRIVE MOTOR

MD

**Extremely robust, medium pressure and single inlet centrifugal fans with sheet steel casing and impeller
Designed for dusty air**



*The images are provided only for illustrative purposes, the product may vary depending on its size, specifications and position.

- Fan:**
- Sheet steel casing.
 - Impeller with reaction blades in extremely robust sheet steel, specially designed for air that is very dusty and with small size materials suspended in the air.
 - Motor coupled directly.
 - Sizes larger than 1600 will be supplied with the casing disassembled to facilitate transport.
 - Casing continuously welded starting with size 710.

Motor:

- IE3 efficiency motors for powers equal to or higher than 0.75 kW except single-phase, 2-speed and 8-poles.
- Class F motors with ball bearings and IP55 protection.
- Three-phase 230/400 V-50 Hz (up to 4 kW) and 400/690 V-50 Hz (powers higher than 4 kW).
- Maximum temperature of air to be carried: -25°C +90°C.

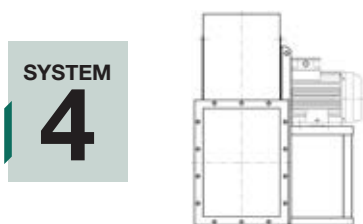
Finish:

- Anti-corrosive finish of polyester resin polymerised at 190°C, previously degreased with phosphate-free nanotechnological treatment.

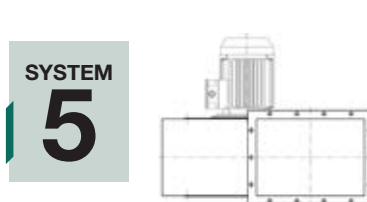
On request:

- Special windings for different voltages.
- Fan prepared for air transmission of up to +150°C.
- Special executions for temperatures of +300°C.
- Stainless steel fan.
- Category 2 ATEX certification.
- System 8 elastic coupling.

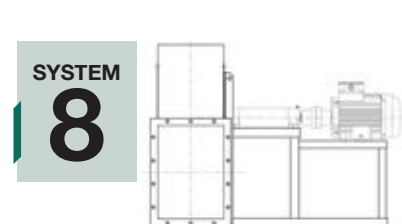
Direct drive motor construction method



Direct drive, impeller mounted on the motor shaft, mounted on the pedestal.



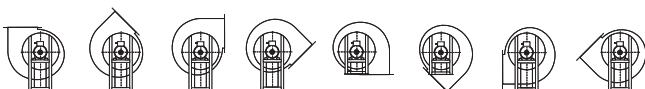
Direct drive, impeller mounted on the motor shaft, flange motor mounted on the fan casing.



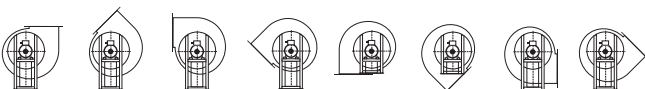
Elastic coupling drive, impeller mounted on the support shaft, mounted on the motor via an elastic coupling. Everything mounted together on a fan pedestal.

Orientations

RD 0 RD45 RD90 RD135 RD180 RD225 RD270 RD315



LG 0 LG45 LG90 LG135 LG180 LG225 LG270 LG315





BELT-DRIVEN MOTOR

MD/R

Belt-driven, medium pressure fans fitted with electric motors and a standardised set of pulleys, belts and protectors in accordance with standard ISO 13857
Designed for dusty air



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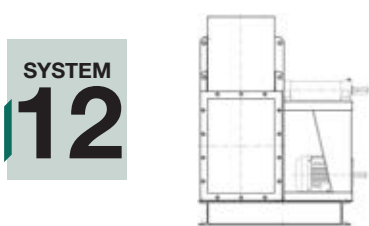
- Fan:**
- Sheet steel casing.
 - Impeller with reaction blades in extremely robust sheet steel, specially designed for air that is very dusty and with small size materials suspended in the air.
 - Motor assembled on the general bench.
 - Sizes larger than 1600 will be supplied with the casing disassembled to facilitate transport.
 - Casing continuously welded starting with size 710.

- Motor:**
- IE3 efficiency motors.
 - Class F motors with ball bearings and IP55 protection.
 - Three-phase 230/400 V-50 Hz (up to 4 kW) and 400/690 V-50 Hz (powers higher than 4 kW).
 - Maximum temperature of air to be carried: -25°C +90°C.

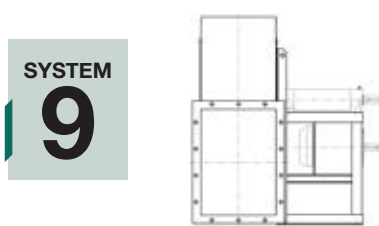
- Finish:**
- Anti-corrosive finish of polyester resin polymerised at 190°C, previously degreased with phosphate-free nanotechnological treatment.

- On request:**
- Special windings for different voltages.
 - Fan prepared for air transmission of up to +300°C.
 - Stainless steel fan.
 - Category 2 ATEX certification.
 - System 8 elastic coupling.

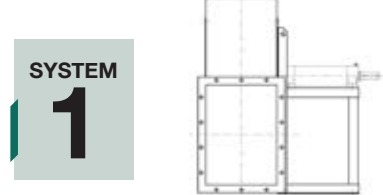
Belt-driven motor construction method



Transmission drive, identical to SYSTEM 1, with the motor and fan mounted on the common bench. Motor positions "W" or "Z" and exceptionally "X" or "Y".

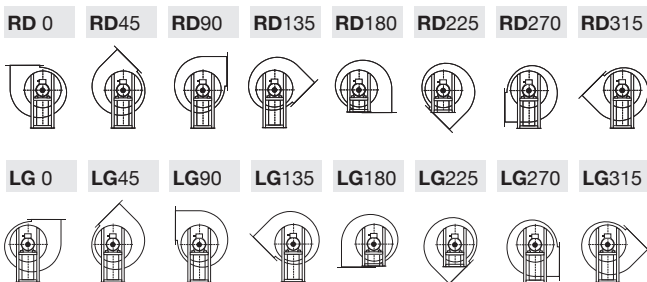


Transmission drive, identical to SYSTEM 1, with the motor mounted on the side of the pedestal, in position "W" or "Z".



Transmission drive, impeller mounted on the support shaft. Support mounted on the pedestal.

Orientations



QUICK SELECT SYSTEM 4

Impulsion characteristics

Model	Frame	kW abs.	kW inst.	RPM	dB	V m ³ /s																	
						0.35	0.4	0.45	0.55	0.6	0.65	0.75	0.85	0.95	1.05	1.2	1.3	1.5	1.7	1.9			
						Pt kgf/m ² =mmH ₂ O																	
MD 400/B	90 L/2	2	2.2	2840	75	225	225	223	220	210	200	190	180										
MD 400/A	100 LA/2	2.6	3	2850	76	270	270	265	260	255	250	235	220	205	190	140	115						
MD 450/B	112 M/2	3.7	4	2860	78				305	305	300	295	290	280	275	260							
MD 450/A	132 SA/2	4.4	5.5	2900	84				350	350	345	340	335	325	310	290	270	240	190	130			
MD 500/B	132 SB/2	6.4	7.5	2900	85							380	380	375	370	365	355	330	300				
MD 500/A	160 MA/2	7.6	11	2910	87							440	440	435	430	420	405	385	365	335			
MD 560/B	160 MA/2	10.6	11	2910	88										490	485	480	475	465	450			
MD 560/A	160 MB/2	13.5	15	2930	88										560	555	550	545	535	510			
MD 630/B	180 MB/2	20	22	2950	88													635	630	625			
MD 630/A	200 LA/2	26	30	2950	90														725	720	715		
MD 560/B	90 L/4	1.4	1.5	1380	68				120	120	118	115	114	112	105	95							
MD 560/A	100 LA/4	1.8	2.2	1410	69				135	135	132	130	128	125	120	115	105	100	75	60			
MD 630/B	100 LB/4	2.7	3	1410	70							160	160	158	155	150	145	140	130				
MD 630/A	112 M/4	3.5	4	1420	71							180	180	178	175	170	165	160	150	140			
MD 710/B	112 M/4	3.9	4	1420	72										195	194	190	185	180	175			
MD 710/A	132 S/4	5.4	5.5	1430	73										220	218	215	212	210	200			
MD 800/B	132 MA/4	7.4	7.5	1430	75													240	240	235			
MD 800/A	160 M/4	10	11	1465	78													282	280	280			
MD 900/B	132 MA/6	3.9	4	950	68												130	130	128	127			
MD 900/A	132 MB/6	5	5.5	950	69												150	150	145	143			
MD 1000/B	160 M/6	6.5	7.5	960	70															165			
MD 1000/A	160 L/6	8.7	11	960	71															190			

Flow margin ±5%
Noise level margin +3...5 dB

Model	Frame	kW abs.	kW inst.	RPM	dB	V m ³ /s																	
						2.1	2.3	2.7	3	3.3	3.7	4.2	4.7	5.3	6	6.5	7.5	8.5	9.5	10.5			
						Pt kgf/m ² =mmH ₂ O																	
MD 500/A	160 MA/2	7.6	11	2910	87	300	260	160															
MD 560/B	160 MA/2	10.6	11	2910	88	420	405																
MD 560/A	160 MB/2	13.5	15	2930	88	500	475	425	375														
MD 630/B	180 MB/2	20	22	2950	88	615	605	585	550	505													
MD 630/A	200 LA/2	26	30	2950	90	705	695	670	640	600	550	490	400	300									
MD 710/B	200 LB/2	36	37	2960	91	800	790	785	765	750	740	700	660										
MD 710/A	225 M/2	44	45	2960	92	905	903	900	880	860	850	815	760	700	625	550	380						
MD 800/B	280 S/2	64	75	2970	93				1050	1040	1025	1020	1000	970	920	850							
MD 800/A	280 M/2	84	90	2970	94				1200	1180	1175	1160	1140	1100	1050	1000	950	800	650	500			
MD 900/B	315 MA/2	116	132	2980	96							1320	1310	1300	1280	1250	1220	1180	1050				
MD 900/A	315 MB/2	150	160	2980	98							1500	1490	1480	1450	1420	1400	1350	1250	1180			
MD 630/A	112 M/4	3.5	4	1420	71	120	105	75															
MD 710/B	112 M/4	3.9	4	1420	72	175																	
MD 710/A	132 S/4	5.4	5.5	1430	73	190	180	170	150	120													
MD 800/B	132 MA/4	7.4	7.5	1430	75	225	220	215	210														
MD 800/A	160 M/4	10	11	1465	78	275	270	260	250	240	220	200	160	120									
MD 900/B	160 L/4	14	15	1465	80		320	318	315	310	300	290	270										
MD 900/A	180 L/4	20	22	1470	82		370	365	360	350	340	330	315	290	260	220	160						
MD 1000/B	200 L/4	26	30	1470	84				390	390	380	375	370	360	350	330							
MD 1000/A	225 S/4	32	37	1480	86				455	452	450	440	430	425	400	380	350	300	250	180			
MD 1120/B	225 M/4	44	45	1480	87							500	490	485	475	470	460	400	380				
MD 1120/A	250 M/4	54	55	1480	89							575	570	565	555	550	540	500	475	450			
MD 1250/B	280 S/4	74	75	1485	90										630	630	620	620	610	590			
MD 1250/A	315 S/4	98	110	1485	92										730	725	720	710	680	660			
MD 1400/B	315 MA/4	130	132	1485	94													800	795	790			
MD 1400/A	315 MC/4	170	200	1485	95													920	920	910			

Flow margin ±5%
Noise level margin +3...5 dB



QUICK SELECT SYSTEM 4

Impulsion characteristics

Model	Frame	kW abs.	kW inst.	RPM	dB	V m ³ /s															
						2.1	2.3	2.7	3	3.3	3.7	4.2	4.7	5.3	6	6.5	7.5	8.5	9.5	10.5	
						Pt kgf/m ² =mmH ₂ O															
MD 900/B	132 MA/6	3.9	4	950	68	125	120	115	105												
MD 900/A	132 MB/6	5	5.5	950	69	140	138	135	125	115	100	80	60								
MD 1000/B	160 M/6	6.5	7.5	960	70	163	160	158	155	154	145	135									
MD 1000/A	160 L/6	8.7	11	960	71	188	188	185	180	170	165	160	145	130	100	75					
MD 1120/B	180 L/6	12	15	970	74			215	213	210	208	205	200	185	180						
MD 1120/A	200 LA/6	15	18.5	975	75			250	245	240	235	230	225	220	205	190	170	150	100		
MD 1250/B	200 LB/6	20	22	975	76						270	265	260	258	255	245	235	210			
MD 1250/A	225 M/6	27	30	980	77						320	315	310	305	295	285	275	265	245	230	
MD 1400/B	250 M/6	36	37	980	80										345	340	335	330	325	315	300
MD 1400/A	280 M/6	49	55	985	81										400	395	390	385	380	370	350

Flow margin ±5%
Noise level margin +3...5 dB

Model	Frame	kW abs.	kW inst.	RPM	dB	V m ³ /s															
						12	13	15	17	19	21	23	27	30							
						Pt kgf/m ² =mmH ₂ O															
MD 900/A	315 MB/2	150	160	2980	98	1075	950	620													
MD 1120/A	250 M/4	54	55	1480	89	380	325	230													
MD 1250/B	280 S/4	74	75	1485	90	560	510														
MD 1250/A	315 S/4	98	110	1485	92	640	610	560	480	380	270										
MD 1400/B	315 MA/4	130	132	1485	94	780	760	730	680	630											
MD 1400/A	315 MC/4	170	200	1485	95	900	880	850	810	760	710	630	500	380							
MD 1250/A	225 M/6	27	30	980	77	185	120														
MD 1400/B	250 M/6	36	37	980	80	280															
MD 1400/A	280 M/6	49	55	985	81	340	320	280	240	165											

Flow margin ±5%
Noise level margin +3...5 dB

QUICK SELECT SYSTEM 4

Inlet characteristics

Model	Frame	kW abs.	kW inst.	RPM	dB	V m ³ /s														
						0.35	0.4	0.45	0.55	0.6	0.65	0.75	0.85	0.95	1.05	1.2	1.3	1.5	1.7	1.9
						Pt kgf/m ² =mmH ₂ O														
MD 400/B	90 L/2	2	2.2	2840	78	214	214	212	209	200	190	181	171							
MD 400/A	100 LA/2	2.6	3	2850	79	257	257	252	247	242	238	223	209	195	181	133	109			
MD 450/B	112 M/2	3.7	4	2860	81				290	290	285	280	276	266	261	247				
MD 450/A	132 SA/2	4.4	5.5	2900	87				333	333	328	323	318	309	295	276	257	228	181	124
MD 500/B	132 SB/2	6.4	7.5	2900	88							361	361	356	352	347	337	314	285	
MD 500/A	160 MA/2	7.6	11	2910	90							418	418	413	409	399	385	336	347	318
MD 560/B	160 MA/2	10.6	11	2910	91										466	461	456	451	442	428
MD 560/A	160 MB/2	13.5	15	2930	91										532	527	523	518	508	485
MD 630/B	180 MB/2	20	22	2950	91													603	599	594
MD 630/A	200 LA/2	26	30	2950	93													689	684	679
MD 560/B	90 L/4	1.4	1.5	1380	71				114	114	112	109	108	106	100	90				
MD 560/A	100 LA/4	1.8	2.2	1410	72				128	128	125	124	122	119	114	109	100	95	71	57
MD 630/B	100 LB/4	2.7	3	1410	73							152	152	150	147	143	138	133	124	
MD 630/A	112 M/4	3.5	4	1420	74							171	171	169	166	162	157	152	143	133
MD 710/B	112 M/4	3.9	4	1420	75										185	184	181	176	171	166
MD 710/A	132 S/4	5.4	5.5	1430	76										209	207	204	201	200	190
MD 800/B	132 MA/4	7.4	7.5	1430	78													228	228	223
MD 800/A	160 M/4	10	11	1465	81													268	266	266
MD 900/B	132 MA/6	3.9	4	950	71												124	124	122	121
MD 900/A	132 MB/6	5	5.5	950	72												143	143	138	136
MD 1000/B	160 M/6	6.5	7.5	960	73															157
MD 1000/A	160 L/6	8.7	11	960	74															181

Flow margin ±5%
Noise level margin +3...5 dB

Model	Frame	kW abs.	kW inst.	RPM	dB	V m ³ /s														
						2.1	2.3	2.7	3	3.3	3.7	4.2	4.7	5.3	6	6.5	7.5	8.5	9.5	10.5
						Pt kgf/m ² =mmH ₂ O														
MD 500/A	160 MA/2	7.6	11	2910	90	285	247	152												
MD 560/B	160 MA/2	10.6	11	2910	91	399	385													
MD 560/A	160 MB/2	13.5	15	2930	91	475	451	404	356											
MD 630/B	180 MB/2	20	22	2950	91	584	575	556	523	480										
MD 630/A	200 LA/2	26	30	2950	93	670	660	637	608	570	523	466	380	285						
MD 710/B	200 LB/2	36	37	2960	94	760	751	746	727	713	703	665	627							
MD 710/A	225 M/2	44	45	2960	95	860	858	855	836	817	808	774	722	665	594	523	361			
MD 800/B	280 S/2	64	75	2970	96				998	988	974	969	950	922	874	808				
MD 800/A	280 M/2	84	90	2970	97				1140	1121	1116	1102	1083	1045	998	950	903	760	618	475
MD 900/B	315 MA/2	116	132	2980	99							1254	1245	1235	1216	1188	1159	1121	998	
MD 900/A	315 MB/2	150	160	2980	101							1425	1416	1406	1378	1349	1330	1283	1188	1121
MD 630/A	112 M/4	3.5	4	1420	74	114	100	71												
MD 710/B	112 M/4	3.9	4	1420	75	166														
MD 710/A	132 S/4	5.4	5.5	1430	76	181	171	162	143	114										
MD 800/B	132 MA/4	7.4	7.5	1430	78	214	209	204	200											
MD 800/A	160 M/4	10	11	1465	81	261	257	247	238	228	209	190	152	114						
MD 900/B	160 L/4	14	15	1465	83		304	302	299	295	285	276	257							
MD 900/A	180 L/4	20	22	1470	85		352	347	342	333	323	314	299	276	247	209	152			
MD 1000/B	200 L/4	26	30	1470	87				371	371	361	356	352	342	333	314				
MD 1000/A	225 S/4	32	37	1480	89				432	429	428	418	409	404	380	361	333	285	238	171
MD 1120/B	225 M/4	44	45	1480	90							475	466	461	451	447	437	380	361	
MD 1120/A	250 M/4	54	55	1480	92							546	542	537	527	523	513	475	451	428
MD 1250/B	280 S/4	74	75	1485	93										599	599	589	589	580	561
MD 1250/A	315 S/4	98	110	1485	95										694	689	684	675	646	627
MD 1400/B	315 MA/4	130	132	1485	97													760	755	751
MD 1400/A	315 MC/4	170	200	1485	98													874	874	865

Flow margin ±5%
Noise level margin +3...5 dB



QUICK SELECT SYSTEM 4

Inlet characteristics

Model	Frame	kW abs.	kW inst.	RPM	dB	V m ³ /s															
						2.1	2.3	2.7	3	3.3	3.7	4.2	4.7	5.3	6	6.5	7.5	8.5	9.5	10.5	
						Pt kgf/m ² =mmH ₂ O															
MD 900/B	132 MA/6	3.9	4	950	71	119	114	109	100												
MD 900/A	132 MB/6	5	5.5	950	72	133	131	128	119	109	95	76	57								
MD 1000/B	160 M/6	6.5	7.5	960	73	155	152	150	147	146	138	128									
MD 1000/A	160 L/6	8.7	11	960	74	179	179	176	171	162	157	152	138	124	95	71					
MD 1120/B	180 L/6	12	15	970	77			204	202	200	198	195	190	176	171						
MD 1120/A	200 LA/6	15	18.5	975	78			238	233	228	223	219	214	209	195	181	162	143	95		
MD 1250/B	200 LB/6	20	22	975	79						257	252	247	245	242	233	223	200			
MD 1250/A	225 M/6	27	30	980	80						304	299	295	290	280	271	261	252	233	219	
MD 1400/B	250 M/6	36	37	980	83										328	323	318	314	309	299	285
MD 1400/A	280 M/6	49	55	985	84										380	375	371	366	361	352	333

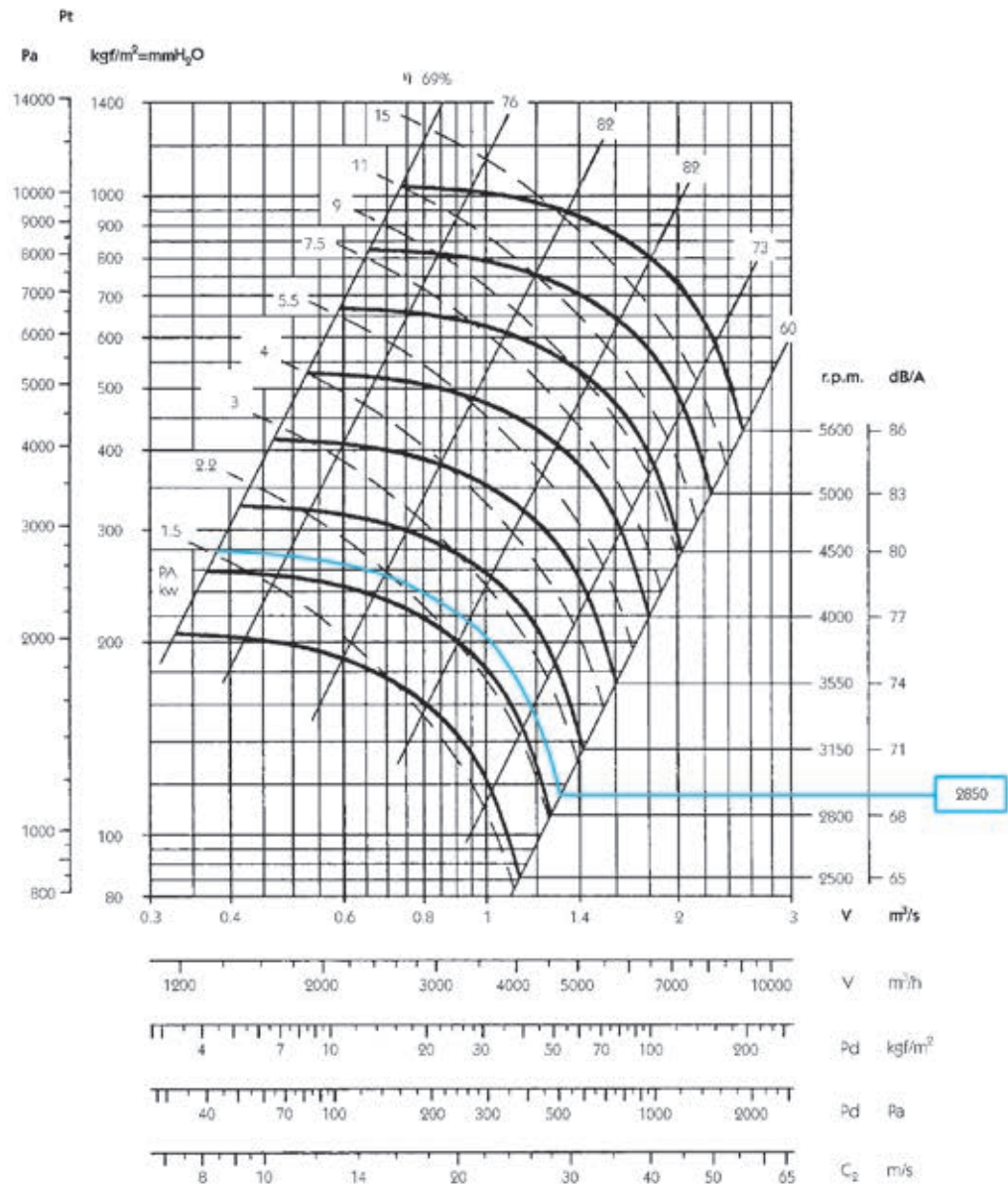
Flow margin ±5%
Noise level margin +3...5 dB

Model	Frame	kW abs.	kW inst.	RPM	dB	V m ³ /s											
						12	13	15	17	19	21	23	27	30			
						Pt kgf/m ² =mmH ₂ O											
MD 900/A	315 MB/2	150	160	2980	101	1021	903	589									
MD 1120/A	250 M/4	54	55	1480	92	361	309	219									
MD 1250/B	280 S/4	74	75	1485	93	532	485										
MD 1250/A	315 S/4	98	110	1485	95	608	580	532	456	361	257						
MD 1400/B	315 MA/4	130	132	1485	97	741	722	694	646	599							
MD 1400/A	315 MC/4	170	200	1485	98	855	836	808	770	722	675	599	475	361			
MD 1250/A	225 M/6	27	30	980	80	176	114										
MD 1400/B	250 M/6	36	37	980	83	266											
MD 1400/A	280 M/6	49	55	985	84	323	304	266	228	157							

Flow margin ±5%
Noise level margin +3...5 dB

Characteristic curves

MD 400



Flow margin $\pm 5\%$
Noise level margin $+3...5$ dB
Margin of kW absorbed $\pm 3\%$

Impulsion characteristics

Maximum admissible RPM

Class 1	
$\leq 100^\circ\text{C}$	6000
100... 200°C	5300
200... 300°C	4750

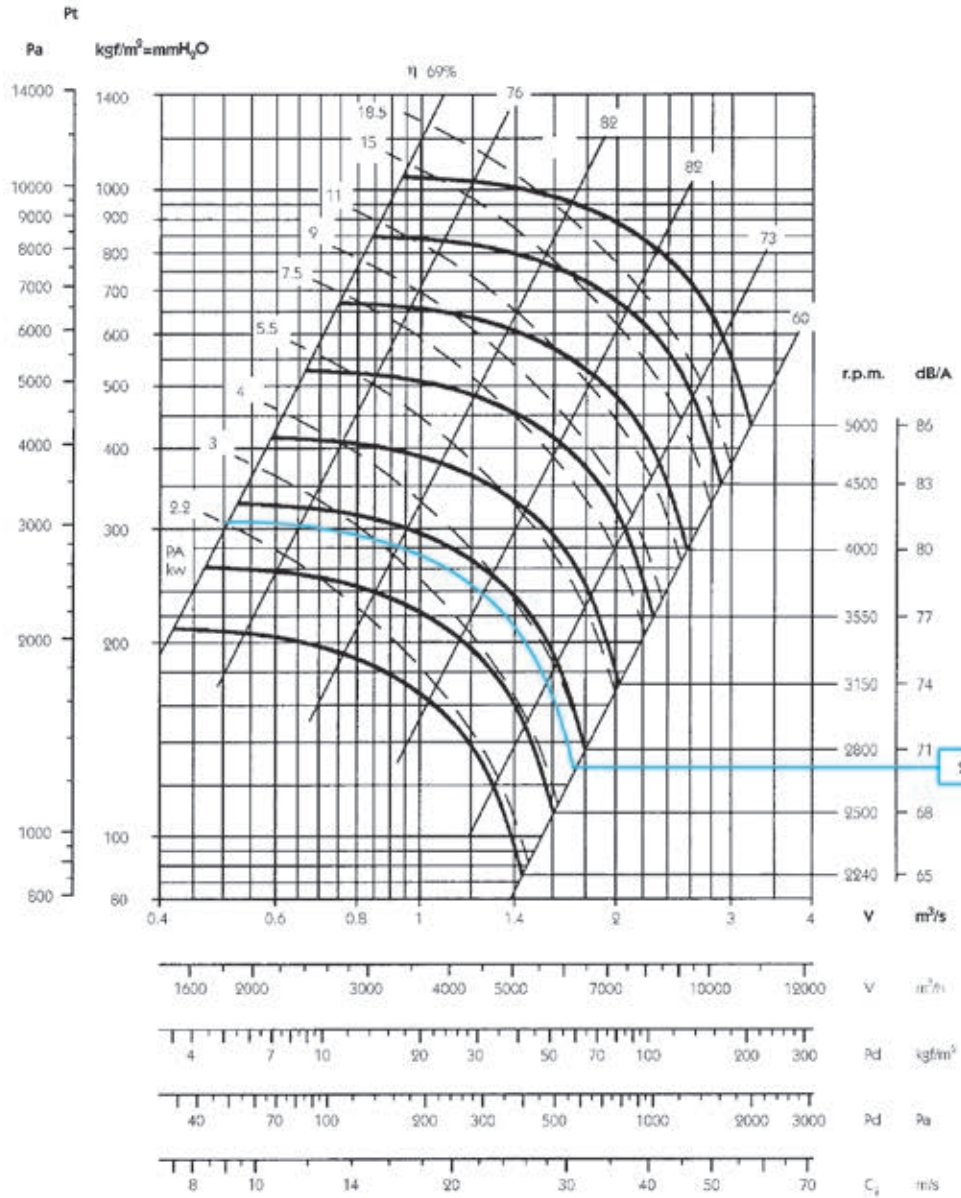
RPM

Characteristics for:
system 4 and 5 in direct
drive motor with 2/4/6/8
poles depending on the
model.



Characteristic curves

MD 450



Flow margin ±5%
 Noise level margin +3...5 dB
 Margin of kW absorbed ±3%

Impulsion characteristics

Maximum admissible RPM

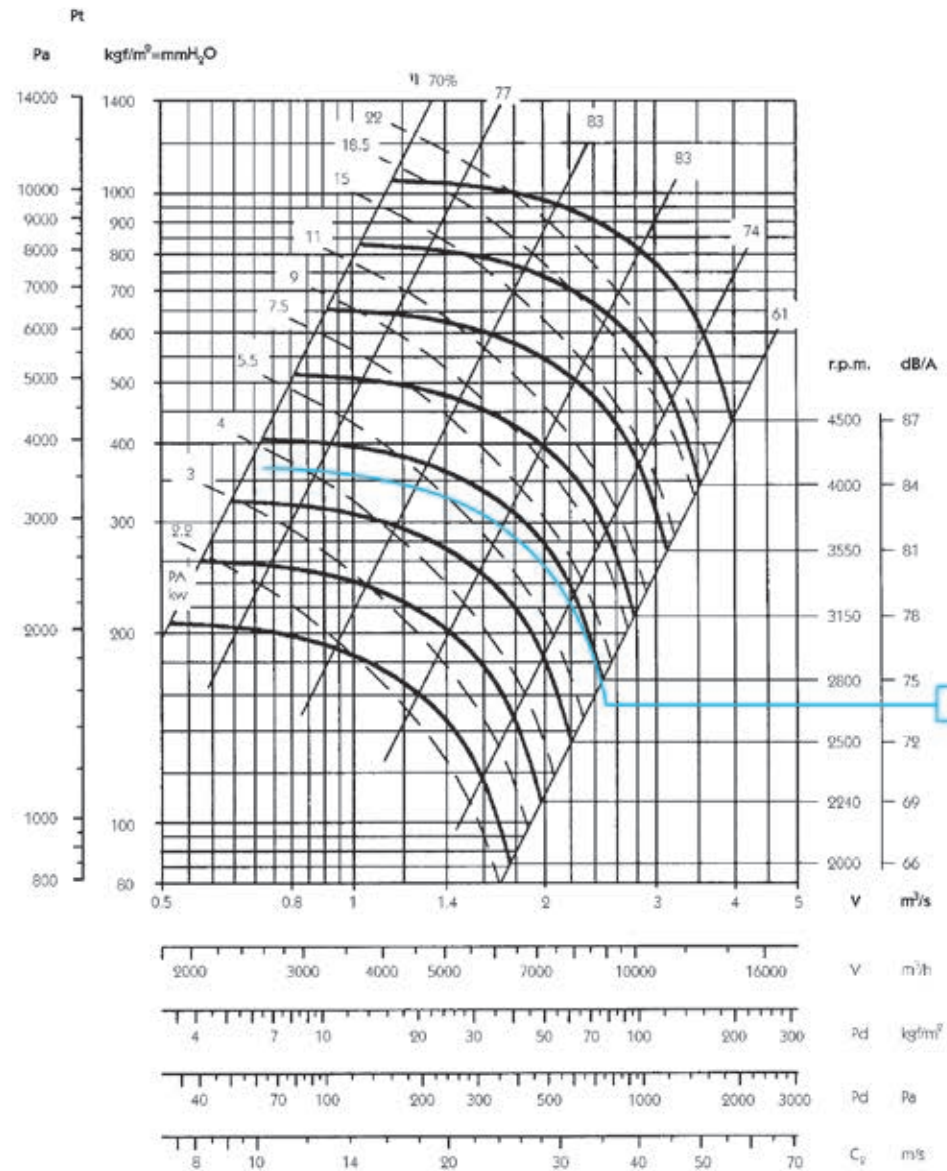
Class 1	
≤ 100°C	5300
100... 200°C	4750
200... 300°C	4250

RPM

Characteristics for:
 system 4 and 5 in direct
 drive motor with 2/4/6/8
 poles depending on the
 model.

Characteristic curves

MD 500



Flow margin $\pm 5\%$
Noise level margin $+3...5$ dB
Margin of kW absorbed $\pm 3\%$

Impulsion characteristics

Maximum admissible RPM

Class 1

$\leq 100^\circ\text{C}$	4750
100... 200°C	4250
200... 300°C	3750

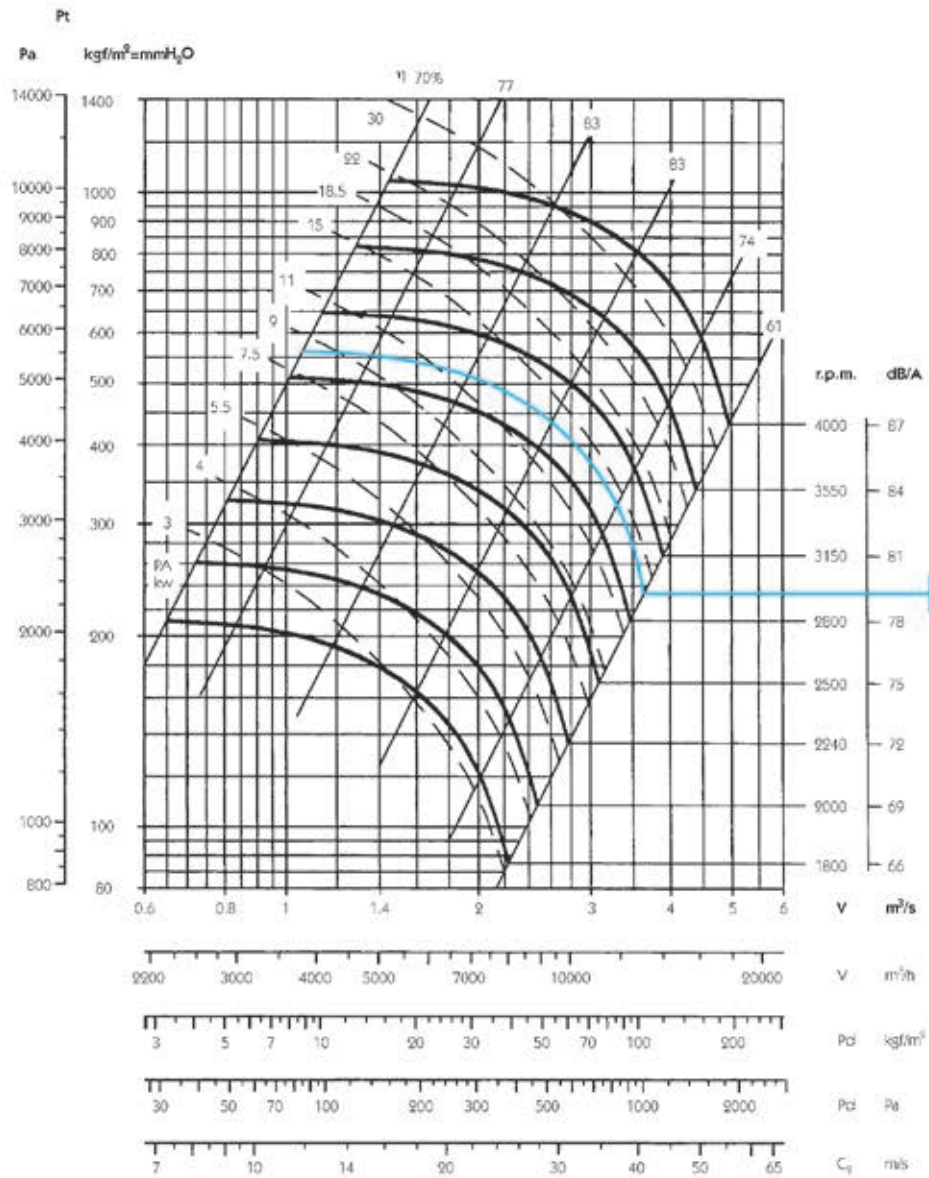
RPM

Characteristics for:
system 4 and 5 in direct
drive motor with 2/4/6/8
poles depending on the
model.



Characteristic curves

MD 560



Flow margin $\pm 5\%$
 Noise level margin $+3...5$ dB
 Margin of kW absorbed $\pm 3\%$

Impulsion characteristics

Maximum admissible RPM

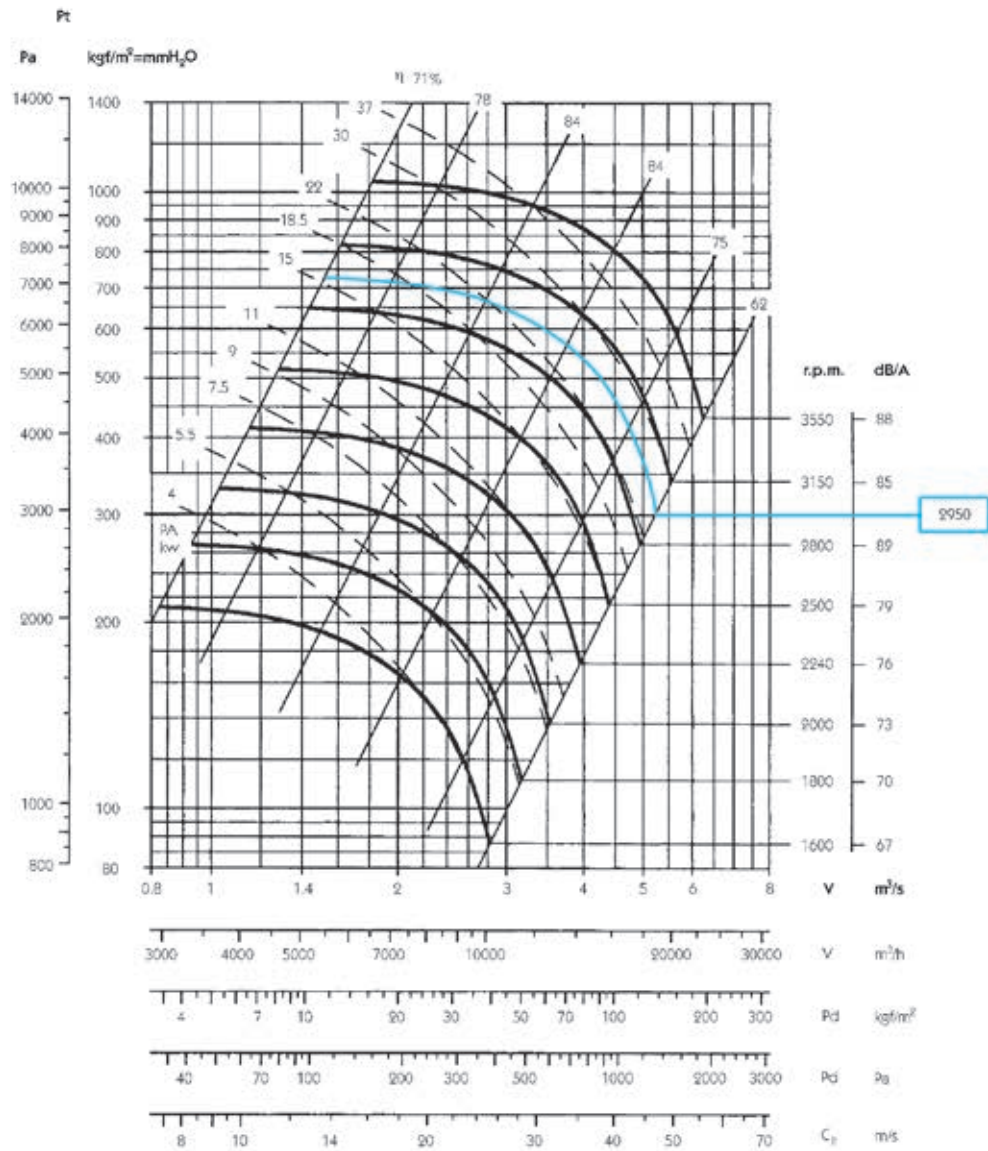
Class 1	
$\leq 100^\circ\text{C}$	4250
100... 200°C	3750
200... 300°C	3350

RPM

Characteristics for:
 system 4 and 5 in direct
 drive motor with 2/4/6/8
 poles depending on the
 model.

Characteristic curves

MD 630



Flow margin $\pm 5\%$
Noise level margin $+3...5$ dB
Margin of kW absorbed $\pm 3\%$

Impulsion characteristics

Maximum admissible RPM

Class 1	
$\leq 100^{\circ}\text{C}$	3750
100... 200 $^{\circ}\text{C}$	3350
200... 300 $^{\circ}\text{C}$	3000

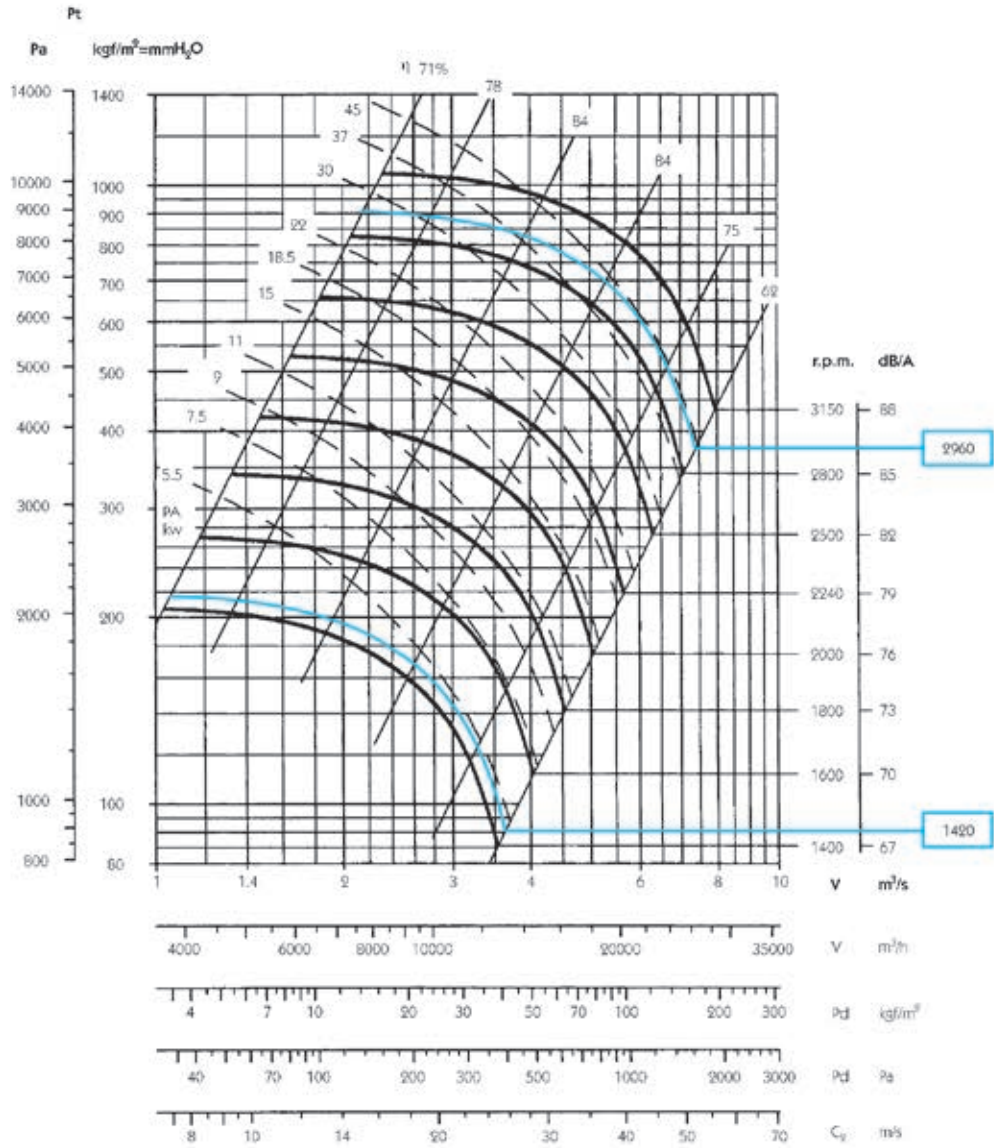
RPM

Characteristics for:
system 4 and 5 in direct
drive motor with 2/4/6/8
poles depending on the
model.



Characteristic curves

MD 710



Flow margin ±5%
 Noise level margin +3...5 dB
 Margin of kW absorbed ±3%

Impulsion characteristics

Maximum admissible RPM

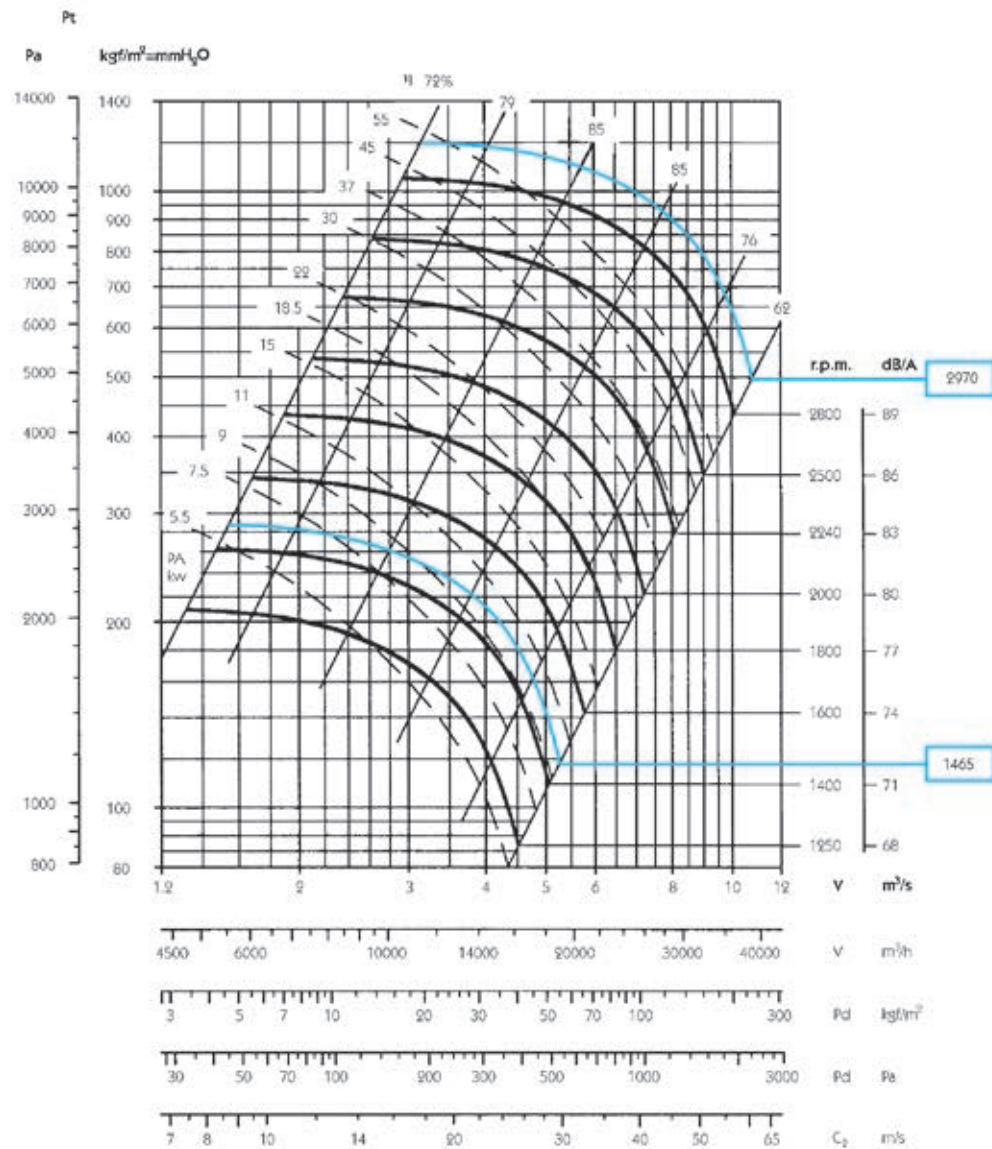
Class 1	
≤ 100°C	3350
100... 200°C	3000
200... 300°C	2650

RPM

Characteristics for:
 system 4 and 5 in direct
 drive motor with 2/4/6/8
 poles depending on the
 model.

Characteristic curves

MD 800



Flow margin ±5%
Noise level margin +3...5 dB
Margin of kW absorbed ±3%

Impulsion characteristics

Maximum admissible RPM

Class 1	
≤ 100°C	3000
100... 200°C	2650
200... 300°C	2360

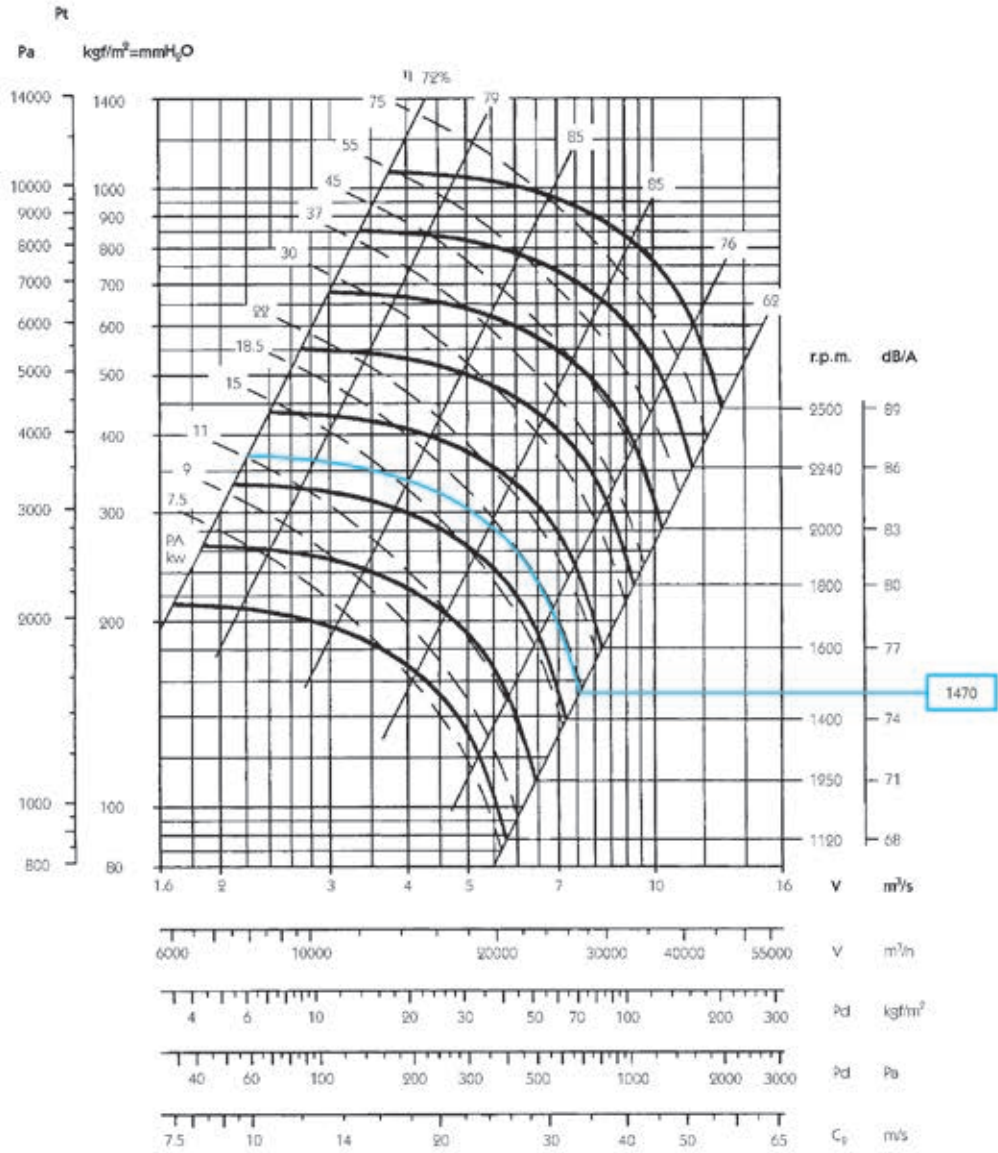
RPM

Characteristics for:
system 4 and 5 in direct
drive motor with 2/4/6/8
poles depending on the
model.



Characteristic curves

MD 900



Flow margin ±5%
 Noise level margin +3...5 dB
 Margin of kW absorbed ±3%

Impulsion characteristics

Maximum admissible RPM

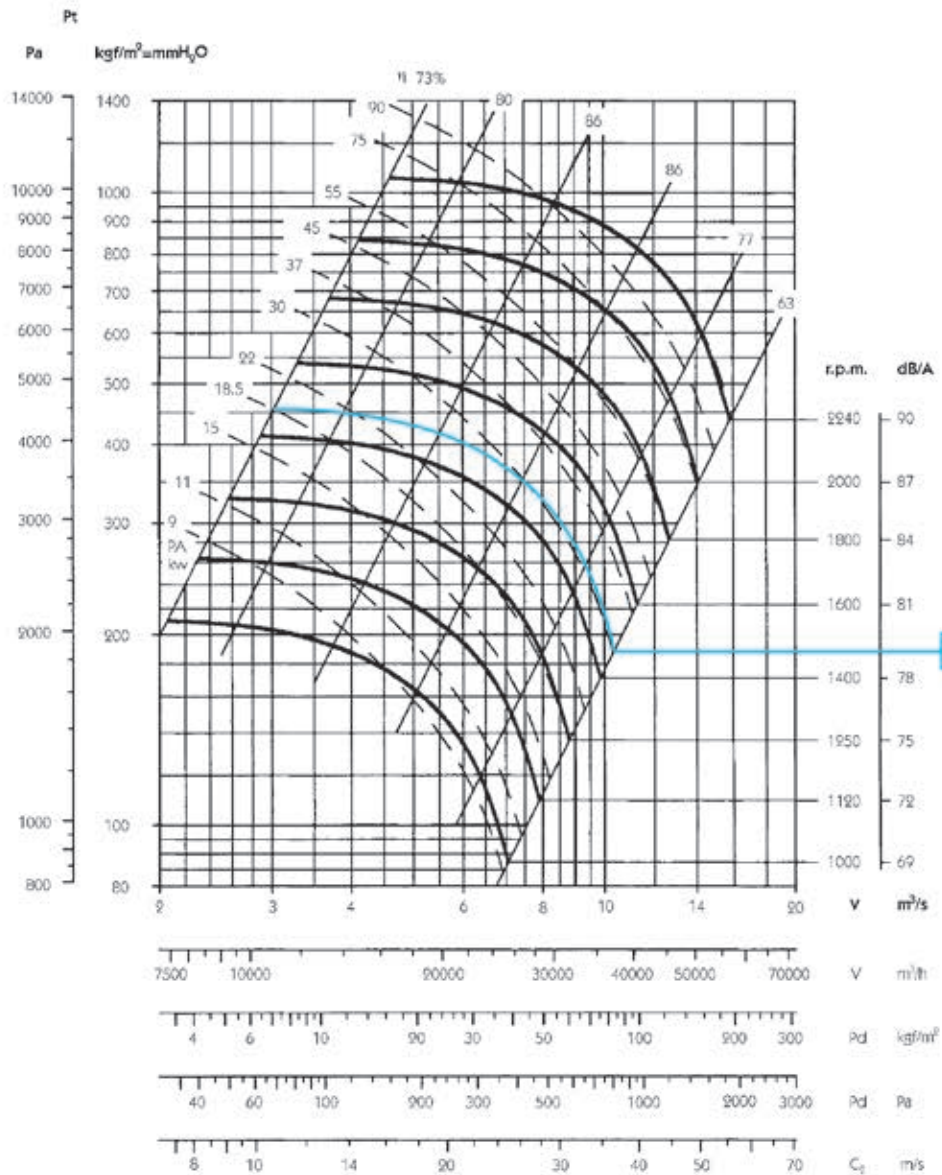
Class 1	
≤ 100°C	2650
100... 200°C	2360
200... 300°C	2120

RPM

Characteristics for:
 system 4 and 5 in direct
 drive motor with 2/4/6/8
 poles depending on the
 model.

Characteristic curves

MD 1000



Flow margin $\pm 5\%$
Noise level margin $+3...5$ dB
Margin of kW absorbed $\pm 3\%$

Impulsion characteristics

Maximum admissible RPM

Class 1	
$\leq 100^{\circ}\text{C}$	2360
100... 200 $^{\circ}\text{C}$	2120
200... 300 $^{\circ}\text{C}$	1900

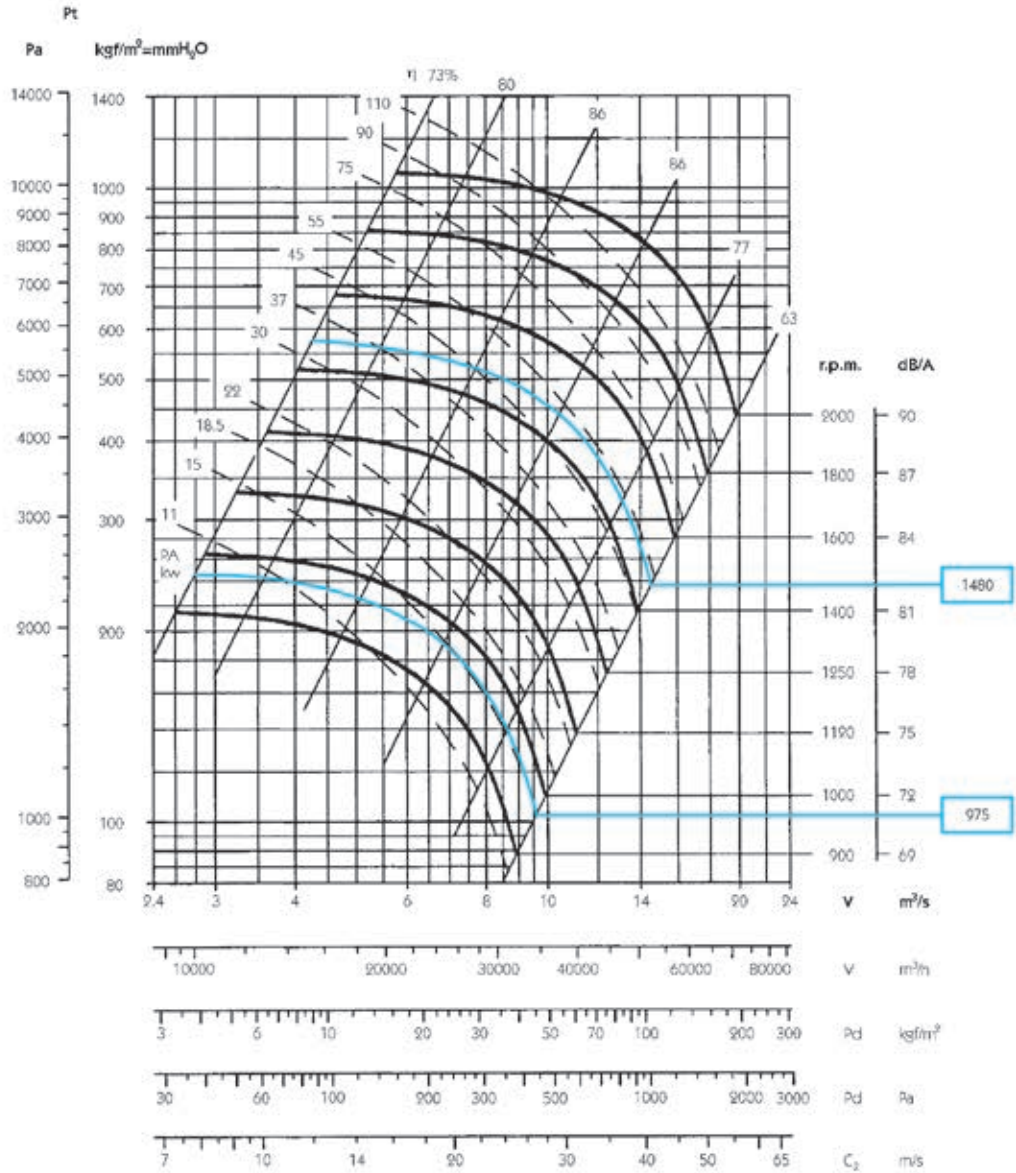
RPM

Characteristics for:
system 4 and 5 in direct
drive motor with 2/4/6/8
poles depending on the
model.



Characteristic curves

MD 1120



Flow margin ±5%
 Noise level margin +3...5 dB
 Margin of kW absorbed ±3%

Impulsion characteristics

Maximum admissible RPM

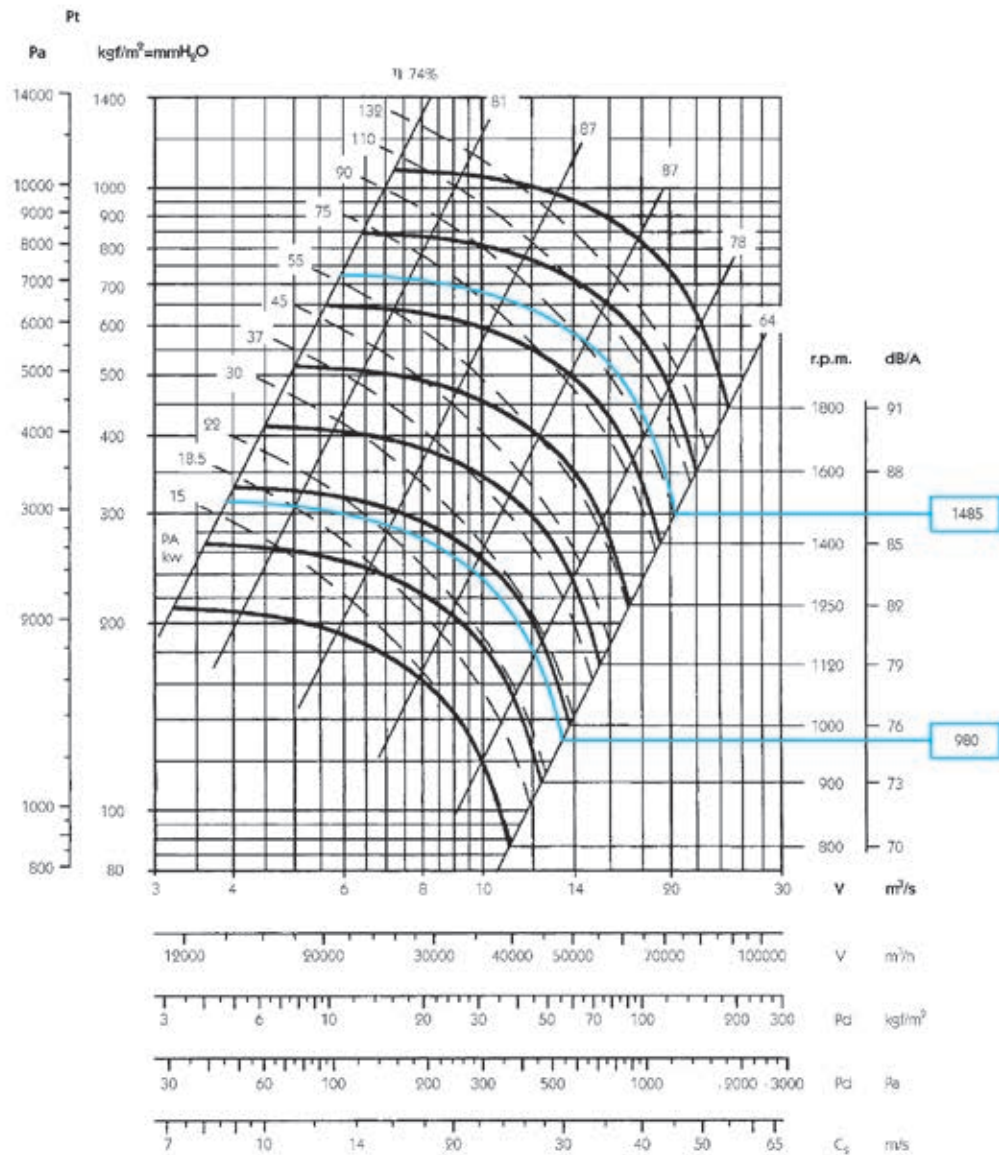
Class 1	
≤ 100°C	2120
100... 200°C	1900
200... 300°C	1700

RPM

Characteristics for:
 system 4 and 5 in direct
 drive motor with 2/4/6/8
 poles depending on the
 model.

Characteristic curves

MD 1250



Flow margin $\pm 5\%$
 Noise level margin $+3...5$ dB
 Margin of kW absorbed $\pm 3\%$

Impulsion characteristics

Maximum admissible RPM

Class 1	
$\leq 100^\circ\text{C}$	1900
100... 200°C	1700
200... 300°C	1500

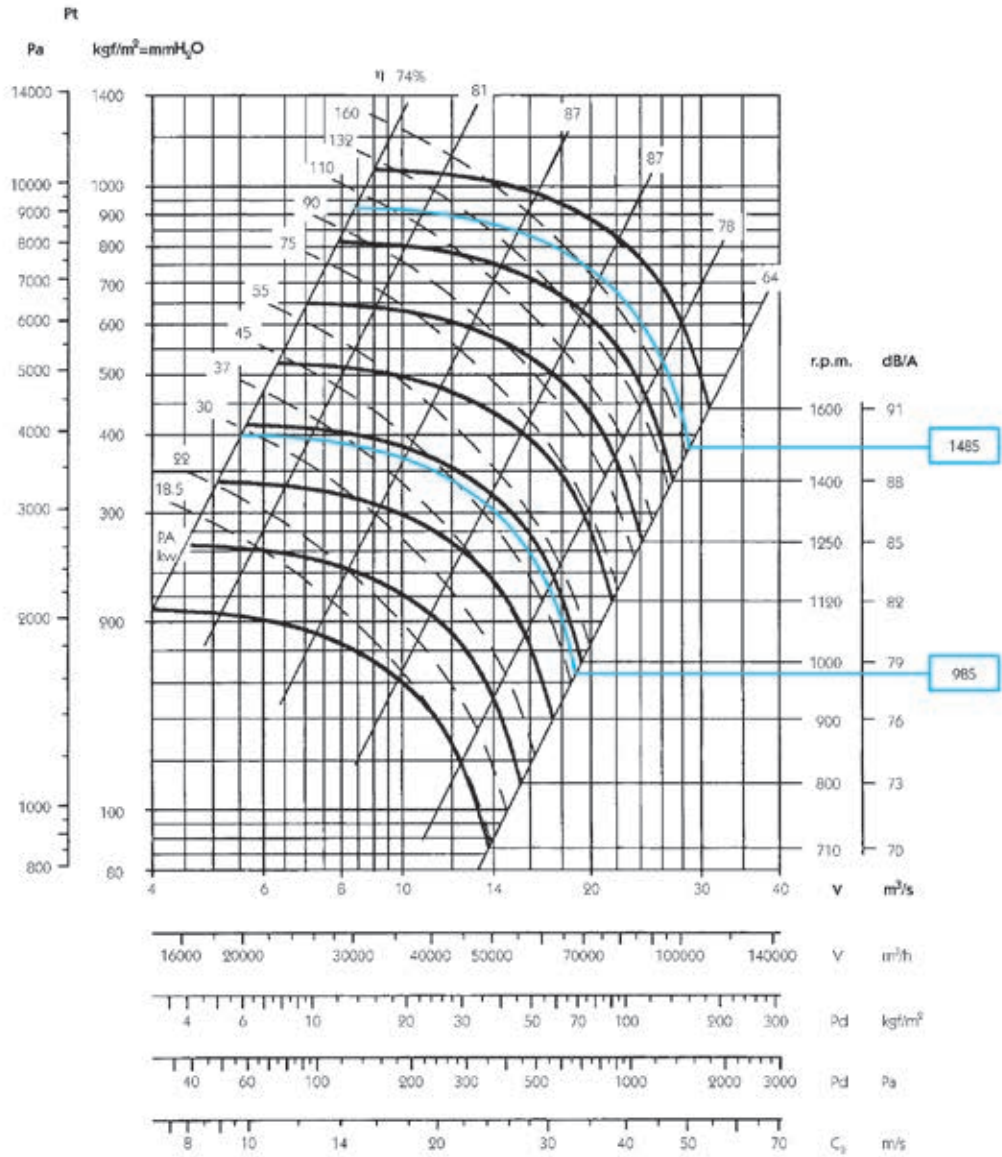
RPM

Characteristics for:
 system 4 and 5 in direct
 drive motor with 2/4/6/8
 poles depending on the
 model.



Characteristic curves

MD 1400



Flow margin ±5%
 Noise level margin +3...5 dB
 Margin of kW absorbed ±3%

Impulsion characteristics

Maximum admissible RPM

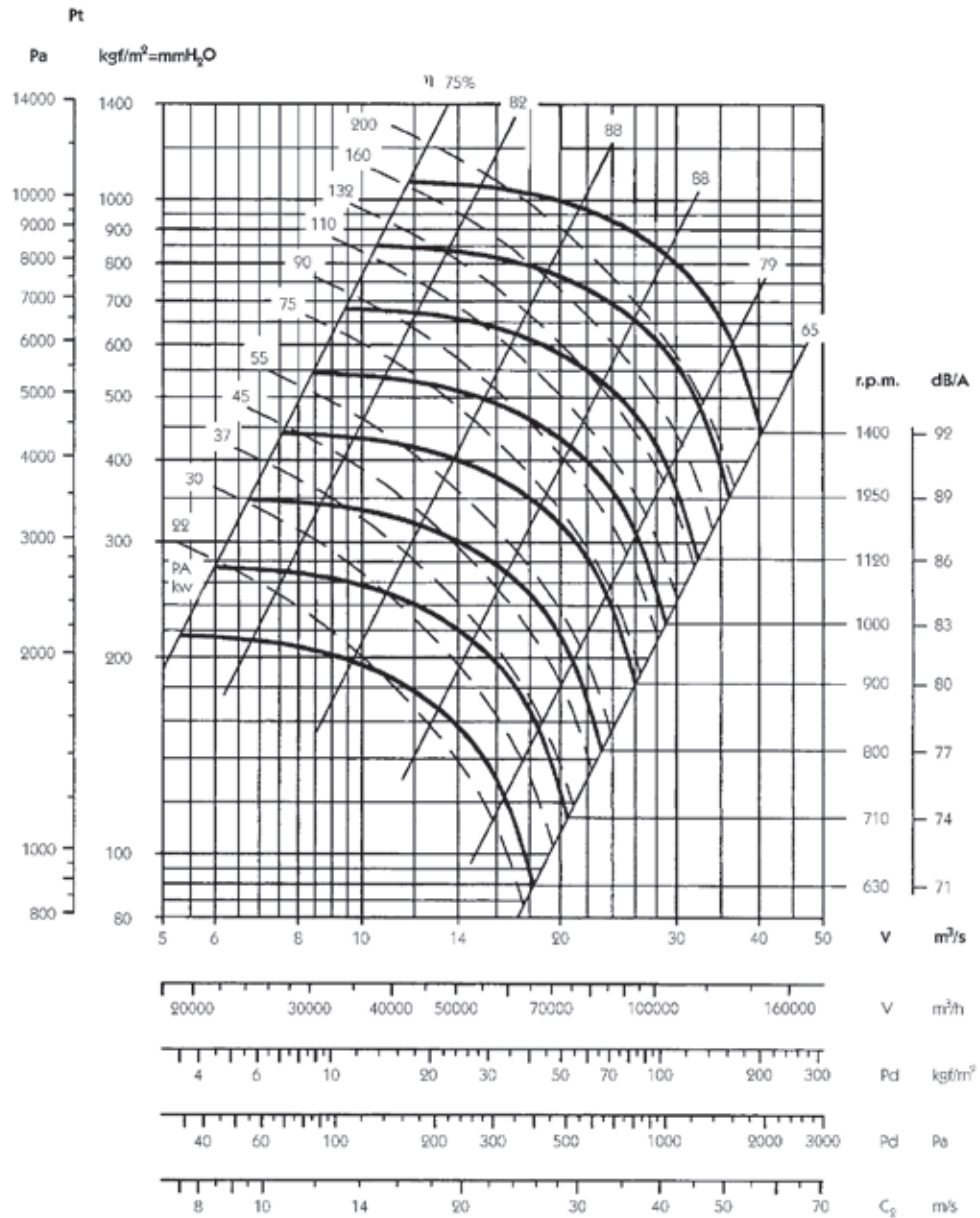
Class 1	
≤ 100°C	1700
100... 200°C	1500
200... 300°C	1320

RPM

Characteristics for:
 system 4 and 5 in direct
 drive motor with 2/4/6/8
 poles depending on the
 model.

Characteristic curves

MD 1600



Flow margin $\pm 5\%$
Noise level margin $+3...5$ dB
Margin of kW absorbed $\pm 3\%$

Impulsion characteristics

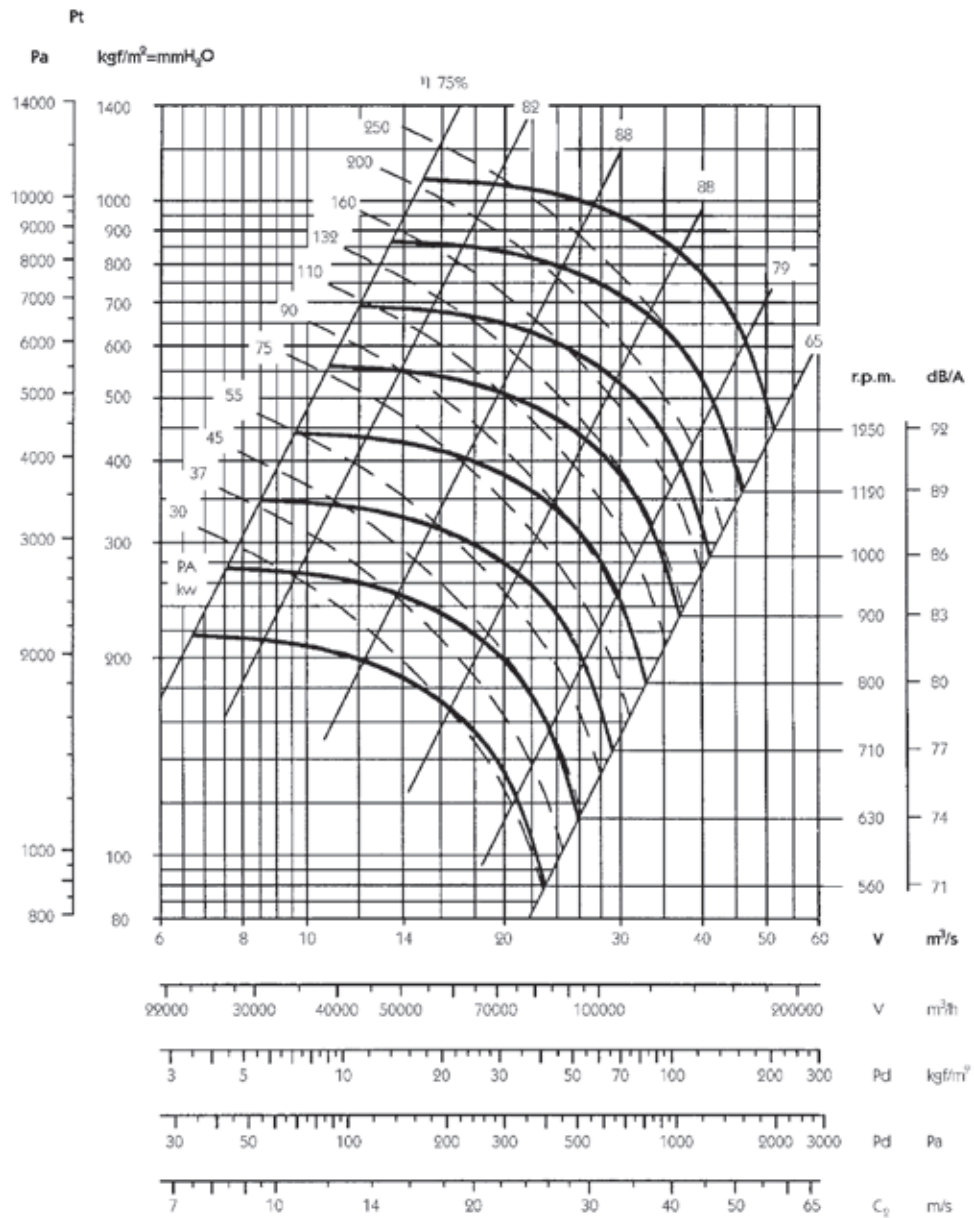
Maximum admissible RPM

Class 1	
$\leq 100^\circ\text{C}$	1500
100... 200°C	1320
200... 300°C	1180



Characteristic curves

MD 1800



Flow margin $\pm 5\%$
 Noise level margin $+3...5$ dB
 Margin of kW absorbed $\pm 3\%$

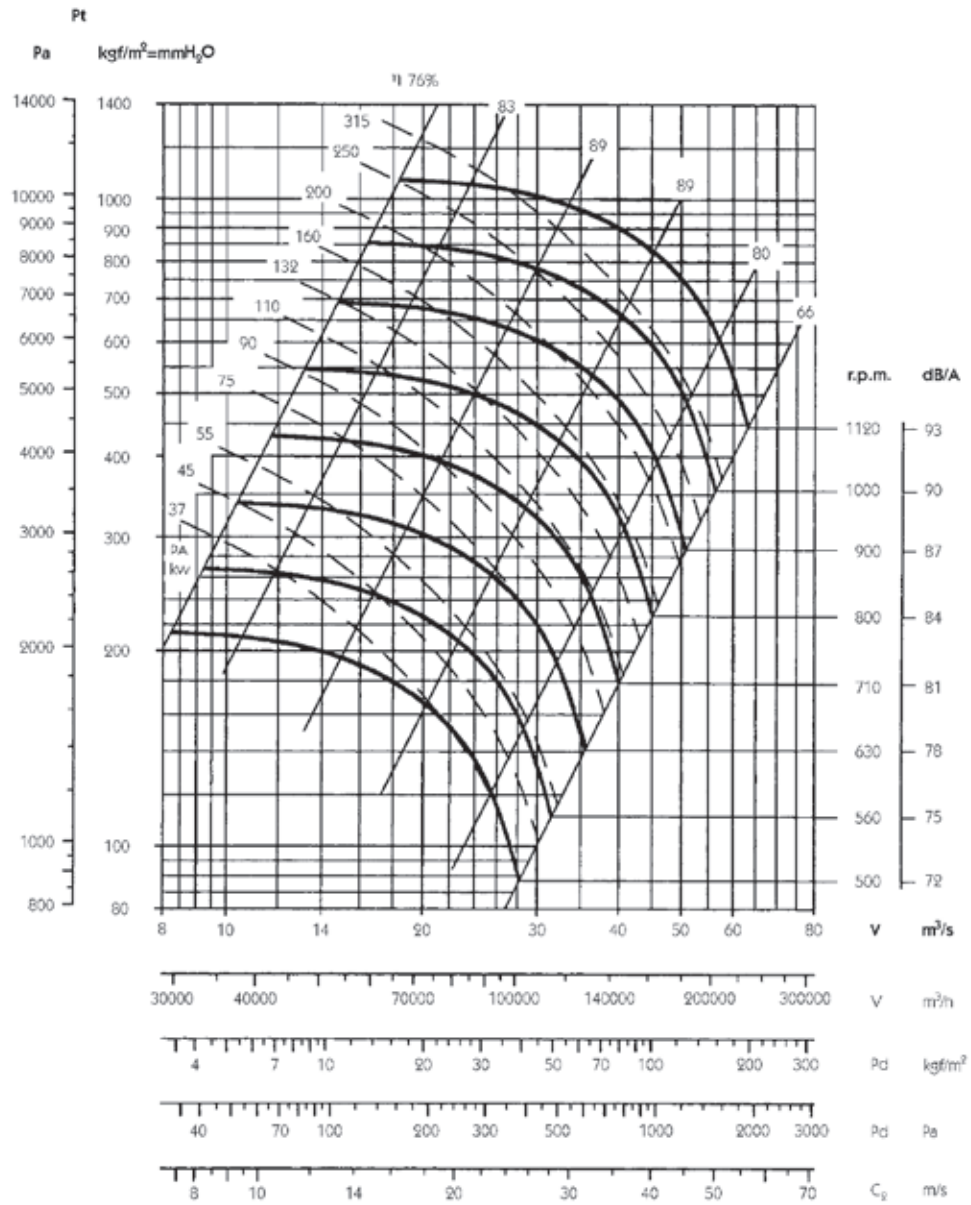
Impulsion characteristics

Maximum admissible RPM

Class 1	
$\leq 100^\circ\text{C}$	1320
100... 200°C	1180
200... 300°C	1060

Characteristic curves

MD 2000



Flow margin $\pm 5\%$
Noise level margin $+3...5$ dB
Margin of kW absorbed $\pm 3\%$

Impulsion characteristics

Maximum admissible RPM

Class 1

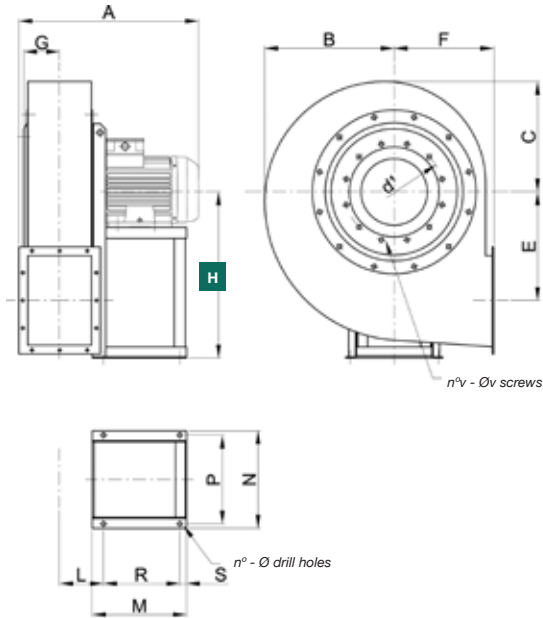
$\leq 100^\circ\text{C}$	1180
100... 200°C	1060
200... 300°C	930



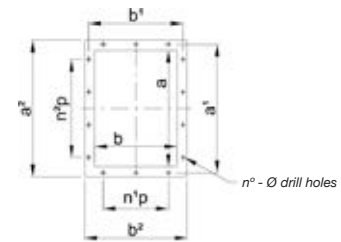
Dimensions mm

SYSTEM
4

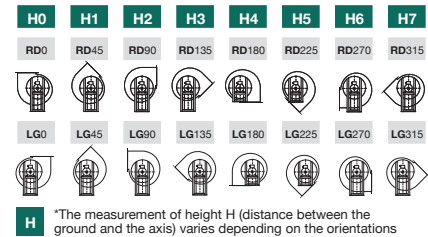
MD 400...500



OUTLET NOZZLE



ORIENTATIONS



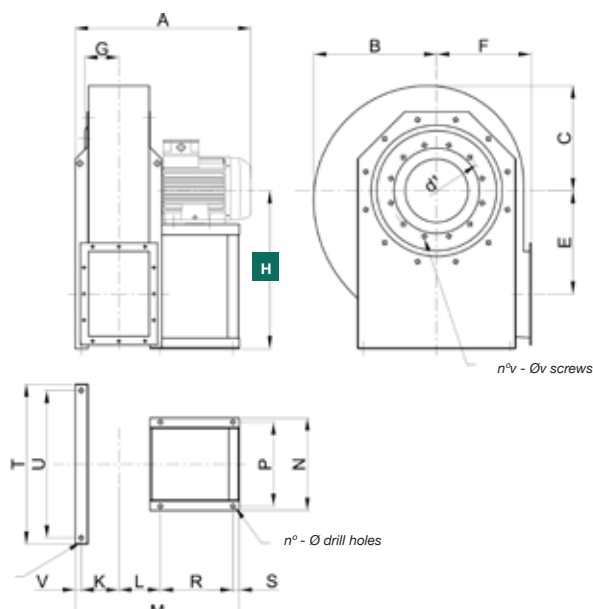
MOD.	FRAME	A*	B	C	E	F	G	HO-1-2-3	H4-5	H6-7	L	K	M*	N	P	R*	S	n°
MD 400/B	90 L/2	515	390	330	319	285	103	500	285	500	145	-	215	269	245	140	25	4
MD 400/A	100 LA/2	545	390	330	319	285	103	500	285	500	145	-	260	312	280	185	25	4
MD 450/B	112 M/2	570	415	355	357	320	114	560	320	560	156	-	260	312	280	185	25	4
MD 450/A	132 SA/2	660	415	355	357	320	114	560	320	560	156	-	320	342	310	245	25	4
MD 500/B	132 SB/2	635	470	400	400	360	129	600	360	600	168	-	320	342	310	245	25	4
MD 500/A	160 MA/2	755	470	400	400	360	129	600	360	600	168	-	425	440	400	345	30	4

MOD.	OUTLET NOZZLE															kg	WD²
	Φ	Φ¹	d¹	n¹v	Φv	a	b	a¹	b¹	a²	b²	n¹p	n²p	n¹f	Φf		
MD 400/B	10	-	292	8	M8	256	183	292	219	326	253	1-112	2-112	10	12	70	0.6
MD 400/A	12	-	292	8	M8	256	183	292	219	326	253	1-112	2-112	10	12	80	0.7
MD 450/B	12	-	332	8	M8	288	205	332	249	368	285	1-125	2-125	10	12	100	1
MD 450/A	12	-	332	8	M8	288	205	332	249	368	285	1-125	2-125	10	12	115	1.1
MD 500/B	12	-	366	8	M8	322	229	366	273	402	309	1-125	2-125	10	12	140	2
MD 500/A	14	-	366	8	M8	322	229	366	273	402	309	1-125	2-125	10	12	200	2.4

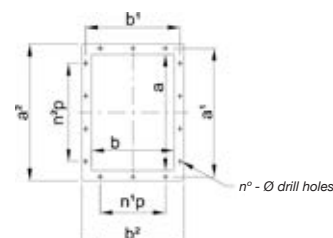
(*) For "HIGH TEMP." constructions, elevations "A-M-R" + 50 mm.
 (kg) = Weight of fan with motor.
 WD² = Moment of inertia of the impeller, expressed in kg x m²

Dimensions mm

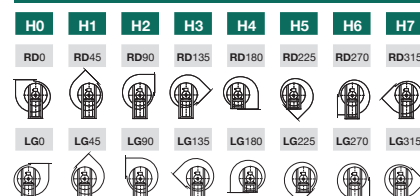
MD 560...630



OUTLET NOZZLE



ORIENTATIONS



H *The measurement of height H (distance between the ground and the axis) varies depending on the orientations

MOD.	FRAME	A*	B	C	E	F	G	HO-1-2-3	H4-5	H6-7	L	K	M*	N	P	R*	S	T
MD 560/B	160 MA/2	805	525	445	436	400	144	670	400	670	181	165	744	440	400	345	30	690
MD 560/A	160 MB/2	805	525	445	436	400	144	670	400	670	181	165	744	440	400	345	30	690
MD 560/B	90 L/4	615	525	445	436	400	144	670	400	670	181	165	534	269	245	140	25	690
MD 560/A	100 LA/4	645	525	445	436	400	144	670	400	670	181	165	579	312	280	185	25	690
MD 630/B	160 L/2	915	590	505	490	450	158	750	450	750	197	179	775	440	400	345	30	760
MD 630/A	200 LA/2	1015	590	505	490	450	158	750	450	750	227	179	890	558	515	420	40	760
MD 630/B	100 LB/4	675	590	505	490	450	158	750	450	750	197	179	610	312	280	185	25	760
MD 630/A	112 M/4	675	590	505	490	450	158	750	450	750	197	179	610	312	280	185	25	760

OUTLET NOZZLE

MOD.	U	V	n°	Φ	Φ'	d'	n°v	Φv	a	b	a'	b'	a²	b²	n°p	n°p'	n°f	Φf	kg	WD²
MD 560/B	630	23	4+2	14	17	405	8	M8	361	256	405	300	441	336	1-125	2-125	10	12	220	3
MD 560/A	630	23	4+2	14	17	405	8	M8	361	256	405	300	441	336	1-125	2-125	10	12	235	3.4
MD 560/B	630	23	4+2	10	17	405	8	M8	361	256	405	300	441	336	1-125	2-125	10	12	130	3
MD 560/A	630	23	4+2	12	17	405	8	M8	361	256	405	300	441	336	1-125	2-125	10	12	140	3.4
MD 630/B	700	23	4+2	14	17	448	12	M8	404	288	448	332	484	368	2-125	3-125	14	12	300	4.4
MD 630/A	700	23	4+2	19	17	448	12	M8	404	288	448	332	484	368	2-125	3-125	14	12	350	5.8
MD 630/B	700	23	4+2	12	17	448	12	M8	404	288	448	332	484	368	2-125	3-125	14	12	140	4.4
MD 630/A	700	23	4+2	12	17	448	12	M8	404	288	448	332	484	368	2-125	3-125	14	12	150	5.8

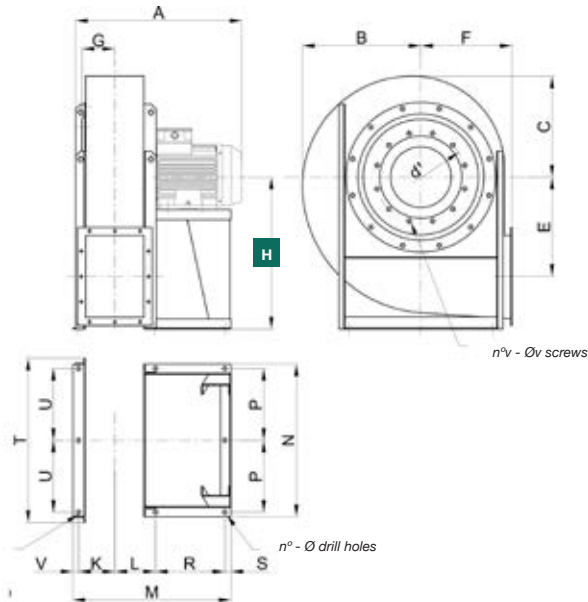
(*) For "HIGH TEMP." constructions, elevations "A-M-R" + 50 mm.
 (kg) = Weight of fan with motor.
 WD² = Moment of inertia of the impeller, expressed in kg x m²



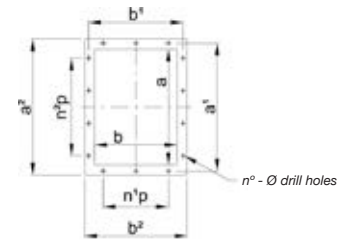
Dimensions mm

SYSTEM
4

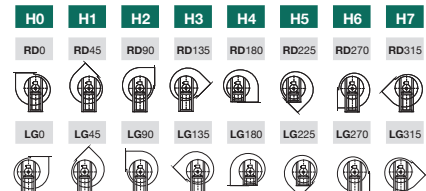
MD 710...1400



OUTLET NOZZLE



ORIENTATIONS



H The measurement of height H (distance between the ground and the axis) varies depending on the orientations

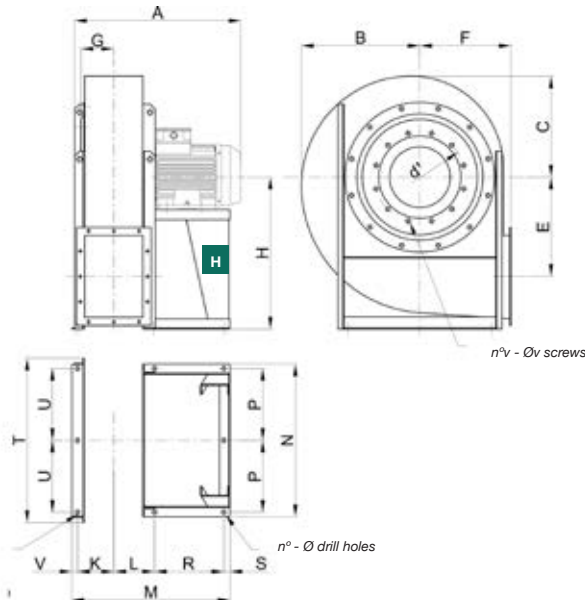
MOD.	FRAME	A*	B	C	E	F	G	HO-1-2-3	H4-5	H6-7	L	K	M*	N	P	R*	S	T
MD 710/B	200 LB/2	1055	670	570	558	500	179	670	500	850	210	202	931	831	385	450	40	920
MD 710/A	225 M/2	1105	670	570	558	500	179	670	500	850	210	202	941	831	385	460	40	920
MD 710/B	112 M/4	715	670	570	558	500	179	670	500	850	210	202	951	831	385	170	40	920
MD 710/A	132 S/4	805	670	570	558	500	179	670	500	850	210	202	711	831	385	230	40	920
MD 800/B	280 S/2	1345	745	635	625	560	199	750	560	950	230	221	1170	921	430	650	40	1000
MD 800/A	280 M/2	1345	745	635	625	560	199	750	560	950	230	221	1170	921	430	650	40	1000
MD 800/B	132 MA/4	870	745	635	625	560	199	750	560	950	230	221	750	921	430	230	40	1000
MD 800/A	160 M/4	915	745	635	625	560	199	750	560	950	230	221	855	921	430	335	40	1000
MD 900/B	315 MA/2	1510	835	710	703	630	221	850	630	1060	251	246	1273	1021	480	710	40	1100
MD 900/A	315 MB/2	1510	835	710	703	630	221	850	630	1060	251	246	1273	1021	480	710	40	1100
MD 900/B	160 L/4	1040	835	710	703	630	221	850	630	1060	251	246	898	1021	480	335	40	1100
MD 900/A	180 L/4	1080	835	710	703	630	221	850	630	1060	251	246	943	1021	480	380	40	1100
MD 900/B	132 MA/6	915	835	710	703	630	221	850	630	1060	251	246	793	1021	480	230	40	1100
MD 900/A	132 MB/6	915	835	710	703	630	221	850	630	1060	251	246	793	1021	480	230	40	1100
MD 1000/B	200 L/4	1195	930	795	791	710	242	950	710	1180	276	265	1072	1120	530	440	50	1230
MD 1000/A	225 S/4	1245	930	795	791	710	242	950	710	1180	276	265	1082	1120	530	450	50	1230
MD 1000/B	160 M/6	1015	930	795	791	710	242	950	710	1180	276	265	957	1120	530	325	50	1230
MD 1000/A	160 L/6	1095	930	795	791	710	242	950	710	1180	276	265	957	1120	530	325	50	1230
MD 1120/B	225 M/4	1320	1045	895	891	800	272	1060	800	1320	333	299	1156	1260	590	420	50	1370
MD 1120/A	250 M/4	1395	1045	895	891	800	272	1060	800	1320	333	299	1226	1260	590	490	50	1370
MD 1120/B	180 L/6	1210	1045	895	891	800	272	1060	800	1320	333	299	1076	1260	590	340	50	1370
MD 1120/A	200 LA/6	1270	1045	895	891	800	272	1060	800	1320	333	299	1146	1260	590	410	50	1370
MD 1250/B	280 S/4	1585	1175	1005	1003	900	287	1180	900	1500	364	330	1408	1390	655	610	50	1540
MD 1250/A	315 S/4	1605	1175	1005	1003	900	287	1180	900	1500	364	330	1468	1390	655	670	50	1540
MD 1250/B	200 LB/4	1335	1175	1005	1003	900	287	1180	900	1500	364	330	1208	1390	655	410	50	1540
MD 1250/A	225 M/6	1385	1175	1005	1003	900	287	1180	900	1500	364	330	1218	1390	655	420	50	1540
MD 1400/B	315 MA/4	1770	1305	1115	1116	1000	322	1320	1000	1700	418	365	1537	1530	725	640	60	1690
MD 1400/A	315 MC/4	1770	1305	1115	1116	1000	322	1320	1000	1700	418	365	1537	1530	725	640	60	1690
MD 1400/B	250 M/6	1525	1305	1115	1116	1000	322	1320	1000	1700	418	365	1357	1530	725	460	60	1690
MD 1400/A	280 M/6	1650	1305	1115	1116	1000	322	1320	1000	1700	418	365	1477	1530	725	580	60	1690

(*) For "HIGH TEMP." constructions, elevations "A-M-R" + 50 mm.
(kg) = Weight of fan with motor.
WD² = Moment of inertia of the impeller, expressed in kg x m²

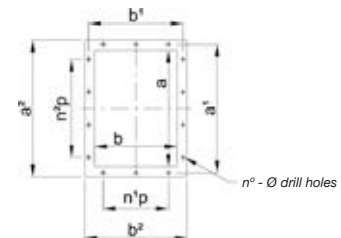
Dimensions mm

SYSTEM
4

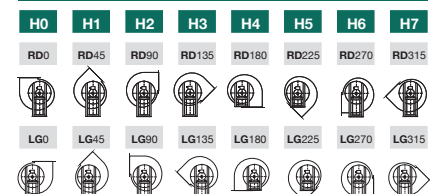
MD 710...1400



OUTLET NOZZLE



ORIENTATIONS



H *The measurement of height H (distance between the ground and the axis) varies depending on the orientations

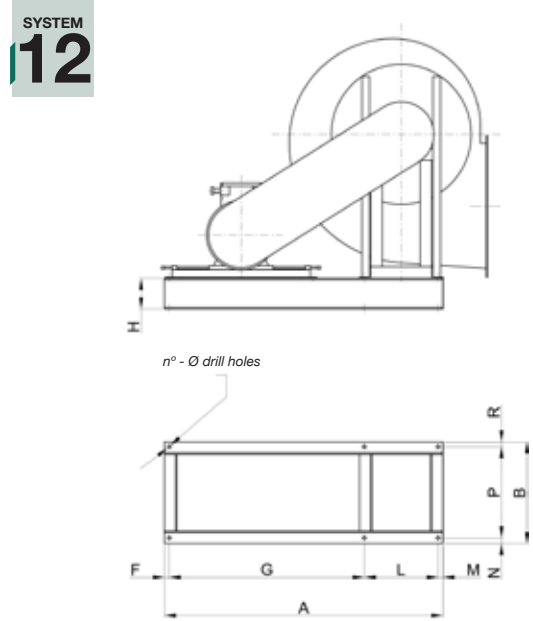
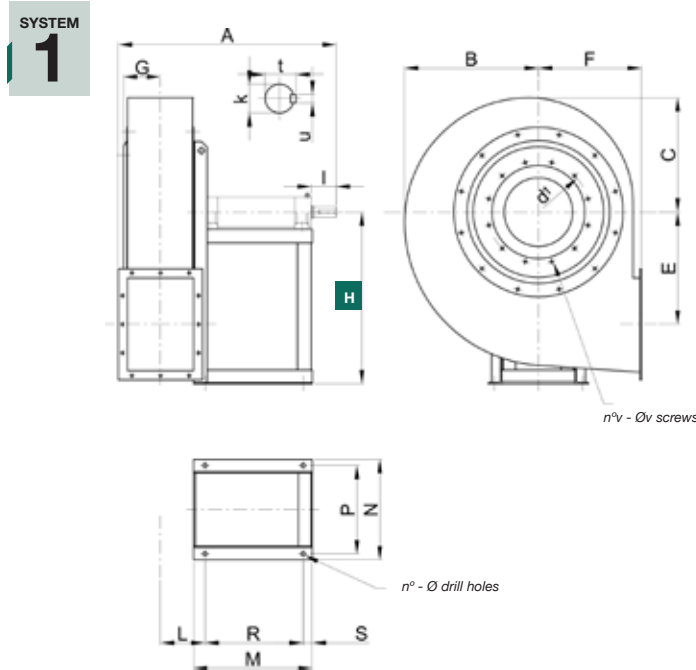
OUTLET NOZZLE

MOD.	U	V	n°	Φ	Φ'	d'	n°v	Φv	a	b	a'	b'	a ²	b ²	n°p	n°p'	n°f	Φf	kg	WD ²
MD 710/B	385	29	5+3	19	19	497	12	M8	453	322	497	366	533	402	2-125	3-125	14	12	440	8
MD 710/A	385	29	5+3	19	19	497	12	M8	453	322	497	366	533	402	2-125	3-125	14	12	480	9.8
MD 710/B	385	29	5+3	19	19	497	12	M8	453	322	497	366	533	402	2-125	3-125	14	12	250	9.8
MD 710/A	385	29	5+3	19	19	497	12	M8	453	322	497	366	533	402	2-125	3-125	14	12	260	9.8
MD 800/B	430	29	5+3	19	19	551	12	M8	507	361	551	405	587	441	2-125	3-125	14	12	600	15
MD 800/A	430	29	5+3	19	19	551	12	M8	507	361	551	405	587	441	2-125	3-125	14	12	690	17.3
MD 800/B	430	29	5+3	19	19	551	12	M8	507	361	551	405	587	441	2-125	3-125	14	12	335	15
MD 800/A	430	29	5+3	19	19	551	12	M8	507	361	551	405	587	441	2-125	3-125	14	12	390	17.3
MD 900/B	480	26	5+3	19	19	629	12	M8	569	404	629	464	669	504	2-160	3-160	14	14	940	24
MD 900/A	480	26	5+3	19	19	629	12	M8	569	404	629	464	669	504	2-160	3-160	14	14	960	27.5
MD 900/B	480	26	5+3	19	19	629	12	M8	569	404	629	464	669	504	2-160	3-160	14	14	480	24
MD 900/A	480	26	5+3	19	19	629	12	M8	569	404	629	464	669	504	2-160	3-160	14	14	530	27.5
MD 900/B	480	26	5+3	19	19	629	12	M8	569	404	629	464	669	504	2-160	3-160	14	14	390	24
MD 900/A	480	26	5+3	19	19	629	12	M8	569	404	629	464	669	504	2-160	3-160	14	14	400	27.5
MD 1000/B	530	41	5+3	19	19	698	12	M8	638	453	698	513	738	553	2-160	3-160	14	14	660	40
MD 1000/A	530	41	5+3	19	19	698	12	M8	638	453	698	513	738	553	2-160	3-160	14	14	700	50
MD 1000/B	530	41	5+3	19	19	698	12	M8	638	453	698	513	738	553	2-160	3-160	14	14	560	40
MD 1000/A	530	41	5+3	19	19	698	12	M8	638	453	698	513	738	553	2-160	3-160	14	14	590	50
MD 1120/B	590	54	5+3	24	24	775	16	M10	715	507	775	567	815	607	2-160	4-160	16	14	980	70
MD 1120/A	590	54	5+3	24	24	775	16	M10	715	507	775	567	815	607	2-160	4-160	16	14	1050	88
MD 1120/B	590	54	5+3	24	24	775	16	M10	715	507	775	567	815	607	2-160	4-160	16	14	820	70
MD 1120/A	590	54	5+3	24	24	775	16	M10	715	507	775	567	815	607	2-160	4-160	16	14	900	88
MD 1250/B	655	54	5+3	24	24	861	16	M10	801	569	871	639	921	889	2-200	3-200	14	14	1350	120
MD 1250/A	655	54	5+3	24	24	861	16	M10	801	569	871	639	921	889	2-200	3-200	14	14	1400	148
MD 1250/B	655	54	5+3	24	24	861	16	M10	801	569	871	639	921	889	2-200	3-200	14	14	1100	120
MD 1250/A	655	54	5+3	24	24	861	16	M10	801	569	871	639	921	889	2-200	3-200	14	14	1180	148
MD 1400/B	725	54	5+3	24	24	958	16	M10	898	638	968	708	1018	758	3-200	4-200	18	14	1930	200
MD 1400/A	725	54	5+3	24	24	958	16	M10	898	638	968	708	1018	758	3-200	4-200	18	14	2010	250
MD 1400/B	725	54	5+3	24	24	958	16	M10	898	638	968	708	1018	758	3-200	4-200	18	14	1620	200
MD 1400/A	725	54	5+3	24	24	958	16	M10	898	638	968	708	1018	758	3-200	4-200	18	14	1740	250

(*) For "HIGH TEMP" constructions, elevations "A-M-R" + 50 mm.
(kg) = Weight of fan with motor.
WD² = Moment of inertia of the impeller, expressed in kg x m²

Dimensions mm

MD 400...500



MOD.	A*	B	C	E	F	G	H0	H1	H2	H3	H4	H5
MD 400	880	390	330	319	285	103	500	500	500	500	285	285
MD 450	905	415	355	357	320	114	560	560	560	560	320	320
MD 500	940	490	410	400	360	129	600	600	600	600	360	360

MOD.	A	B*	H	F	G	L	M	N	P*
MD 400	1020	530	120	20	650	330	20	25	480
MD 450	1175	530	120	25	800	330	20	25	480
MD 500	1265	495	160	25	830	385	25	30	430

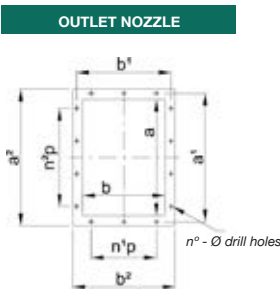
MOD.	H6	H7	L	M*	N	P	R*	S	n°	Φ	k	l
MD 400	500	500	145	560	370	330	480	30	4	14	38k6	80
MD 450	560	560	156	560	370	330	480	30	4	14	38k6	80
MD 500	600	600	168	520	438	385	430	40	4	17	42k6	110

MOD.	R	N°	Φ	kg
MD 400	25	6	14	50
MD 450	25	6	14	55
MD 500	35	6	17	76

MOD.	t	u	d ¹	n°v	Φv	kg	WD ²
MD 400	41	10	292	8	M8	80	0.7
MD 450	41	10	232	8	M8	90	1.1
MD 500	45	12	366	8	M8	130	2.4

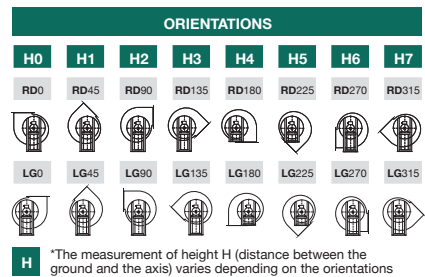
(*) For "HIGH TEMP." constructions in models 400 to 500, elevations "B-P" + 50 mm.
kg = Weight of the support base

(*) For "HIGH TEMP." constructions in models 400 to 500, elevations "A-M-R" + 50 mm.
(kg) = Weight of fan without motor.
WD² = Moment of inertia of the impeller, expressed in kg x m²



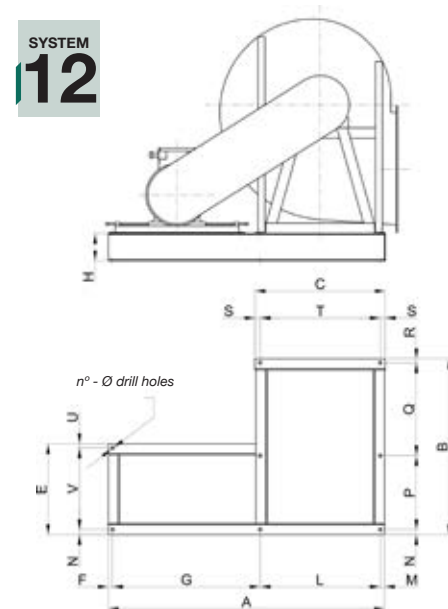
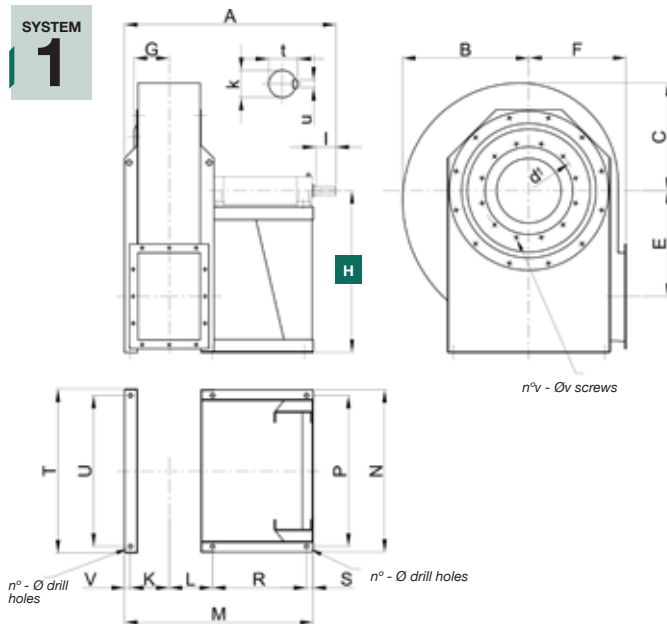
OUTLET NOZZLE

MOD.	a	b	a'	b'	a''	b''	n°p	n°p'	n°f	Φf
MD 400	256	183	292	219	326	253	1-112	2-112	10	12
MD 450	288	205	332	249	368	285	1-125	2-125	10	12
MD 500	322	229	366	273	402	309	1-125	2-125	10	12



Dimensions mm

MD 560...630



MOD.	A*	B	C	E	F	G	H0	H1	H2	H3	H4	H5
MD 560	990	525	445	436	400	144	670	670	670	670	400	400
MD 630	1020	590	505	490	450	158	750	750	750	750	450	450

MOD.	A	B*	C	E	H	F	G	L	M	N	P*
MD 560	1415	829	690	510	160	25	735	630	25	30	430
MD 630	1610	859	760	530	160	25	860	700	25	30	430

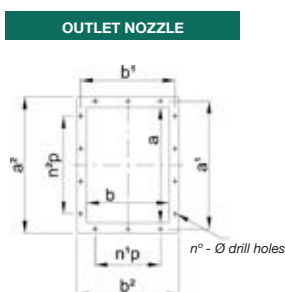
MOD.	H6	H7	L	K	M*	N	P	R*	S	T	U	V
MD 560	670	670	181	165	839	683	630	430	40	690	630	23
MD 630	750	750	197	179	869	753	700	430	40	760	700	23

MOD.	Q	R	S	T	U	V	N°	Φ	kg
MD 560	346	23	30	630	25	455	8	17	102
MD 630	376	23	30	700	25	475	8	17	112

MOD.	n°	Φ	k	l	t	u	d ¹	n°v	Φv	kg	WD ²
MD 560	4+2	17	48k6	110	51.5	14	405	8	M8	170	3.4
MD 630	4+2	17	48k6	110	51.5	14	448	12	M8	200	5.8

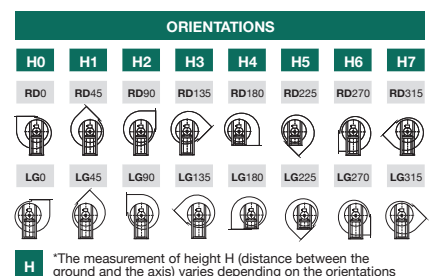
(*) For "HIGH TEMP." constructions in models 560 to 630, elevations "B-P" + 50 mm.
kg = Weight of the support base

(*) For "HIGH TEMP." constructions in models 560 to 630, elevations "A-M-R" + 50 mm.
(kg) = Weight of fan without motor.
WD² = Moment of inertia of the impeller, expressed in kg x m²



OUTLET NOZZLE

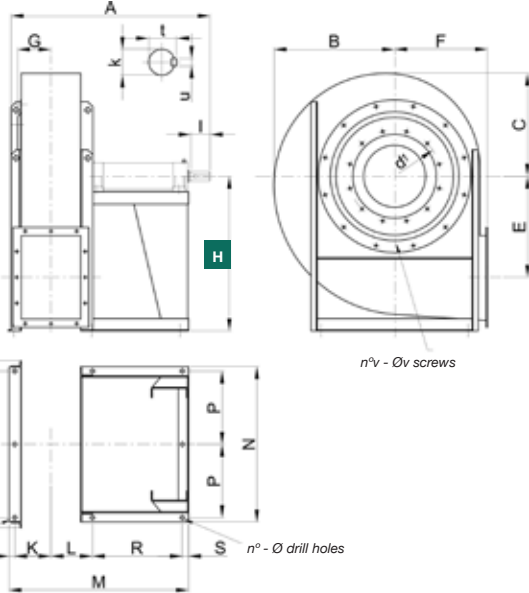
MOD.	a	b	a'	b'	a''	b''	n°p	n°p	n°f	Φf
MD 560	361	256	405	300	441	336	1-125	2-125	10	12
MD 630	404	288	448	332	484	368	2-125	3-125	14	12



Dimensions mm

MD 710...2000

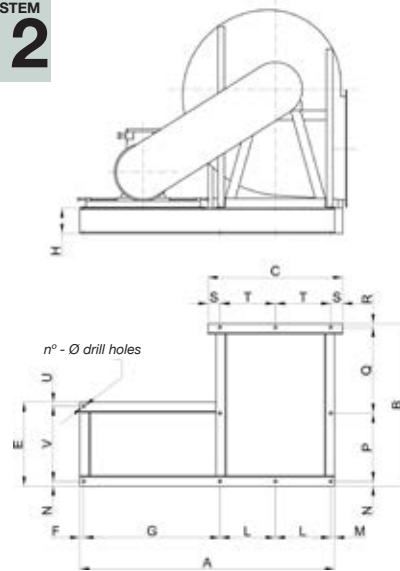
SYSTEM
1



n° - Ø drill holes

n° - Ø drill holes

SYSTEM
12



n° - Ø drill holes

MOD.	A*	B	C	E	F	G	H0	H1	H2	H3	H4	H5
MD 710	1150	670	570	558	500	179	670	670	670	670	500	500
MD 800	1240	745	635	625	560	199	750	750	750	750	560	560
MD 900	1290	835	710	703	630	221	850	850	850	850	630	630
MD 1000	1430	930	795	791	710	242	950	950	950	950	710	710
MD 1120	1690	1045	895	891	800	272	1060	1060	1060	1060	800	800
MD 1250	1750	1175	1005	1003	900	287	1180	1180	1180	1180	900	900
MD 1400	1900	1305	1115	1116	1000	322	1320	1320	1320	1320	1000	1000
MD 1600	2165	1535	1245	1250	1120	360	1500	1500	1250	1250	1120	1120
MD 1800	2320	1705	1390	1395	1250	404	1650	1550	1400	1320	1250	1250
MD 2000	2420	1920	1555	1563	1400	453	1850	1700	1600	1450	1400	1400

MOD.	H6	H7	L	K	M*	N	P	R*	S	T	U	V
MD 710	850	850	210	202	996	831	385	515	40	920	385	29
MD 800	950	950	230	221	1085	921	430	565	40	1000	430	29
MD 900	1060	1060	251	246	1128	1021	480	565	40	1100	480	26
MD 1000	1180	1180	276	265	1237	1120	530	605	50	1230	530	41
MD 1120	1320	1320	333	299	1496	1260	590	760	50	1370	590	54
MD 1250	1500	1500	364	330	1558	1390	655	760	50	1540	655	54
MD 1400	1700	1500	418	365	1677	1530	725	780	60	1690	725	54
MD 1600	1900	1600	477	413	1934	1720	820	920	60	1950	820	64
MD 1800	2120	1800	524	466	2020	1910	915	920	60	2150	915	54
MD 2000	2360	2000	568	515	2147	2110	1015	920	60	2390	1015	84

MOD.	n°	Φ	k	l	t	u	d ¹	n°v	Φv	kg	WD ²
MD 710	5+3	19	48k6	110	51.5	14	497	12	M8	270	9.8
MD 800	5+3	19	55m6	110	59	16	551	12	M8	330	17.3
MD 900	5+3	19	55m6	110	59	16	629	12	M8	380	27.5
MD 1000	5+3	19	65m6	140	69	18	698	12	M8	500	50
MD 1120	5+3	24	75m6	140	79.5	20	775	16	M10	770	88
MD 1250	5+3	24	75m6	140	79.5	20	861	16	M10	1000	148
MD 1400	5+3	24	80m6	170	85	22	958	16	M10	1380	250
MD 1600	5+3	28	90m6	170	95	25	1067	24	M10	1820	410
MD 1800	5+3	28	100j6	210	106	28	1200	24	M10	2600	725
MD 2000	5+3	28	100j6	210	106	28	1337	24	M10	3150	1110

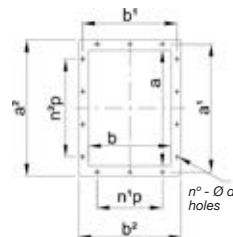
(*) For "HIGH TEMP" constructions in models 710 to 900, elevations "A-M-R" + 50 mm.
(kg) = Weight of fan without motor.
WD² = Moment of inertia of the impeller, expressed in kg x m²

MOD.	A	B*	C	E	H	F	G	L	M	N	P*
MD 710	1980	987	920	690	180	30	1150	385	30	30	515
MD 800	2070	1074	1000	690	180	30	1150	430	30	30	565
MD 900	2200	1121	1100	750	180	30	1180	480	30	30	565
MD 1000	2300	1213	1230	755	180	30	1180	530	30	35	605
MD 1120	2470	1461	1370	830	180	35	1220	590	35	35	760
MD 1250	2600	1521	1540	830	180	35	1220	655	35	35	760
MD 1400	3150	1631	1690	990	180	35	1630	725	35	35	780
MD 1600	3340	1880	1950	990	180	35	1630	820	35	35	920
MD 1800	3600	1979	2150	1100	180	35	1700	915	35	35	920
MD 2000	3800	2077	2390	1100	180	35	1700	1015	35	35	920

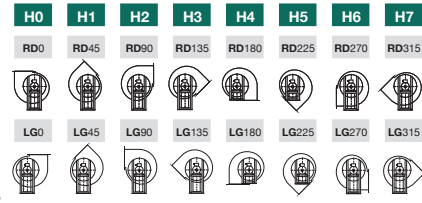
MOD.	Q	R	S	T	U	V	N°	Φ	kg
MD 710	412	30	75	385	30	630	10	19	165
MD 800	451	28	70	430	30	630	10	19	170
MD 900	497	29	70	480	30	690	10	19	182
MD 1000	541	32	85	530	30	690	10	19	255
MD 1120	632	34	95	590	35	760	10	24	285
MD 1250	694	32	115	655	35	760	10	24	300
MD 1400	783	33	120	725	35	920	10	24	350
MD 1600	890	35	155	820	35	920	10	28	380
MD 1800	986	38	160	915	35	1030	10	28	460
MD 2000	1083	39	180	1015	35	1030	10	28	485

(*) For "HIGH TEMP" constructions in models 710 to 900, elevations "B-P" + 50 mm.
kg = Weight of the support base

OUTLET NOZZLE



ORIENTATIONS



H The measurement of height H (distance between the ground and the axis) varies depending on the orientations

OUTLET NOZZLE

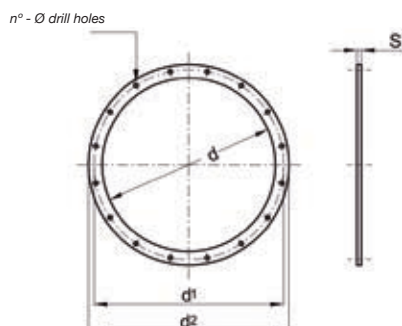
MOD.	a	b	a ¹	b ¹	a ²	b ²	n°p	n°p	n°f	Φf
MD 710	453	322	497	366	533	402	2-125	3-125	14	12
MD 800	507	361	551	405	587	441	2-125	3-125	14	12
MD 900	569	404	629	464	669	504	2-160	3-160	14	14
MD 1000	638	453	698	513	738	553	2-160	3-160	14	14
MD 1120	715	507	775	567	815	607	2-160	4-160	16	14

OUTLET NOZZLE

MOD.	a	b	a ¹	b ¹	a ²	b ²	n°p	n°p	n°f	Φf
MD 1250	801	569	871	639	921	689	2-200	3-200	14	14
MD 1400	898	638	968	708	1018	758	3-200	4-200	18	14
MD 1600	1007	715	1077	785	1127	835	3-200	4-200	18	14
MD 1800	1130	801	1210	881	1270	941	3-200	5-200	20	18
MD 2000	1267	898	1347	978	1407	1038	4-200	6-200	24	18

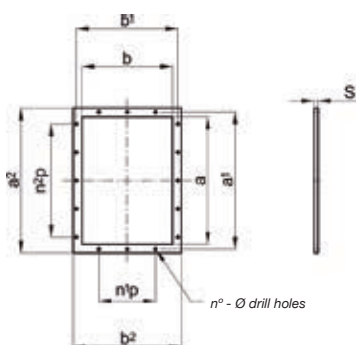
Accessories

Inlet counter-flange



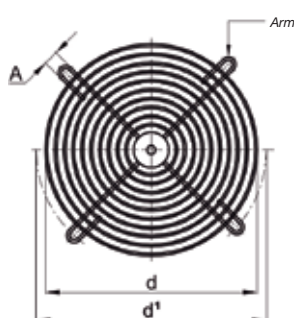
MOD.	d	d ¹	d ²	n°	Φ	s	kg
MD 400	255	292	325	8	11	4	1
MD 450	286	332	366	8	11	5	1.6
MD 500	321	366	401	8	11	5	1.8
MD 560	361	405	441	8	11	5	2
MD 630	406	448	486	12	11	5	2.2
MD 710	456	497	536	12	11	5	2.5
MD 800	506	551	586	12	11	5	2.7
MD 900	568	629	668	12	11	6	4.6
MD 1000	638	698	738	12	11	6	5
MD 1120	718	775	818	16	13	6	5.5
MD 1250	808	861	908	16	13	6	6.2
MD 1400	908	958	1008	16	13	6	7
MD 1600	1008	1067	1108	24	13	6	7.8
MD 1800	1130	1200	1250	24	13	8	13.8
MD 2000	1260	1337	1380	24	13	8	15.5

Impulsion counter-flange



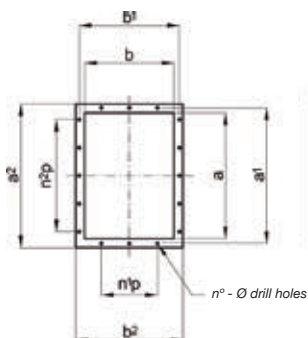
MOD.	a	b	a ¹	b ¹	a ²	b ²	n ¹ p	n ² p	n°	Φ	s	kg
MD 400	256	183	292	219	326	253	1-112	2-112	10	12	4	1.1
MD 450	288	205	332	249	368	285	1-125	2-125	10	12	5	1.8
MD 500	322	229	366	273	402	309	1-125	2-125	10	12	5	2
MD 560	361	256	405	300	441	336	1-125	2-125	10	12	5	2.2
MD 630	404	288	448	332	484	368	2-125	3-125	14	12	5	2.4
MD 710	453	322	497	366	533	402	2-125	3-125	14	12	5	2.7
MD 800	507	361	551	405	587	441	2-125	3-125	14	12	5	3
MD 900	569	404	629	464	669	504	2-160	3-160	14	14	6	5
MD 1000	638	453	698	513	738	553	2-160	3-160	14	14	6	5.6
MD 1120	715	507	775	567	815	607	2-160	4-160	16	14	6	6.2
MD 1250	801	569	871	639	921	689	2-200	3-200	14	14	8	11.2
MD 1400	898	638	968	708	1018	758	3-200	4-200	18	14	8	12.5
MD 1600	1007	715	1077	785	1127	835	3-200	4-200	18	14	8	14
MD 1800	1130	801	1210	881	1270	941	3-200	5-200	20	18	8	18
MD 2000	1267	898	1347	978	1407	1038	4-200	6-200	24	18	8	20

Inlet protection net



MOD.	d	d ¹	A	n°	kg
MD 400	255	292	11	4	0.3
MD 450	286	332	11	4	0.35
MD 500	321	366	11	4	0.4
MD 560	361	405	11	8	0.7
MD 630	406	448	11	8	0.8
MD 710	456	497	11	8	0.9
MD 800	506	551	11	8	1
MD 900	568	629	11	8	1.2
MD 1000	638	698	11	8	1.5
MD 1120	718	775	13	8	2
MD 1250	808	861	13	8	2.5
MD 1400	908	958	13	8	3
MD 1600	1008	1067	13	8	3.5
MD 1800	1130	1200	13	8	8.5
MD 2000	1260	1337	13	8	10

Impulsion anti-vibration seal

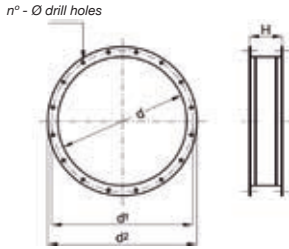


MOD.	a	b	a ¹	b ¹	a ²	b ²	n ¹ p	n ² p	n°	Φ	H	kg
MD 400	256	183	292	219	326	253	1-112	2-112	10	12	200	2.4
MD 450	288	205	332	249	368	285	1-125	2-125	10	12	200	3.8
MD 500	322	229	366	273	402	309	1-125	2-125	10	12	200	4.2
MD 560	361	256	405	300	441	336	1-125	2-125	10	12	200	4.6
MD 630	404	288	448	332	484	368	2-125	3-125	14	12	200	5
MD 710	453	322	497	366	533	402	2-125	3-125	14	12	200	5.6
MD 800	507	361	551	405	587	441	2-125	3-125	14	12	200	6.2
MD 900	569	404	629	464	669	504	2-160	3-160	14	14	200	10.2
MD 1000	638	453	698	513	738	553	2-160	3-160	14	14	200	11.4
MD 1120	715	507	775	567	815	607	2-160	4-160	16	14	200	12.6
MD 1250	801	569	871	639	921	689	2-200	3-200	14	14	200	23
MD 1400	898	638	968	708	1018	758	3-200	4-200	18	14	200	25.5
MD 1600	1007	715	1077	785	1127	835	3-200	4-200	18	14	200	28.5
MD 1800	1130	801	1210	881	1270	941	3-200	5-200	20	18	200	37
MD 2000	1267	898	1347	978	1407	1038	4-200	6-200	24	18	200	41



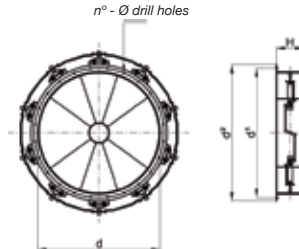
Accessories

Inlet anti-vibration seal



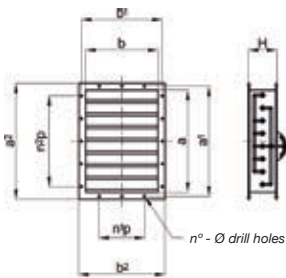
MOD.	d	d ¹	d ²	n°	Φ	H	kg
MD 400	255	292	325	8	11	200	2.2
MD 450	286	332	366	8	11	200	3.4
MD 500	321	366	401	8	11	200	3.8
MD 560	361	405	441	8	11	200	4.2
MD 630	406	448	486	12	11	200	4.6
MD 710	456	497	536	12	11	200	5.1
MD 800	506	551	586	12	11	200	5.6
MD 900	568	629	668	12	11	200	9.4
MD 1000	638	698	738	12	11	200	10.4
MD 1120	718	775	818	16	13	200	11.6
MD 1250	808	861	908	16	13	200	13
MD 1400	908	958	1008	16	13	200	14.4
MD 1600	1008	1067	1108	24	13	200	16
MD 1800	1130	1200	1250	24	13	200	29
MD 2000	1260	1337	1380	24	13	200	33

Flow regulator at the inlet



MOD.	d	d ¹	d ²	n°	Φ	H	kg
MD 500	321	366	401	8	11	200	24
MD 560	361	405	441	8	11	250	26
MD 630	406	448	486	12	11	250	30
MD 710	456	497	536	12	11	250	32
MD 800	506	551	586	12	11	250	45
MD 900	568	629	668	12	11	250	50
MD 1000	638	698	738	12	11	300	58
MD 1120	718	775	818	16	13	300	68
MD 1250	808	861	908	16	13	350	87
MD 1400	908	958	1008	16	13	350	102
MD 1600	1008	1067	1108	24	13	350	120
MD 1800	1130	1200	1250	24	13	400	150
MD 2000	1260	1337	1380	24	13	400	170

Opposite facing fin type damper

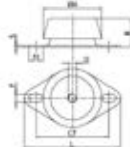


MOD.	a	b	a ¹	b ¹	a ²	b ²	n°p	n°p	n°	Φ	H (1)	H (2)	kg (1)	kg (2)
MD 500	322	229	366	273	402	309	1-125	2-125	10	12	220	250	11	12
MD 560	361	256	405	300	441	336	1-125	2-125	10	12	220	250	14	15
MD 630	404	288	448	332	484	368	2-125	3-125	14	12	220	250	18	19
MD 710	453	322	497	366	533	402	2-125	3-125	14	12	220	250	21	22
MD 800	507	361	551	405	587	441	2-125	3-125	14	12	220	250	24	25
MD 900	569	404	629	464	669	504	2-160	3-160	14	14	220	250	28	29
MD 1000	638	453	698	513	738	553	2-160	3-160	14	14	220	250	32	33
MD 1120	715	507	775	567	815	607	2-160	4-160	16	14	220	250	36	38
MD 1250	801	569	871	639	921	689	2-200	3-200	14	14	220	250	44	46
MD 1400	898	638	968	708	1018	758	3-200	4-200	18	14	220	250	50	52
MD 1600	1007	715	1077	785	1127	835	3-200	4-200	18	14	220	250	55	58
MD 1800	1130	801	1210	881	1270	941	3-200	5-200	20	18	220	250	81	84
MD 2000	1267	898	1347	978	1407	1038	4-200	6-200	24	18	220	250	92	96

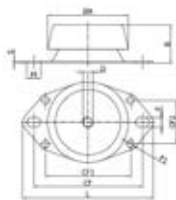
(1) Up to 300 mm H₂O
(2) Above 300 mm H₂O

Shock-absorbers

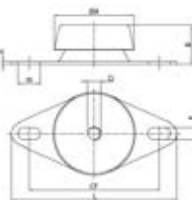
TYPE 1



TYPE 2

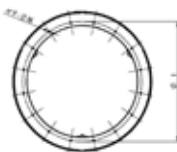
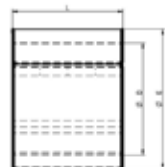


TYPE 3



MOD.	SHOCK-ABSORBERS MODEL	TYPE	øA	B	D	CF	CF1	CF2	F	øF1	L	M	S
MD 400	CF 623110	1	67	33...34	10	76.5	-	-	9	-	90.5	16	2
MD 450	CF 623110	1	67	33...34	10	76.5	-	-	9	-	90.5	16	2
MD 500	CF 623110	1	67	33...34	10	76.5	-	-	9	-	90.5	16	2
MD 560	CF 623110	1	67	33...34	10	76.5	-	-	9	-	90.5	16	2
MD 630	CF 623110	1	67	33...34	10	76.5	-	-	9	-	90.5	16	2
MD 710	CF 623110	1	67	33...34	10	76.5	-	-	9	-	90.5	16	2
MD 800	CF 924512	2	92	44...45	12	120	98	50	10.5	8.5	130	15.5	2.5
MD 900	CF 924512	2	92	44...45	12	120	98	50	10.5	8.5	130	15.5	2.5
MD 1000	CF 924512	2	92	44...45	12	120	98	50	10.5	8.5	130	15.5	2.5
MD 1120	CF 924512	2	92	44...45	12	120	98	50	10.5	8.5	130	15.5	2.5
MD 1250	CF 924512	2	92	44...45	12	120	98	50	10.5	8.5	130	15.5	2.5
MD 1400	CF 924512	2	92	44...45	12	120	98	50	10.5	8.5	130	15.5	2.5
MD-1600	CF 1204516	3	92	45	26,5	149,5			14		190	16	3,5
MD-1800	CF 1204516	3	92	45	26,5	149,5			14		190	16	3,5
MD-2000	CF 1204516	3	92	45	26,5	149,5			14		190	16	3,5

Circular silencers



Silencers are used to lower the noise level at air conditioning or ventilation installation manufactured using galvanised steel

- Upon request: other constructions using different materials.

øD	øE	L	øI	F	øM
315	515	ØD,1.5ØD,2ØD	355	8	M8
355	555	ØD,1.5ØD,2ØD	395	8	M8
400	600	ØD,1.5ØD,2ØD	450	8	M8
450	650	ØD,1.5ØD,2ØD	500	8	M8
500	700	ØD,1.5ØD,2ØD	560	12	M8
560	760	ØD,1.5ØD,2ØD	620	12	M8
630	830	ØD,1.5ØD,2ØD	690	12	M8
710	910	ØD,1.5ØD,2ØD	770	16	M8
800	1000	ØD,1.5ØD,2ØD	860	16	M8

øD	øE	L	øI	F	øM
900	1100	ØD,1.5ØD,2ØD	970	16	M10
1000	1200	ØD,1.5ØD,2ØD	1070	16	M10
1120	1320	ØD,1.5ØD,2ØD	1190	20	M10
1250	1450	ØD,1.5ØD,2ØD	1320	20	M10
1400	1600	ØD,1.5ØD,2ØD	1470	20	M10
1500	1700	ØD,1.5ØD,2ØD	1570	20	M10
1600	1800	ØD,1.5ØD,2ØD	1680	24	M14
1700	1900	ØD,1.5ØD,2ØD	1780	24	M14
1800	2000	ØD,1.5ØD,2ØD	1880	24	M14