

BPA/BPAK

RADIAL FAN BLADE

Exhaust fans with external rotor AC motor and Pellet Fans carrying combustion exhaust air in solid fuel boilers stand out with their durability, long life and cost advantage.

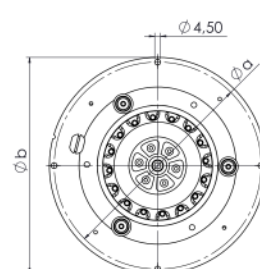
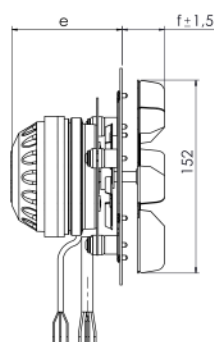
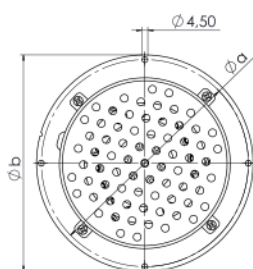
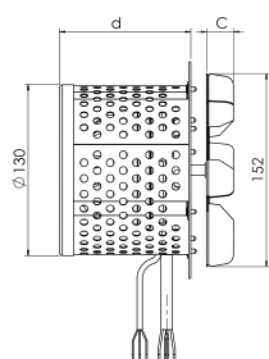
Usage Areas

Boilers of different power burning renewable energy source pellets (pressed wood sawdust granules).

Advantages

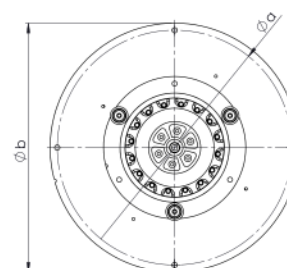
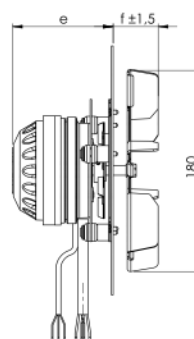
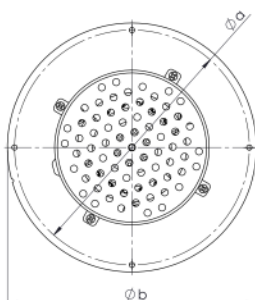
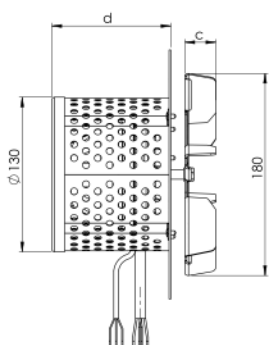
- Maximum pressure, minimum vibration
- Compact design
- High performance with small volumes
- High energy efficiency with speed adjustment via Hall sensor

Technical Drawing and Tables



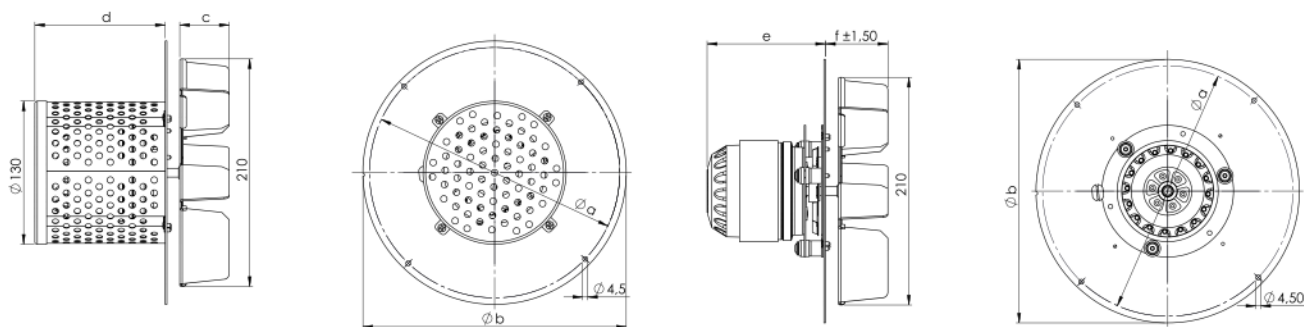
TYPE	A	B	C	D	E	F
BPA 150	158	165	20	100	85	32

Dimensions are in (mm)



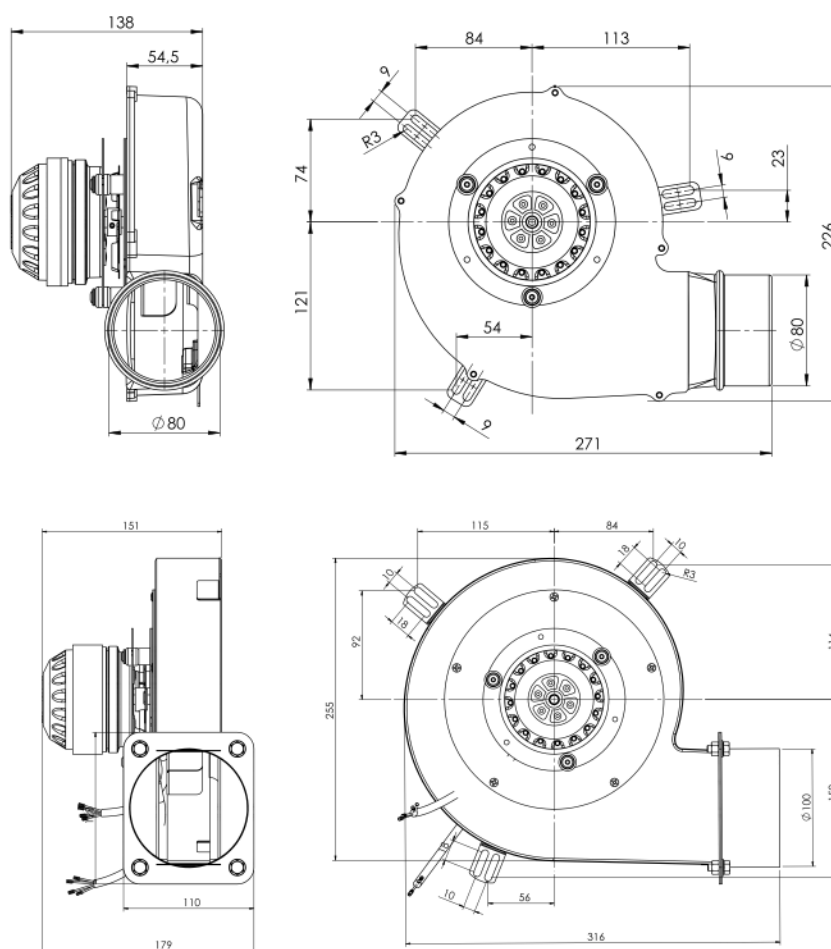
TYPE	A	B	C	D	E	F
BPA 180-1	198	210	26	90	85	38
BPA 180-2	198	210	45	100	95	55

Dimensions are in (mm)



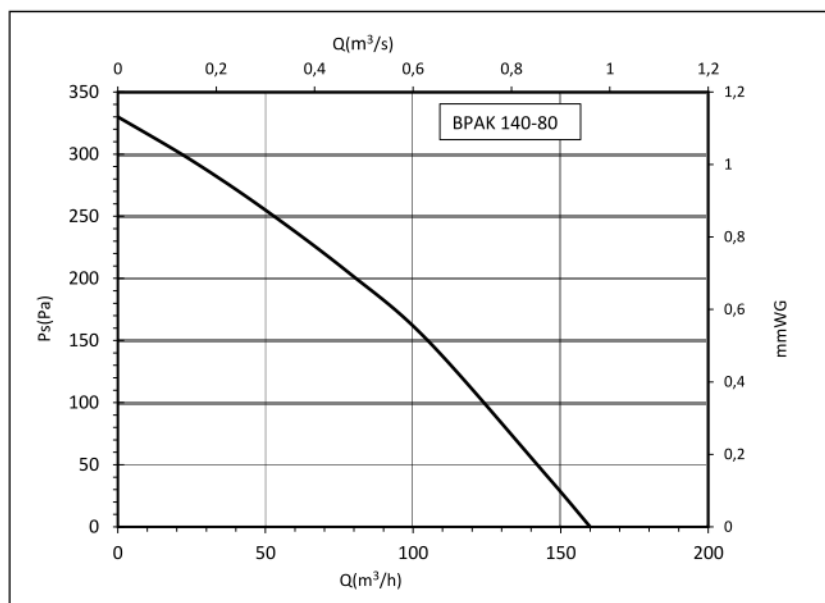
TYPE	A	B	C	D	E	F
BPA 210-1	228	240	30	120	110	42
BPA 210-2	228	240	45	120	110	57

Dimensions are in (mm)

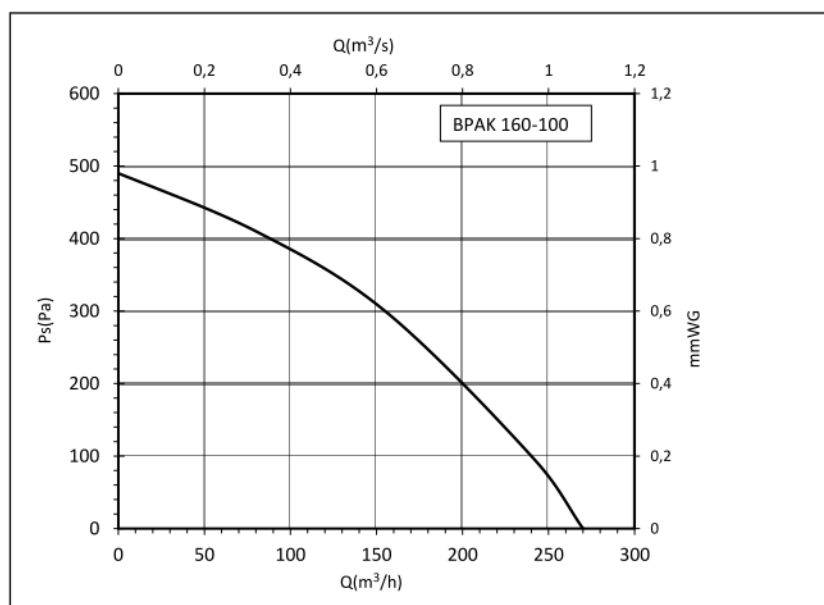


TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	PERM.AMB. TEMP.
	V	Hz	W	(A)	(μ F)	r.p.m	m ³ /h	dB(A)	Ins.cl.	IP	°C
BPA 150-1	230	50/60	37	0,16	1	2350	220	62	F	44	(-25)+(75)
BPA 180 -1	230	50/60	43	0,18	1	1575	265	58	F	44	(-25)+(80)
BPA 180-2	230	50/60	75	0,33	2	1800	425	68	F	44	(-25)+(75)
BPA 210-1	230	50/60	110	0,48	2	1750	490	64	F	44	(-25)+(75)
BPA 210-2	230	50/60	125	0,55	3	1600	580	69	F	44	(-25)+(70)
BPAK 140-80	230	50/60	45	0,20	1,5	2325	160	57	F	44	(-25)+(80)
BPAK 160-100	230	50/60	68	0,30	2	2400	270	59	F	44	(-25)+(75)

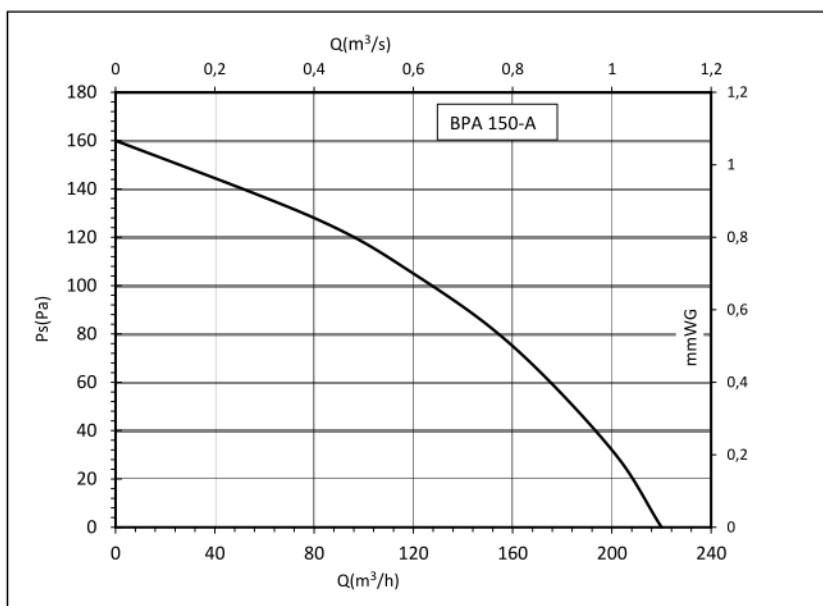
Sound Level Measured from 3m distance in room condition.

BPAK 140-80

50Hz			
MCH	PA_ST	CFM	mmWG
160	0	0,04	0,00
145	42	0,04	4,20
105	150	0,03	15,00
78	205	0,02	20,50
50	255	0,01	25,50
25	295	0,01	29,50
0	330	0,00	33,00

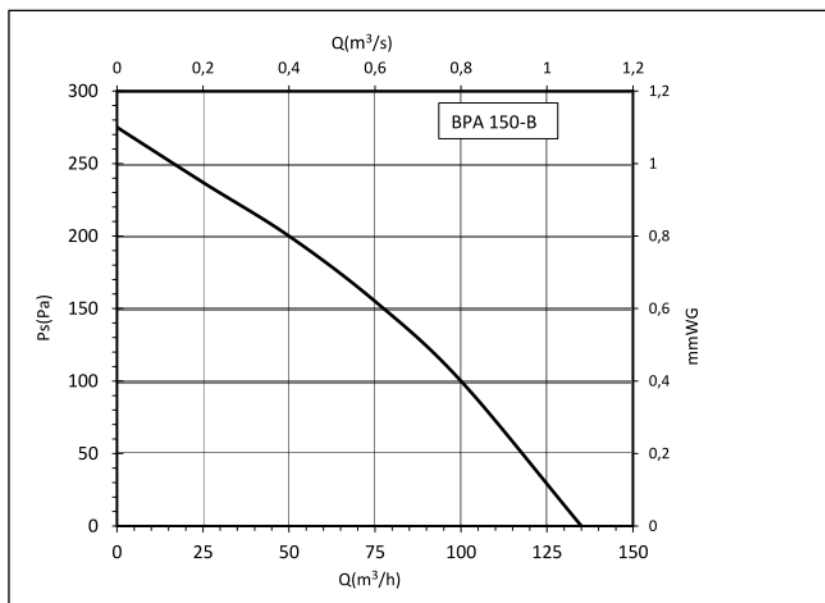
BPAK 160-100

50Hz			
MCH	PA_ST	CFM	mmWG
270	0	0,08	0,00
240	100	0,07	10,00
155	300	0,04	30,00
80	410	0,02	41,00
0	490	0,00	49,00
		0,00	0,00
		0,00	0,00
		0,00	0,00
		0,00	0,00
		0,00	0,00
		0,00	0,00

BPA 150-A


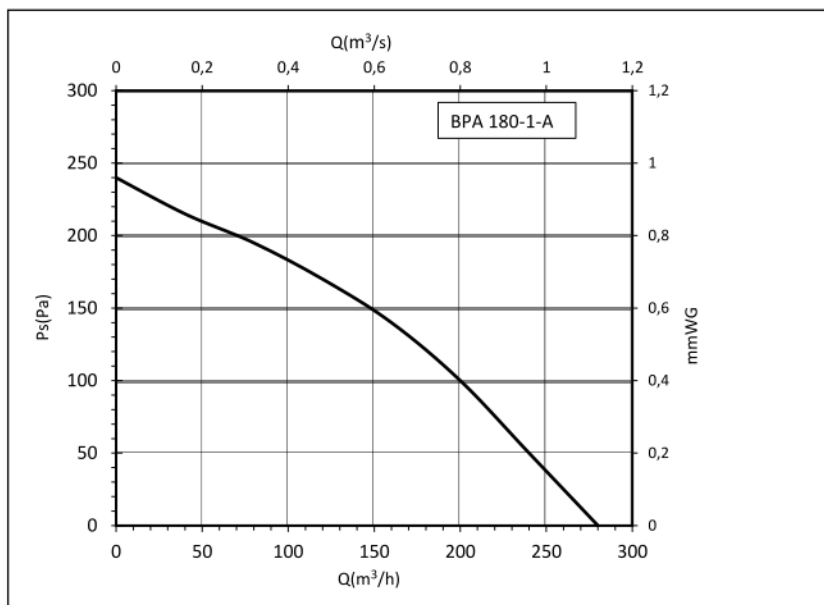
A: Without Scroll Airflow performance

50Hz			
MCH	PA_ST	CFM	mmWG
220	0	0,06	0,00
200	32	0,06	3,20
160	75	0,04	7,50
120	105	0,03	10,50
80	128	0,02	12,80
0	160	0,00	16,00
		0,00	0,00
		0,00	0,00
		0,00	0,00
		0,00	0,00

BPA 150-B


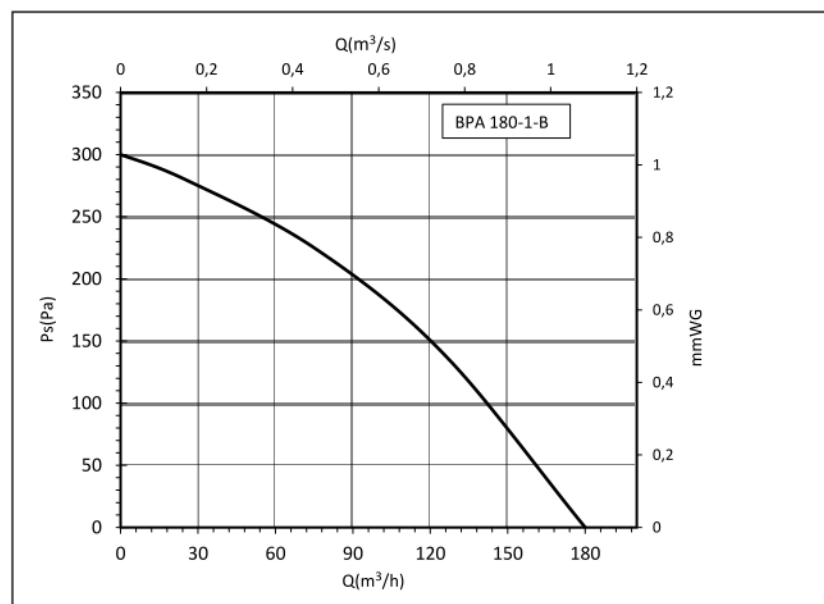
B: With Scroll Airflow performance

50Hz			
MCH	PA_ST	CFM	mmWG
135	0	0,04	0,00
100	100	0,03	10,00
75	155	0,02	15,50
50	200	0,01	20,00
25	237	0,01	23,70
0	275	0,00	27,50

BPA 180-1-A

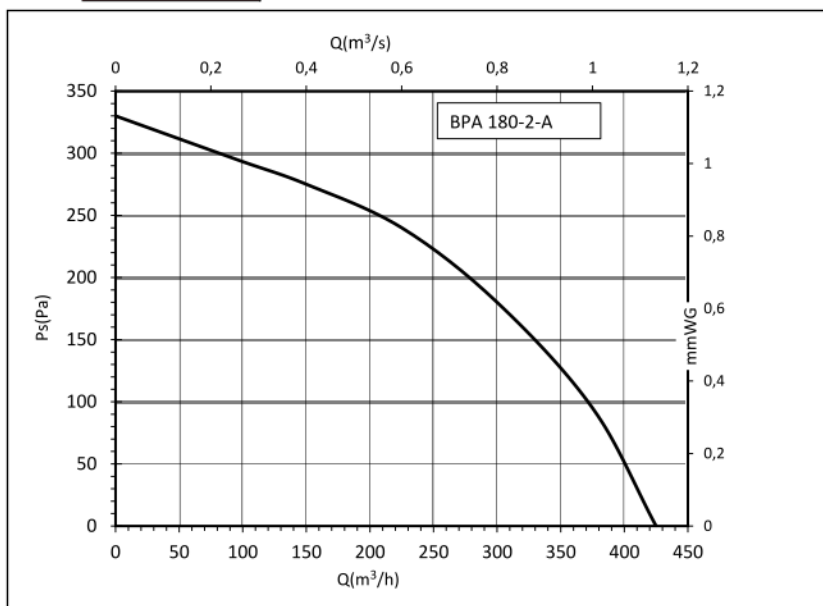
A: Without Scroll Airflow performance

50Hz			
MCH	PA_ST	CFM	mmWG
280	0	0,08	0,00
240	50	0,07	5,00
200	100	0,06	10,00
160	140	0,04	14,00
120	170	0,03	17,00
80	195	0,02	19,50
40	215	0,01	21,50
0	240	0,00	24,00
		0,00	0,00

BPA 180-1-B

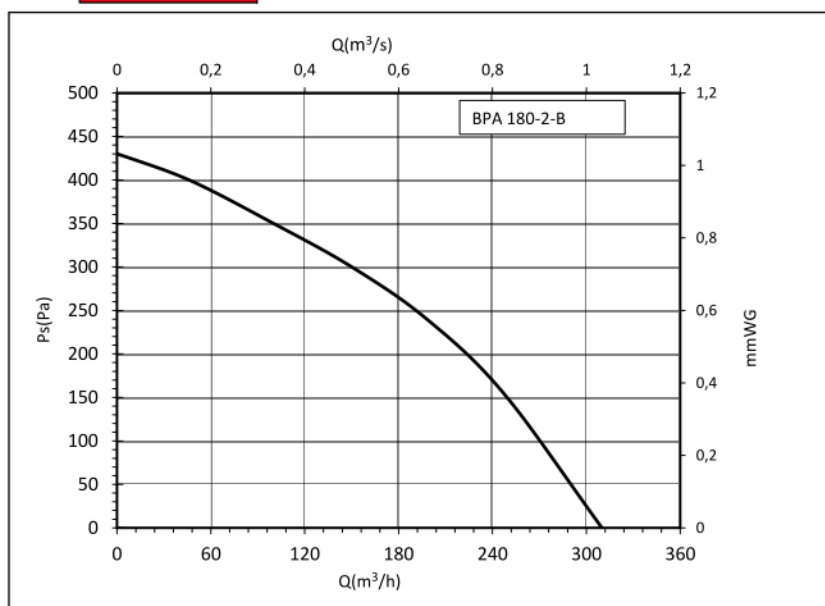
B: With Scroll Airflow performance

50Hz			
MCH	PA_ST	CFM	mmWG
180	0	0,05	0,00
125	140	0,03	14,00
75	225	0,02	22,50
25	280	0,01	28,00
0	300	0,00	30,00
		0,00	0,00

BPA 180-2-A


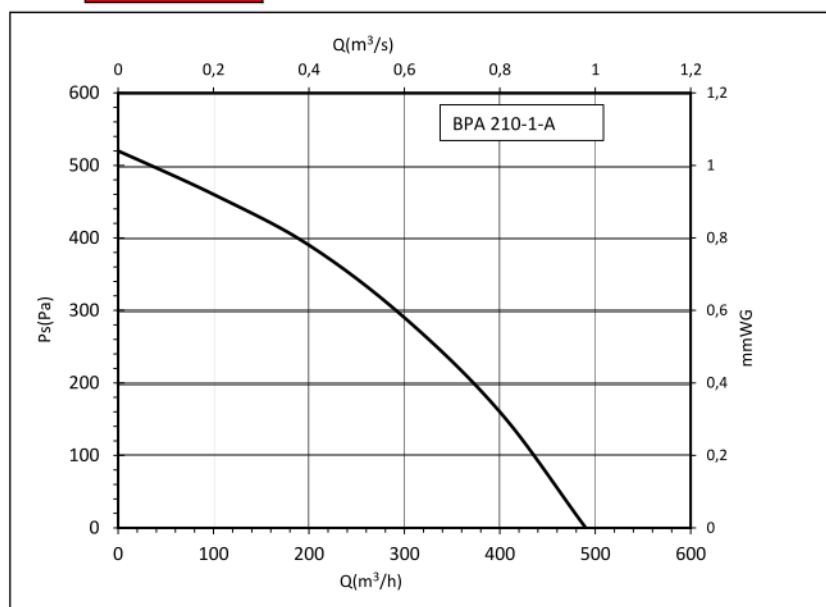
A: Without Scroll Airflow performance

50Hz			
MCH	PA_ST	CFM	mmWG
425	0	0,12	0,00
375	95	0,10	9,50
300	180	0,08	18,00
225	240	0,06	24,00
150	275	0,04	27,50
95	295	0,03	29,50
0	330	0,00	33,00
		0,00	0,00
		0,00	0,00

BPA 180-2-B


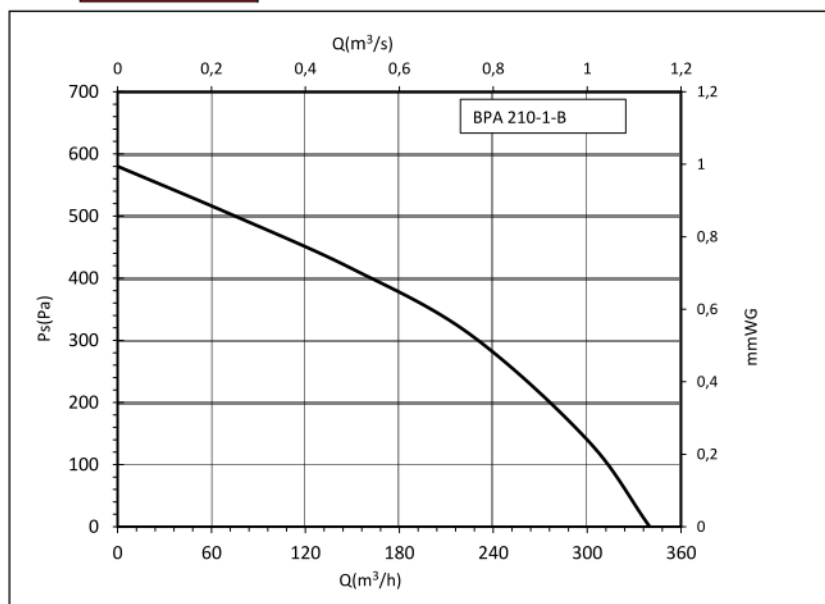
B: With Scroll Airflow performance

50Hz			
MCH	PA_ST	CFM	mmWG
310	0	0,09	0,00
247	155	0,07	15,50
198	240	0,06	24,00
150	300	0,04	30,00
100	350	0,03	35,00
46	400	0,01	40,00
0	430	0,00	43,00

BPA 210-1-A

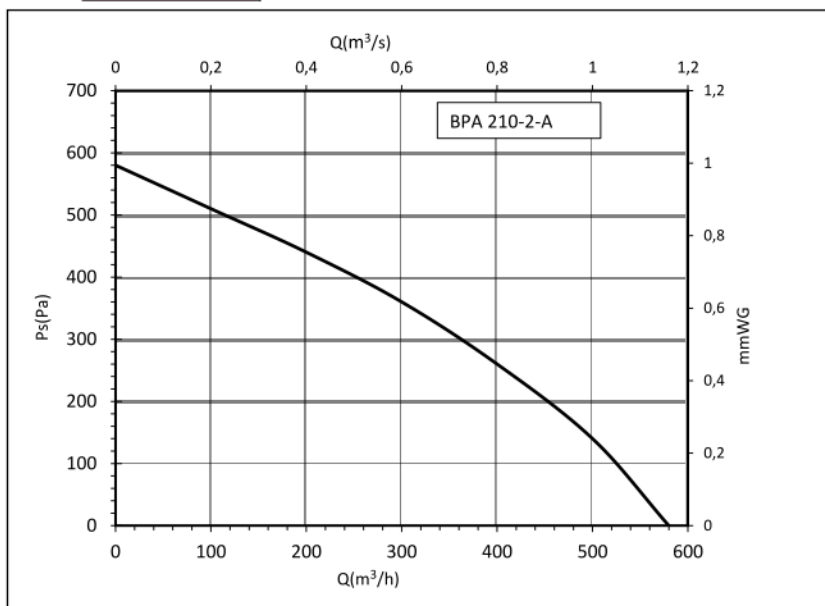
A: Without Scroll Airflow performance

50Hz			
MCH	PA_ST	CFM	mmWG
490	0	0,14	0,00
400	160	0,11	16,00
300	290	0,08	29,00
200	390	0,06	39,00
100	460	0,03	46,00
0	520	0,00	52,00
		0,00	0,00
		0,00	0,00
		0,00	0,00
		0,00	0,00

BPA 210-1-B

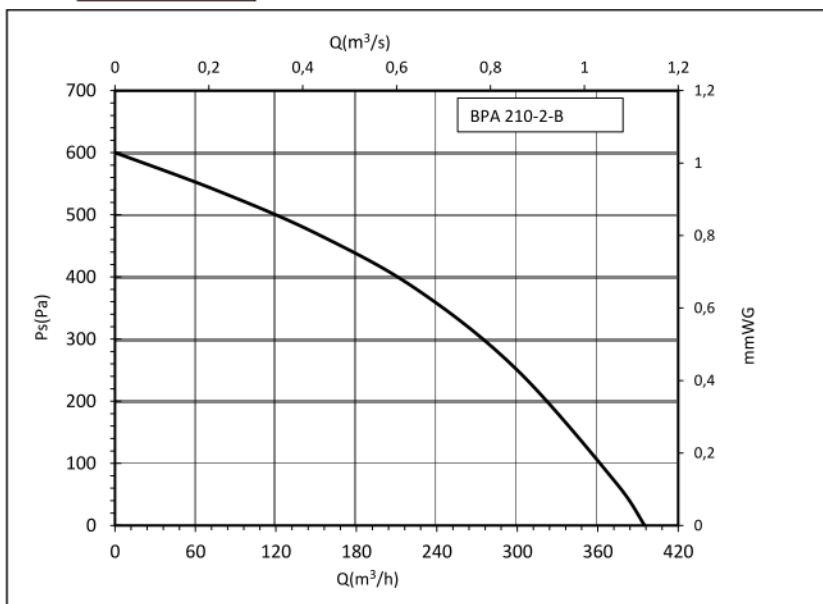
B: With Scroll Airflow performance

50Hz			
MCH	PA_ST	CFM	mmWG
340	0	0,09	0,00
300	140	0,08	14,00
225	310		
150	415	0,04	41,50
75	500	0,02	50,00
0	580	0,00	58,00
0		0,00	0,00
0		0,00	0,00

BPA 210-2-A


A: Without Scroll Airflow performance

50Hz			
MCH	PA_ST	CFM	mmWG
580	0	0,16	0,00
500	140	0,14	14,00
400	260	0,11	26,00
300	360	0,08	36,00
200	440	0,06	44,00
100	510	0,03	51,00
0	580	0,00	58,00
		0,00	0,00
		0,00	0,00
		0,00	0,00

BPA 210-2-B


B: With Scroll Airflow performance

50Hz			
MCH	PA_ST	CFM	mmWG
395	0	0,11	0,00
375	65	0,10	6,50
300	250		
225	380	0,06	38,00
150	470	0,04	47,00
75	540	0,02	54,00
0	600	0,00	60,00