DIRECT DRIVE MOTOR

CAAF

Extremely robust high pressure single inlet centrifugal fans with sheet steel casing and impeller

Designed for clean or 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.
- Backward curved impeller made of very robust sheet steel, specially designed for clean and dusty air.
- Directly coupled motor.
- With inspection and cleaning hatch from size 560 and up.
- All casings continuously welded.

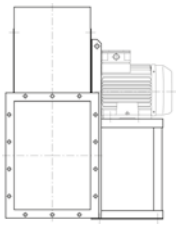
Motor:
- Motors with IE3 efficiency for powers equal to or greater than 0.75kW, except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings, IP55 protection.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Maximum temperature of air to be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

Finishing:
- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.

On request:
- Special windings for different voltages.
- Fan prepared to transport air up to +150 °C.
- Special executions for temperatures + 300 °C.
- Stainless steel fan.
- ATEX certified Category 2.
- System 8 elastic coupling.

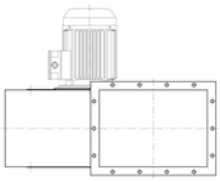
Direct drive motor construction method

SYSTEM 4



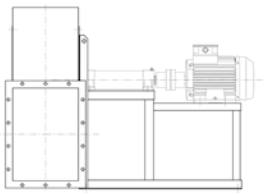
Direct drive, impeller mounted on the motor shaft, mounted on the pedestal.

SYSTEM 5



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

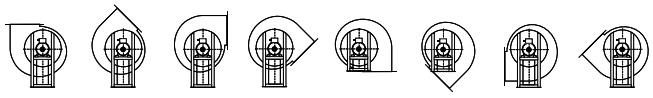
SYSTEM 8



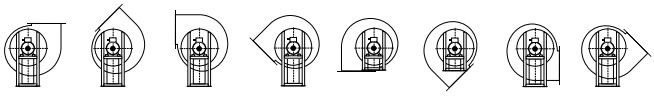
Elastic coupling drive, impeller mounted on the support shaft, mounted on the motor via an elastic coupling. Everything mounted together on a fan pedestal.

Orientations

RD 0 | **RD**45 | **RD**90 | **RD**135 | **RD**180 | **RD**225 | **RD**270 | **RD**315



LG 0 | **LG**45 | **LG**90 | **LG**135 | **LG**180 | **LG**225 | **LG**270 | **LG**315



BELT-DRIVEN MOTOR

CAAF-X

Belt driven high pressure fans fitted with electric motors and a standardised set of pulleys, belts and protectors in accordance with standard ISO 13857

Designed for clean or 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.
- Backward curved impeller made of very robust sheet steel, specially designed for clean and dusty air.
- Engine mounted on general bench.
- With inspection and cleaning hatch from size 560 and up.
- All casings continuously welded.

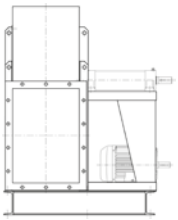
Motor:
- IE3 efficiency motors.
- Class F motors with ball bearings, IP55 protection.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Maximum temperature of air to be carried: -25 ºC +90 ºC.

Finishing:
- Anti-corrosive finish in polyester resin, polymerised at 190 ºC, after degreasing with phosphate-free nanotechnology treatment.

On request:
- Special windings for different voltages.
- Fan prepared to transport air up to +300 ºC.
- Stainless steel fan.
- ATEX certified Category 2.
- System 8 elastic coupling.

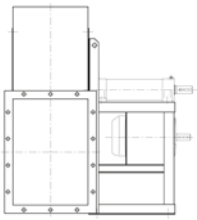
Belt-driven motor construction method

SYSTEM 12



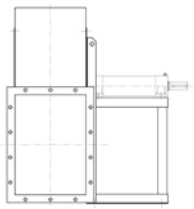
Transmission drive, identical to SYSTEM 1, with the motor and fan mounted on the common bench. Motor positions “W” or “Z” and exceptionally “X” or “Y”.

SYSTEM 9



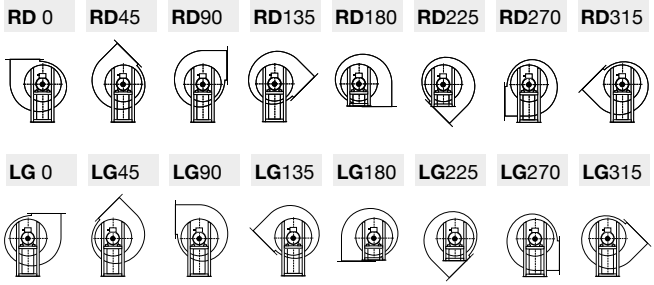
Transmission drive, identical to SYSTEM 1, with the motor mounted on the side of the pedestal, in position “W” or “Z”.

SYSTEM 1



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

Orientations



LARGE SERIES

QUICK SELECT SYSTEM 4

Outlet characteristics

						V m³/s											
Model	**Frame**	**kW ass**	**kW inst.**	**r.p.m.**	**dB**	**0.167**	**0.183**	**0.2**	**0.23**	**0.267**	**0.3**	**0.33**	**0.367**	**0.416**	**0.467**	**0.516**	**0.58**	**0.67**
						Pt kgf/m²=mmH$_2$O												
CAAF 475/A	90 L/2	2	2.2	2840	76	440	440	440	440	430	425	420						
CAAF 475/A	100 LA/2	2.7	3	2850	76								420	410				
CAAF 560/B	112 M/2	3.7	4	2860	80				560	560	560	560	560					
CAAF 560/B	132 SA/2	5	5.5	2900	80									550	540	530	510	
CAAF 560/A	112 M/2	3.7	4	2860	82				660	660	655	650	645					
CAAF 560/A	132 SA/2	5	5.5	2900	82									640	630	625	600	
CAAF 630/B	132 SA/2	5	5.5	2900	83					760	760	760	755	750	745			
CAAF 630/B	132 SB/2	7	7.5	2900	83											740	730	720
CAAF 630/A	132 SB/2	7	7.5	2900	85					820	820	820	825	825	820	820	815	
CAAF 630/A	160 MA/2	8.6	11	2910	85													800
CAAF 710/B	132 SB/2	7.2	7.5	2900	86						950	955	960	960	960			
CAAF 710/B	160 MA/2	10	11	2910	88													950
CAAF 710/A	160 MA/2	10	11	2910	88								1050	1050	1050	1050	1050	
CAAF 710/A	160 MB/2	14.2	15	2930	88													1050
CAAF 800/B	160 MB/2	14.5	15	2930	90									1210	1215	1220	1220	1220
CAAF 800/A	160 MB/2	14	15	2930	90									1350	1355	1360	1360	
CAAF 800/A	160 L/2	18	18.5	2940	90													1365
CAAF 900/B	180 M/2	20	22	2950	93											1570	1570	1580
CAAF 900/A	200 LA/2	28	30	2950	94												1730	1735

						V m³/s										
Model	**Frame**	**kW ass**	**kW inst.**	**r.p.m.**	**dB**	**0.75**	**0.83**	**0.93**	**1.05**	**1.2**	**1.33**	**1.5**	**1.67**	**1.87**	**2.08**	**2.33**
						Pt kgf/m²=mmH$_2$O										
CAAF 630/B	132 SB/2	7	7.5	2900	83	710										
CAAF 630/A	160 MA/2	8.6	11	2910	85	790										
CAAF 710/B	160 MA/2	10	11	2910	88	940										
CAAF 710/B	160 MB/2	8.7	15	2930	88		920	905	880							
CAAF 710/A	160 MB/2	14.2	15	2930	88	1045	1045	1040								
CAAF 710/A	160 L/2	18	18.5	2940	88				1030	1020						
CAAF 800/B	160 MB/2	14.5	15	2930	90	1220										
CAAF 800/B	160 L/2	18	18.5	2940	90		1210	1205	1200							
CAAF 800/B	180 M/2	21.5	22	2950	90					1190	1180					
CAAF 800/A	160 L/2	18	18.5	2940	90	1365	1365									
CAAF 800/A	180 M/2	21	22	2950	93			1360	1360							
CAAF 800/A	200 LA/2	28.5	30	2950	93					1360	1340	1330	1320			
CAAF 900/B	180 M/2	20	22	2950	93	1580	1580									
CAAF 900/B	200 LA/2	29	30	2950	93			1570	1565	1560						
CAAF 900/B	200 LB/2	36	37	2960	95						1550	1550	1540			
CAAF 900/B	225 M/2	43.5	45	2960	95									1520	1510	
CAAF 900/A	200 LA/2	28	30	2950	94	1740	1740	1740								
CAAF 900/A	200 LB/2	36	37	2960	94				1740	1740						
CAAF 900/A	225 M/2	44	45	2960	96						1730	1725	1720			
CAAF 900/A	250 M/2	53	55	2970	96									1715	1700	1690

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

Inlet characteristics

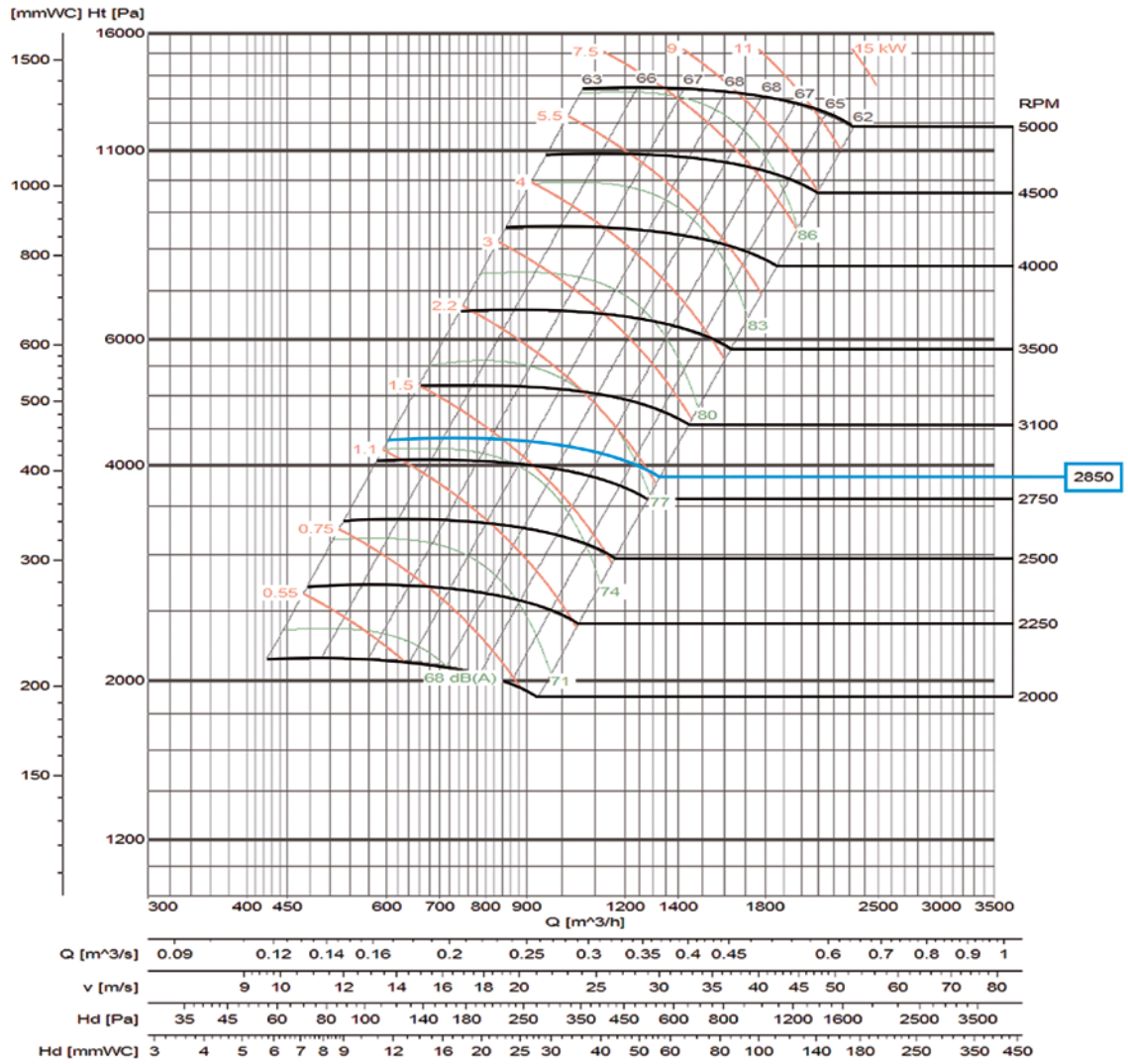
						V m³/s											
Model	**Frame**	**kW ass**	**kW inst.**	**r.p.m.**	**dB**	**0.167**	**0.183**	**0.2**	**0.23**	**0.267**	**0.3**	**0.33**	**0.367**	**0.416**	**0.467**	**0.516**	**0.58**	**0.67**
						Pt kgf/m²=mmH₂O												
CAAF 475/A	90 L/2	2	2.2	2840	81	425	425	425	425	415	410	410						
CAAF 475/A	100 LA/2	2.7	3	2850	81								410	410				
CAAF 560/B	112 M/2	3.7	4	2860	85				530	535	535	535	535					
CAAF 560/B	132 SA/2	5	5.5	2900	85									525	515	505	485	
CAAF 560/A	112 M/2	3.7	4	2860	88				625	630	625	620	615					
CAAF 560/A	132 SA/2	5	5.5	2900	88									610	600	595	570	
CAAF 630/B	132 SA/2	5	5.5	2900	89					715	715	715	710	705	700			
CAAF 630/B	132 SB/2	7	7.5	2900	89											695	690	680
CAAF 630/A	132 SB/2	7	7.5	2900	91					760	760	760	760	760	765	760	760	
CAAF 630/A	160 MA/2	8.6	11	2910	91													760
CAAF 710/B	132 SB/2	7.2	7.5	2900	94						870	875	880	880	880			
CAAF 710/B	160 MA/2	10	11	2910	91													875
CAAF 710/A	160 MA/2	10	11	2910	94								950	950	950	950	950	
CAAF 710/A	160 MB/2	14.2	15	2930	94													950
CAAF 800/B	160 MB/2	14.5	15	2930	96									1060	1065	1070	1070	1070
CAAF 800/A	160 MB/2	14	15	2930	99									1170	1175	1180	1180	
CAAF 800/A	160 L/2	18	18.5	2940	99													1185
CAAF 900/B	180 M/2	20	22	2950	99											1320	1320	1330
CAAF 900/A	200 LA/2	28	30	2950	100												1440	1445

						V m³/s										
Model	**Frame**	**kW ass**	**kW inst.**	**r.p.m.**	**dB**	**0.75**	**0.83**	**0.93**	**1.05**	**1.2**	**1.33**	**1.5**	**1.67**	**1.87**	**2.08**	**2.33**
						Pt kgf/m²=mmH₂O										
CAAF 630/B	132 SB/2	7	7.5	2900	89	670										
CAAF 630/A	160 MA/2	8.6	11	2910	91	750	740									
CAAF 710/B	160 MA/2	10	11	2910	91	870										
CAAF 710/B	160 MB/2	8.7	15	2930	91		855	845	820							
CAAF 710/A	160 MB/2	14.2	15	2930	94	945	945	940								
CAAF 710/A	160 L/2	18	18.5	2940	94				930	920						
CAAF 800/B	160 MB/2	14.5	15	2930	96	1070										
CAAF 800/B	160 L/2	18	18.5	2940	96		1060	1060	1060	1060						
CAAF 800/B	180 M/2	21.5	22	2950	96						1055	1050				
CAAF 800/A	160 L/2	18	18.5	2940	99	1185	1185									
CAAF 800/A	180 M/2	21	22	2950	99			1180	1180							
CAAF 800/A	200 LA/2	28.5	30	2950	99					1180	1165	1160	1150			
CAAF 900/B	180 M/2	20	22	2950	99	1330	1330									
CAAF 900/B	200 LA/2	29	30	2950	99			1320	1310	1305						
CAAF 900/B	200 LB/2	36	37	2960	101						1310	1310	1305			
CAAF 900/B	225 M/2	43.5	45	2960	101									1295	1295	
CAAF 900/A	200 LA/2	28	30	2950	100	1450	1450	1450								
CAAF 900/A	200 LB/2	36	37	2960	100				1450	1430						
CAAF 900/A	225 M/2	44	45	2960	102						1435	1430	1420			
CAAF 900/A	250 M/2	53	55	2970	102									1415	1400	1390

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

Characteristic curves

CAAF 475



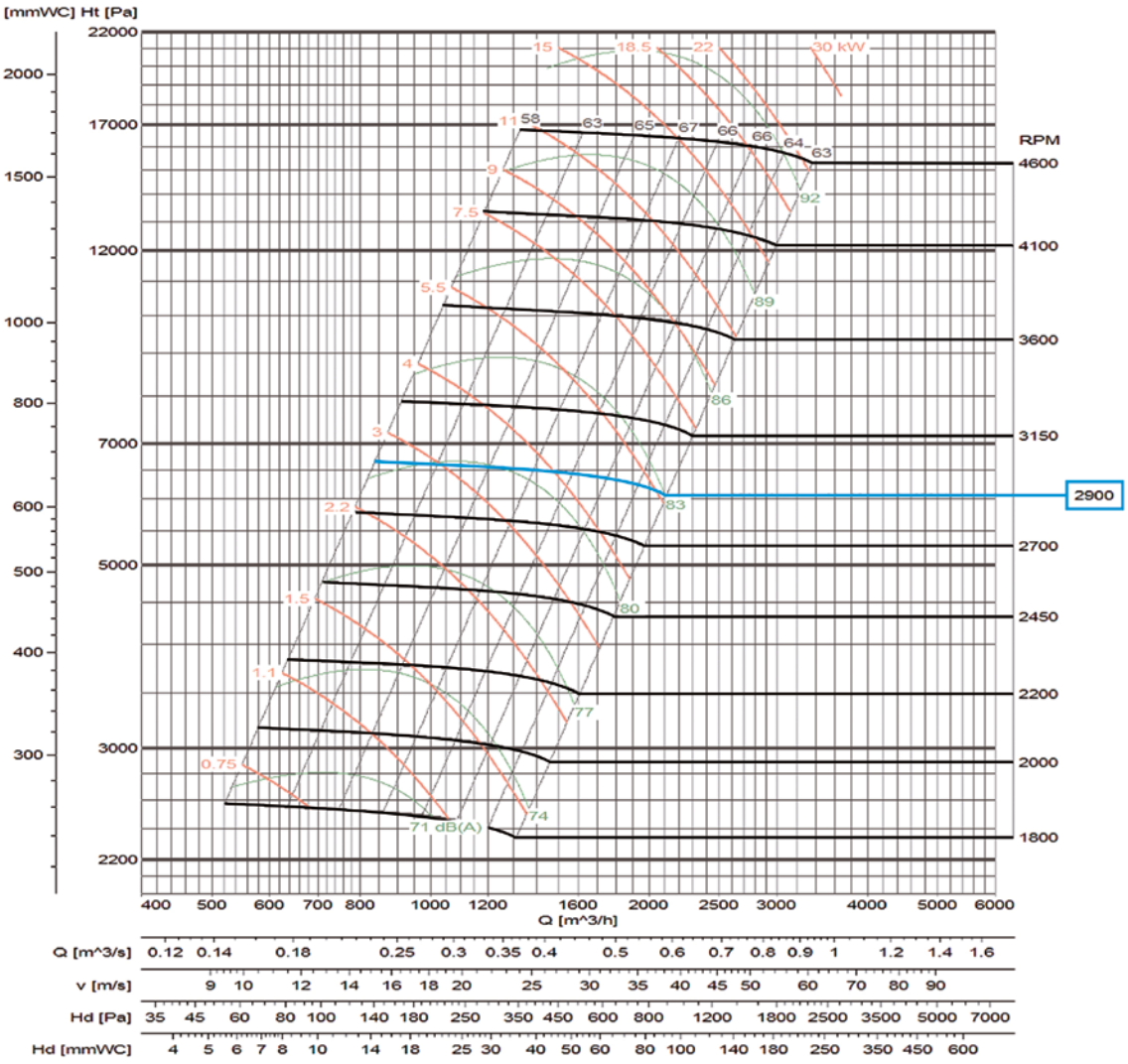
Flow margin ±5%
Noise level margin + 3... 5 dB
Margin of kW absorbed ±3%

Outlet characteristics.

Rpm

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

CAAF 560



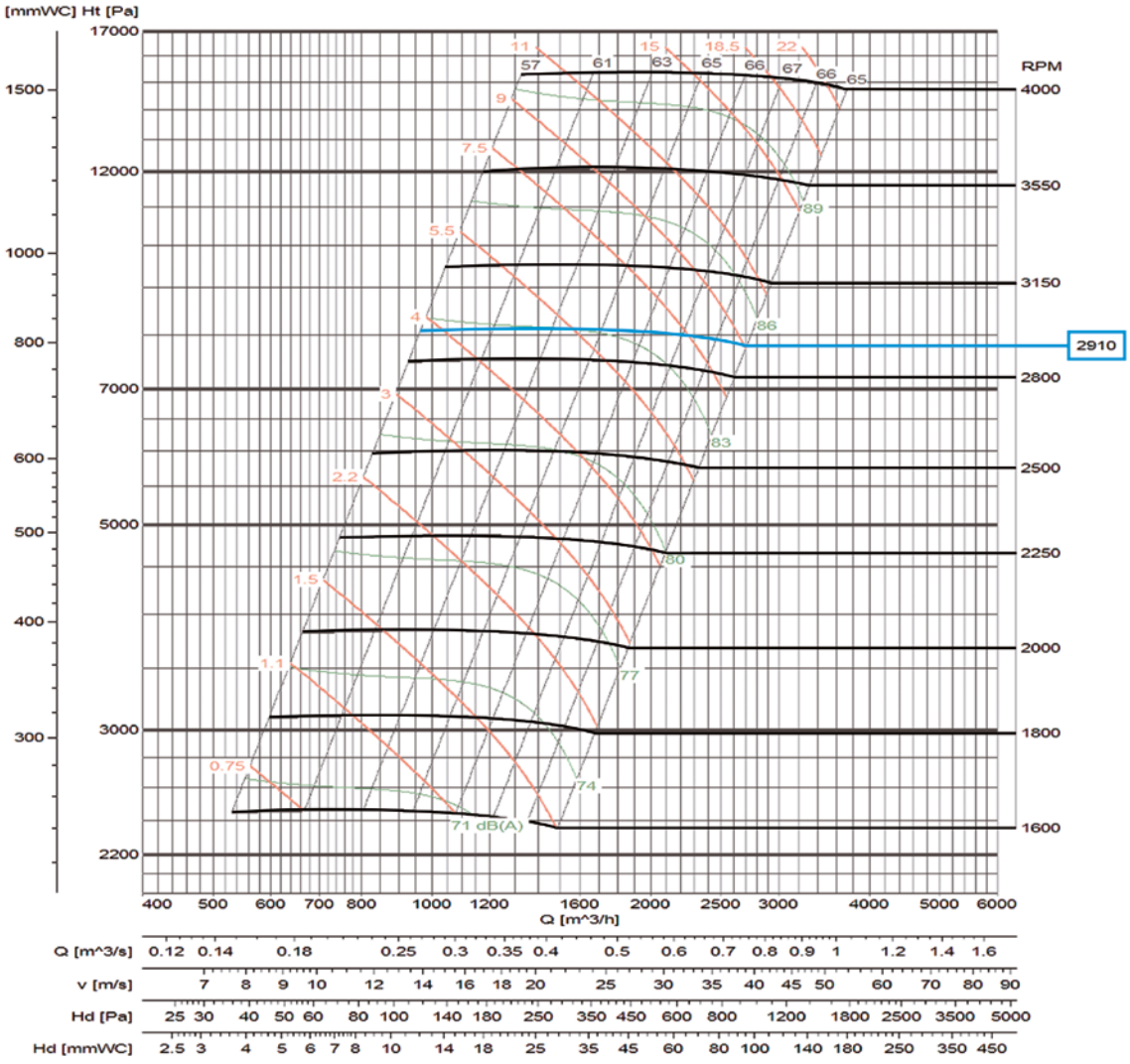
Flow margin ±5%
Noise level margin + 3... 5 dB
Margin of kW absorbed ±3%

Outlet characteristics.

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

Characteristic curves

CAAF 630

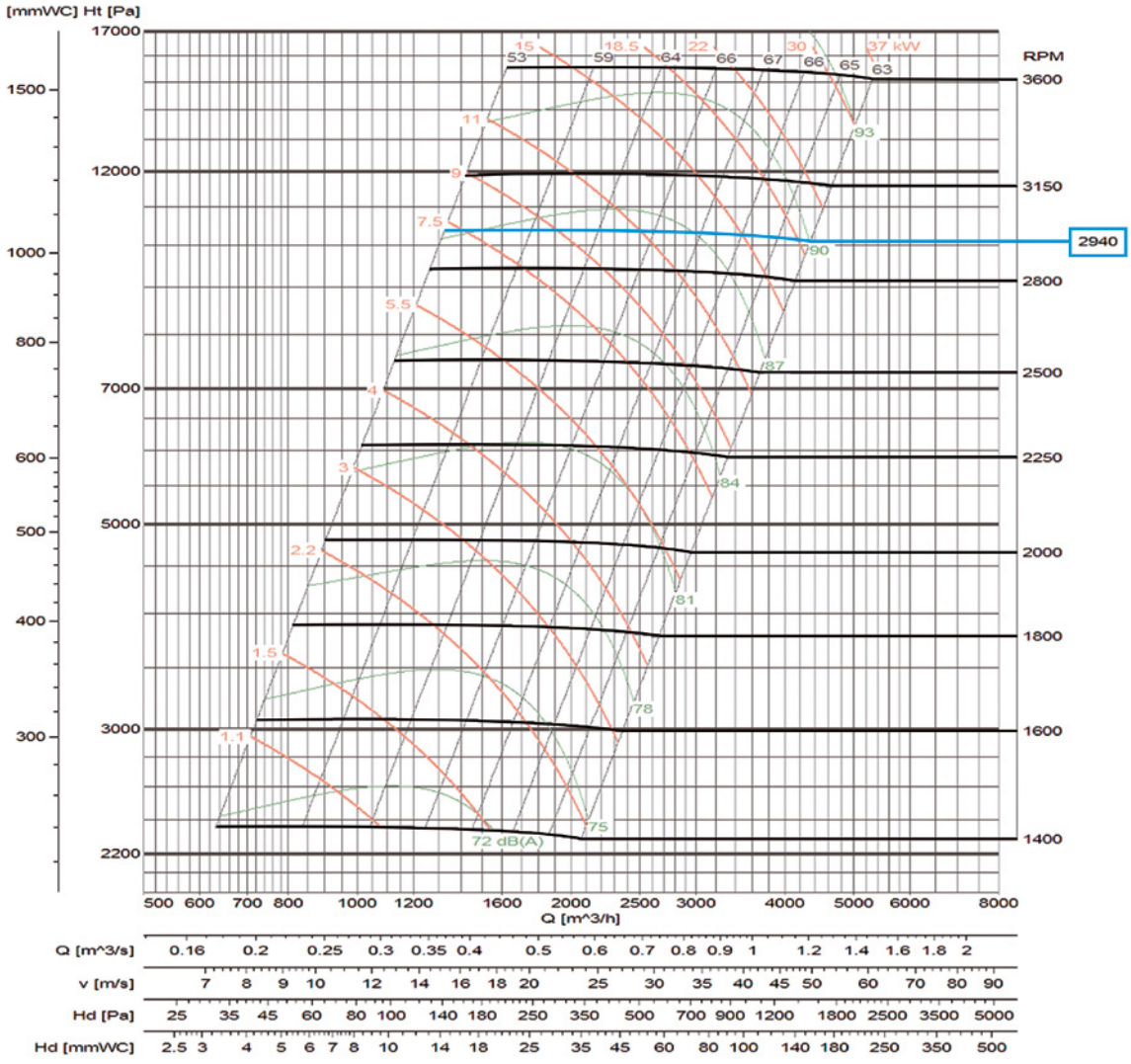


Flow margin ±5%
Noise level margin + 3... 5 dB
Margin of kW absorbed ±3%

Outlet characteristics.

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

CAAF 710



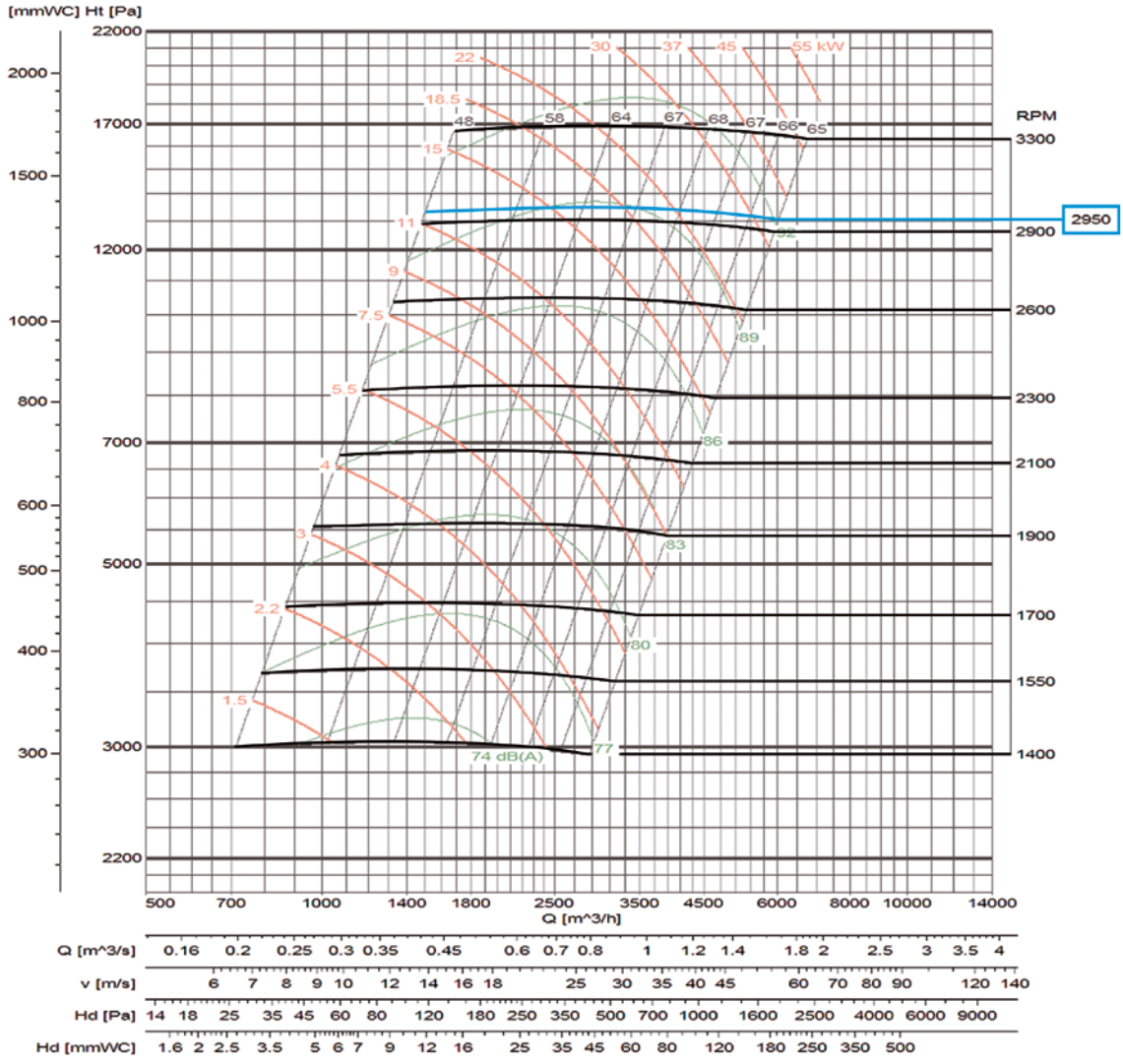
Flow margin ±5%
Noise level margin + 3... 5 dB
Margin of kW absorbed ±3%

Outlet characteristics.

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

Characteristic curves

CAAF 800



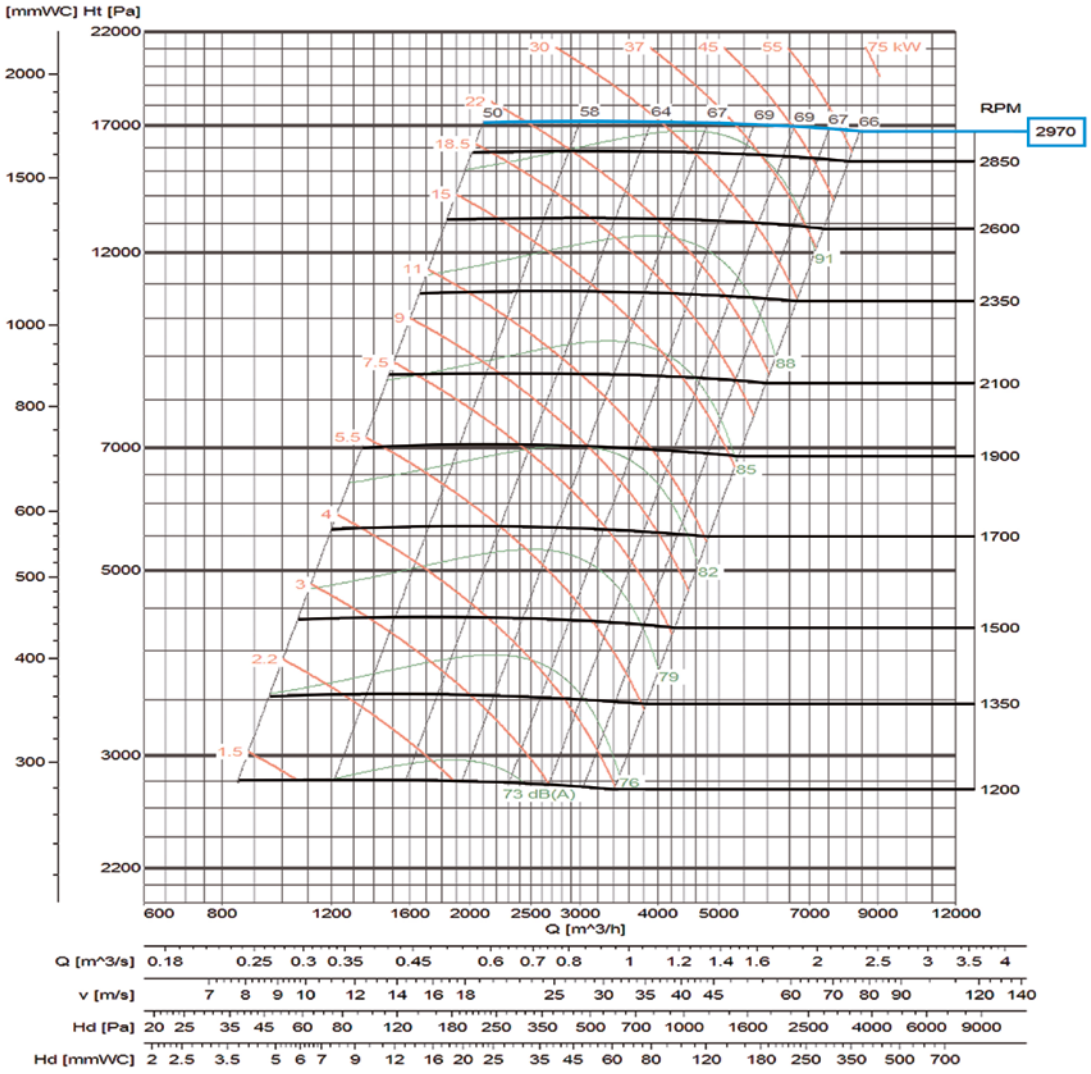
Flow margin ±5%
Noise level margin + 3... 5 dB
Margin of kW absorbed ±3%

Outlet characteristics.

Rpm

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

CAAF 900



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

Outlet characteristics.

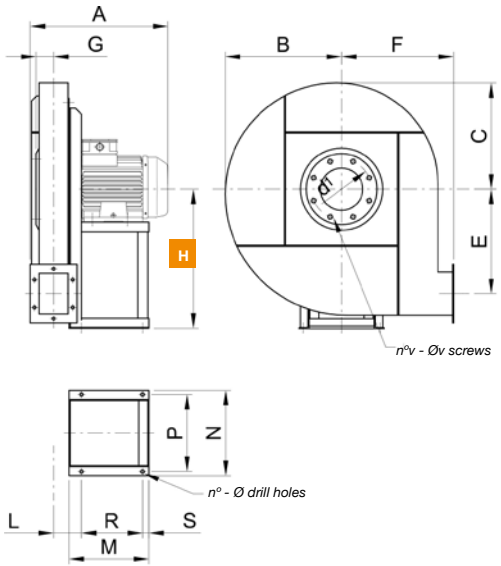
Rpm

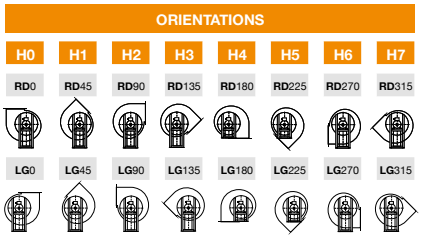
Characteristics for: system 4 and 5 in direct drive motor with 2/4/6/8 poles depending on the model.

Dimensions mm

SYSTEM 4

CAAF 475...900



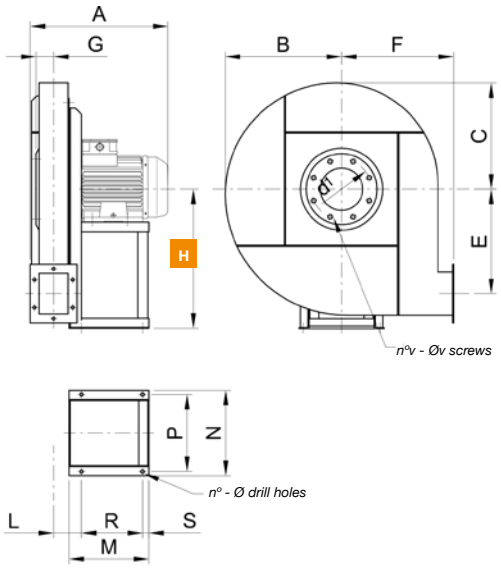


MOD.	FRAME	A*	B	C	E	F	G	HO-1-2-3	H4-5	H6-7	L	M*	N	P	R*	S	nº	Φ
CAAF 475/A	90 L/2	420	380	350	337	355	59	450	355	450	101	215	269	245	140	25	4	10
CAAF 475/A	100 LA/2	450	380	350	337	355	59	450	355	450	101	260	312	280	185	25	4	12
CAAF 560/B	112 M/2	465	425	390	380	400	63	500	400	500	106	260	312	280	185	25	4	12
CAAF 560/B	132 SA/2	555	425	390	380	400	63	500	400	500	106	320	342	310	245	25	4	12
CAAF 560/A	112 M/2	465	425	390	380	400	63	500	400	500	106	260	312	280	185	25	4	12
CAAF 560/A	132 SA/2	555	425	390	380	400	63	500	400	500	106	320	342	310	245	25	4	12
CAAF 630/B	132 SA/2	565	470	430	420	450	70	560	450	560	112	320	342	310	245	25	4	12
CAAF 630/B	132 SB/2	565	470	430	420	450	70	560	450	560	112	320	342	310	245	25	4	12
CAAF 630/A	132 SB/2	565	470	430	420	450	70	560	450	560	112	320	342	310	245	25	4	12
CAAF 630/A	160 MA/2	595	470	430	420	450	70	560	450	560	112	320	342	310	245	25	4	12
CAAF 710/B	132 SB/2	580	525	475	470	475	77	630	475	630	119	320	342	310	245	25	4	12
CAAF 710/B	160 MA/2	650	525	475	470	475	77	630	475	630	119	425	440	400	345	30	4	14
CAAF 710/B	160 MB/2	650	525	475	470	475	77	630	475	630	119	425	440	400	345	30	4	14
CAAF 710/A	160 MA/2	650	525	475	470	475	77	630	475	630	119	425	440	400	345	30	4	14
CAAF 710/A	160 MB/2	650	525	475	470	475	77	630	475	630	119	425	440	400	345	30	4	14
CAAF 710/A	160 L/2	730	525	475	470	475	77	630	475	630	119	425	440	400	345	30	4	14
CAAF 800/B	160 MB/2	665	595	540	537	530	85	710	530	710	127	425	440	400	345	30	4	14
CAAF 800/B	160 L/2	745	595	540	537	530	85	710	530	710	127	425	440	400	345	30	4	14
CAAF 800/B	180 M/2	785	595	540	537	530	85	710	530	710	127	470	490	450	370	30	4	17
CAAF 800/A	160 MB/2	665	595	540	537	530	85	710	530	710	127	425	440	400	345	30	4	14
CAAF 800/A	160 L/2	745	595	540	537	530	85	710	530	710	127	425	440	400	345	30	4	14
CAAF 800/A	180 M/2	785	595	540	537	530	85	710	530	710	147	470	490	450	370	30	4	17
CAAF 800/A	200 LA/2	845	595	540	537	530	85	710	530	710	157	540	608	565	420	40	4	19
CAAF 900/B	180 M/2	805	670	615	600	600	92	800	600	800	156	470	490	450	370	30	4	17
CAAF 900/B	200 LA/2	865	670	615	600	600	92	800	600	800	166	540	558	515	420	40	4	19
CAAF 900/B	200 LB/2	865	670	615	600	600	92	800	600	800	166	540	558	515	420	40	4	19
CAAF 900/B	225 M/2	915	670	615	600	600	92	800	600	800	166	550	608	565	430	40	4	19
CAAF 900/A	200 LA/2	865	670	615	600	600	92	800	600	800	166	540	558	515	420	40	4	19
CAAF 900/A	200 LB/2	865	670	615	600	600	92	800	600	800	166	540	558	515	420	40	4	19
CAAF 900/A	225 M/2	915	670	615	600	600	92	800	600	800	166	550	608	565	430	40	4	19
CAAF 900/A	250 M/2	990	670	615	600	600	92	800	600	800	166	620	704	645	490	50	4	19

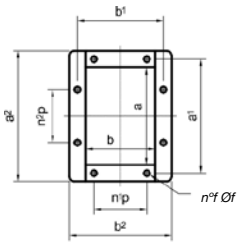
*For "HIGH TEMP." constructions, elevations "A-M-R" + 50 mm.
(kg) Weight of fan with motor.
WD^2 = Moment of inertia of the impeller, expressed in Kg x m^2

Dimensions mm

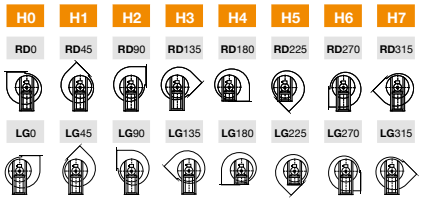
CAAF 475...900



OUTLET NOZZLE



ORIENTATIONS



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

				OUTLET NOZZLE											
MOD.	d¹	n°v	Φv	a	b	a¹	b¹	a²	b²	n¹p	n²p	n°f	Φf	kg	WD²
CAAF 475/A	200	8	M6	129	95	165	130	189	155	-	1-100	6	10	65	1
CAAF 475/A	200	8	M6	129	95	165	130	189	155	-	1-100	6	10	75	1
CAAF 560/B	219	8	M6	145	106	182	141	215	176	-	1-112	6	10	90	1.6
CAAF 560/B	219	8	M6	145	106	182	141	215	176	-	1-112	6	10	110	1.6
CAAF 560/A	219	8	M6	145	106	182	141	215	176	-	1-112	6	10	95	2.3
CAAF 560/A	219	8	M6	145	106	182	141	215	176	-	1-112	6	10	120	2.3
CAAF 630/B	241	8	M6	165	117	200	153	235	187	-	1-112	6	10	135	2.9
CAAF 630/B	241	8	M6	165	117	200	153	235	187	-	1-112	6	10	140	2.9
CAAF 630/A	241	8	M6	165	117	200	153	235	187	-	1-112	6	10	145	3.3
CAAF 630/A	241	8	M6	165	117	200	153	235	187	-	1-112	6	10	160	3.3
CAAF 710/B	265	8	M6	185	131	219	167	255	201	-	1-112	6	10	165	4.6
CAAF 710/B	265	8	M6	185	131	219	167	255	201	-	1-112	6	10	190	4.6
CAAF 710/B	265	8	M6	185	131	219	167	255	201	-	1-112	6	10	225	4.6
CAAF 710/A	265	8	M6	185	131	219	167	255	201	-	1-112	6	10	200	5.8
CAAF 710/A	265	8	M6	185	131	219	167	255	201	-	1-112	6	10	230	5.8
CAAF 710/A	265	8	M6	185	131	219	167	255	201	-	1-112	6	10	250	5.8
CAAF 800/B	292	8	M8	205	146	241	182	275	216	1-112	1-112	8	12	270	7.5
CAAF 800/B	292	8	M8	205	146	241	182	275	216	1-112	1-112	8	12	290	7.5
CAAF 800/B	292	8	M8	205	146	241	182	275	216	1-112	1-112	8	12	320	7.5
CAAF 800/A	292	8	M8	205	146	241	182	275	216	1-112	1-112	8	12	280	10
CAAF 800/A	292	8	M8	205	146	241	182	275	216	1-112	1-112	8	12	290	10
CAAF 800/A	292	8	M8	205	146	241	182	275	216	1-112	1-112	8	12	320	10
CAAF 800/A	292	8	M8	205	146	241	182	275	216	1-112	1-112	8	12	370	10
CAAF 900/B	332	8	M8	229	164	265	200	299	234	1-112	1-112	8	12	370	12.5
CAAF 900/B	332	8	M8	229	164	265	200	299	234	1-112	1-112	8	12	400	12.5
CAAF 900/B	332	8	M8	229	164	265	200	299	234	1-112	1-112	8	12	460	12.5
CAAF 900/B	332	8	M8	229	164	265	200	299	234	1-112	1-112	8	12	500	12.5
CAAF 900/A	332	8	M8	229	164	265	200	299	234	1-112	1-112	8	12	420	15.5
CAAF 900/A	332	8	M8	229	164	265	200	299	234	1-112	1-112	8	12	480	15.5
CAAF 900/A	332	8	M8	229	164	265	200	299	234	1-112	1-112	8	12	520	15.5
CAAF 900/A	332	8	M8	229	164	265	200	299	234	1-112	1-112	8	12	600	15.5

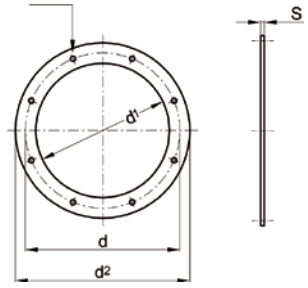
*For "HIGH TEMP." constructions, elevations "A-M-R" + 50 mm.
(kg) Weight of fan with motor.
WD² = Moment of inertia of the impeller, expressed in Kg x m²

To obtain the dimensions of systems 1, 9 and 12 consult with our technical team.

Accessories

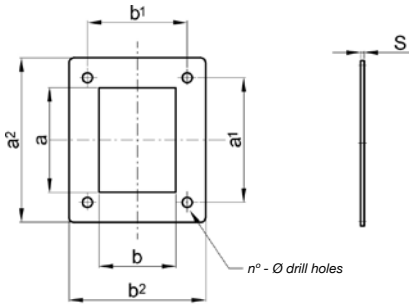
Inlet counter flange

n° - Ø drill holes



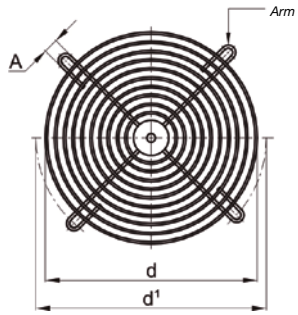
MOD.	d	d¹	d²	n°	Φ	s	kg
CAAF 475	200	165	235	8	9	4	0.65
CAAF 560	219	185	255	8	9	4	0.7
CAAF 630	241	205	275	8	9	4	0.75
CAAF 710	265	229	299	8	9	4	0.8
CAAF 800	292	255	325	8	11	4	1
CAAF 900	332	286	366	8	11	5	1.6

Impulsion counter-flange



MOD.	a	b	a¹	b¹	a²	b²	n¹p	n²p	n⁰	Φ	s	kg
CAAF 475	129	95	165	130	189	155	-	1-100	6	10	4	0.5
CAAF 560	145	106	182	141	215	176	-	1-112	6	10	4	0.7
CAAF 630	165	117	200	153	235	187	-	1-112	6	10	4	0.75
CAAF 710	185	131	219	167	255	201	-	1-112	6	10	4	0.8
CAAF 800	206	147	241	182	276	217	1-112	1-112	8	12	4	0.9
CAAF 900	229	167	265	200	299	234	1-112	1-112	8	12	4	1

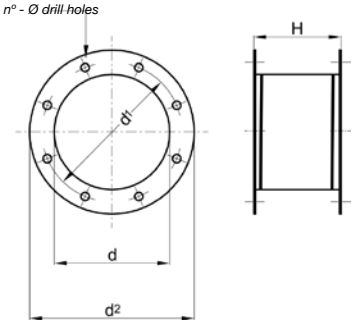
Inlet protection mesh



MOD.	d	d¹	A	n°	kg
CAAF 475	165	200	9	4	0.15
CAAF 560	185	219	9	4	0.18
CAAF 630	205	241	9	4	0.2
CAAF 710	229	265	9	4	0.25
CAAF 800	255	292	11	4	0.3
CAAF 900	286	332	11	4	0.35

Inlet anti-vibration seal

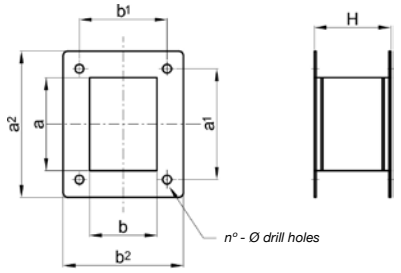
n° - Ø drill holes



MOD.	d	d'	d''	n°	Φ	H	kg
CAAF 475	200	165	235	8	9	200	1.6
CAAF 560	219	185	255	8	9	200	1.7
CAAF 630	241	205	275	8	9	200	1.8
CAAF 710	265	229	299	8	9	200	2
CAAF 800	292	255	325	8	11	200	2.2
CAAF 900	332	286	366	8	11	200	3.4

Accessories

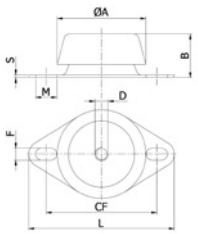
Impulsion anti-vibration seal



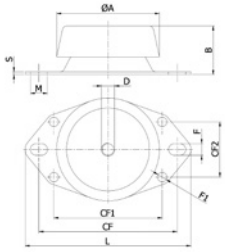
MOD.	a	b	a¹	b¹	a²	b²	n¹p	n²p	n⁰	Φ	H	kg
CAAF 475	129	95	165	130	189	155	-	1-100	6	10	200	1.2
CAAF 560	145	106	182	141	215	176	-	1-112	6	10	200	1.6
CAAF 630	165	117	200	153	235	187	-	1-112	6	10	200	1.7
CAAF 710	185	131	219	167	255	201	-	1-112	6	10	200	1.8
CAAF 800	206	147	241	182	276	217	1-112	1-112	8	12	200	2
CAAF 900	229	164	265	200	299	234	1-112	1-112	8	12	200	2.2

Shock absorbers

TYPE 1

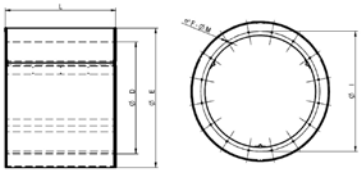


TYPE 2



MOD.	SHOCK-ABSORBERS MODEL	TYPE	øA	B	D	CF	CF1	CF2	F	øF1	L	M	S
CAAF 475	CF 623110	1	67	33...34	10	76.5	-	-	9	-	90.5	16	2
CAAF 560	CF 623110	1	67	33...34	10	76.5	-	-	9	-	90.5	16	2
CAAF 630	CF 623110	1	67	33...34	10	76.5	-	-	9	-	90.5	16	2
CAAF 710	CF 623110	1	67	33...34	10	76.5	-	-	9	-	90.5	16	2
CAAF 800	CF 924512	2	92	44...45	12	120	98	50	10.5	8.5	130	15.5	2.5
CAAF 900	CF 924512	2	92	44...45	12	120	98	50	10.5	8.5	130	15.5	2.5

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	øl	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	øl	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