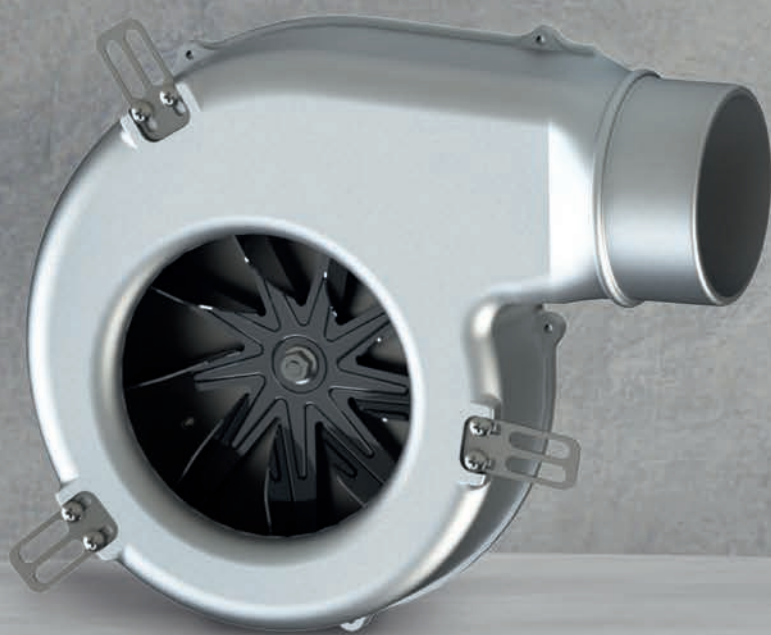


BPA / BPAK SERIES

PELLET FANS



BVN has been providing millions of ventilation fans of different scales, used in various application areas by thousands of institutions from 85 countries of the world for 30 years. BVN carries out its de-sign, production, and R&D activities for ventilation fans and external rotor electric motors as part of its wide range of products. Having adopted the end-to-end domestic production philosophy, BVN offers its 100% Made in Turkey products to the HVAC (Heating, Ventilation, and Air Conditioning) industry and other industries with a competitive edge thanks to compliance with international standards, and pro-vides services to its business partners in Turkey and around the world with its professional staff and flexible production capabilities. We have set out with the slogan "For A Breath of Fresh Air" and we work hard for more efficiency, more comfort, and a better future.



Affiliated Organizations and Our Certification



GENERAL INFORMATION

BPA and BPAK AC centrifugal fans can be used at the air intake or combustion gas outlet. These fans can be produced with IC hall sensor optionally. High temperature resistant bearing and steel construction structure are used. By using optimized blade and fan technology with aerodynamic CFD analysis, the product has been designed in the field of highest efficiency and service. Ultimately, they are products designed according to the field of application with low sound noise, maximum service life and cost optimization ability.

Advantages ;

- Robust design (-25° Celsius and all models can operate at minimum +75° Celsius)
- Compact structure and low weight thanks to external rotor motor
- Low energy consumption
- Long service life
- Stainless steel impeller, high corrosion resistance material.
- Wide product range that can meet the variable demands of machine manufacturers
- Optional structure and cases.
- As a motor and fan manufacturer, we can provide variable customer demand performance, construction and corrosion class in design.

BPA / BPAK SERIES

PELLET FANS

Fan Components and Material Properties

The impeller is made of corrosion resistant stainless steel. Standard product mounting flange is galvanised sheet metal, can be produce of stainless steel. The imepler is coupled directly to the motor. All motors "F" insulation class and standart protection class is IP 44. The motor has a high temperature resistant greased ball bearing. Available optional speed monitoring with Hall IC. All motors have TOP wired internally motor protection. The scroll body is produced with high pressure aluminum casting.

Speed Control

Optional control devices can be provided. 1~Phase products can be controlled with linear voltage regulator (see BSC accessory).

* For three-phase models information please contact BVN representatives for request and detailed information.

Usage Areas

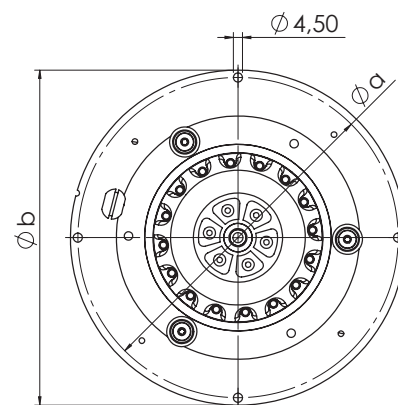
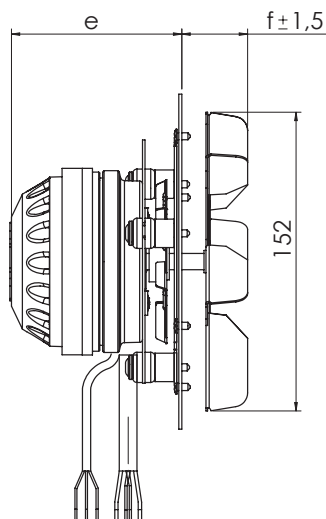
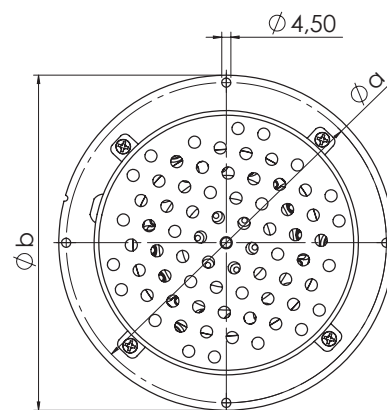
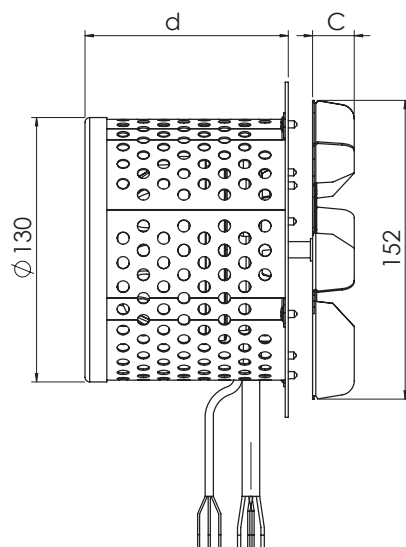
General usage areas; It is suitable for use in all areas suitable for material and technical platform, including solid fuel stoves, pellet stoves, oven circulation fans. For more detailed information, you can get information from the BVN representative.



Technical Data Tables & Technical Drawing

TYPE	MEASURE TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	SPEED	MAX AIRFLOW	CAPACITRO	INSULATION CLASS	PROTECTION CLASS	PERM. AMB. TEMP.
		V	HZ	[W]	[A]	[rpm]	[m3h]	[uF]		IP	[°C]
BPA 150	A	230	50/60	37	0,16	2350	230	1	F	44	(-25) (+75)
	B	230	50/60	33	0,14	2500	135	1	F	44	(-25) (+75)

*A- Without scroll measurement, B- With scroll measurement

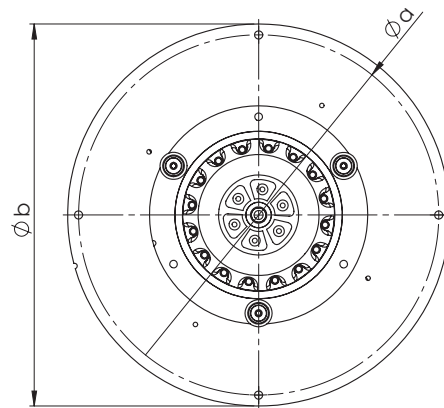
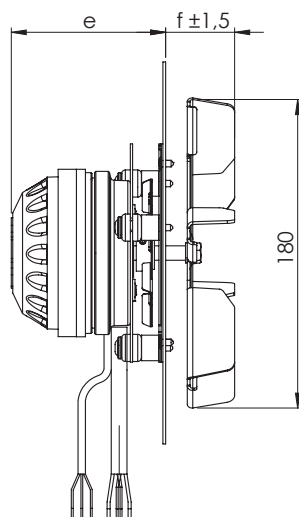
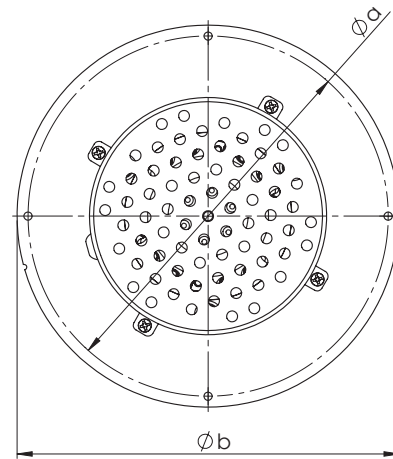
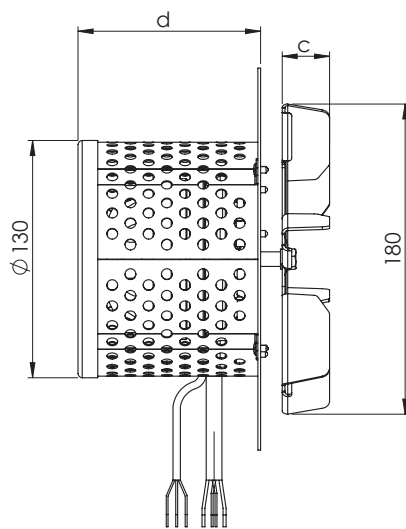


TYPE	A	B	C	D	E	F
BPA 150	158	165	20	100	85	32

Technical Data Tables & Technical Drawing

TYPE	MEASURE TYPE	VOLTAGE V	FREQUENCY HZ	POWER [W]	CURRENT [A]	SPEED [rpm]	MAX AIRFLOW [m3h]	CAPACITRO [uF]	INSULATION CLASS	PROTECTION CLASS IP	PERM. AMB. TEMP. [°C]
BPA 180-1	A	230	50	43	0,18	1575	265	2	F	44	(-25) (+80)
	B	230	50	39	0,16	1675	180	2	F	44	(-25) (+80)
BPA 180-2	A	230	50	75	0,33	1800	425	2	F	44	(-25) (+60)
	B	230	50	69	0,3	1870	310	2	F	44	(-25) (+60)

*A- Without scroll measurement, B- With scroll measurement

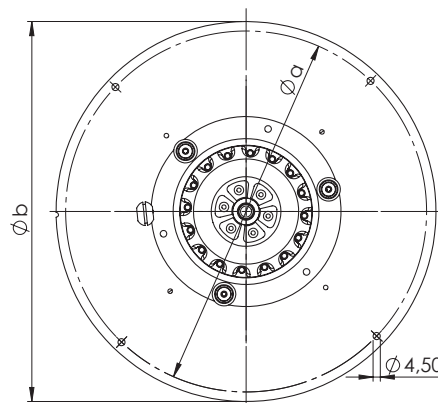
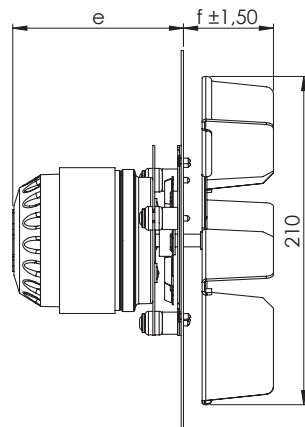
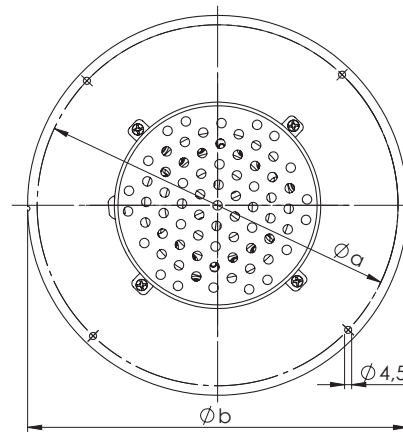
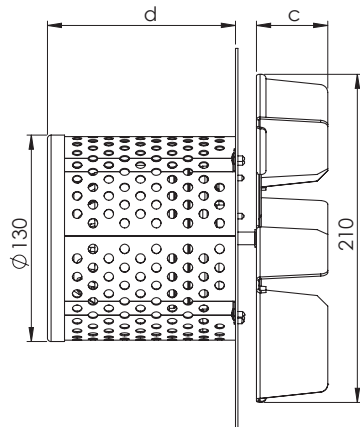


TYPE	A	B	C	D	E	F
BPA 180-1	198	210	26	90	85	38
BPA 180-2	198	210	45	100	95	55

Technical Data Tables & Technical Drawing

TYPE	MEASURE TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	SPEED	MAX AIRFLOW	CAPACITRO	INSULATION CLASS	PROTECTION CLASS	PERM. AMB. TEMP.
		V	HZ	[W]	[A]	[rpm]	[m3h]	[uF]		IP	[°C]
BPA 210-1	A	230	50	110	0,48	1750	490	2	F	44	(-25) (+75)
	B	230	50	102	0,43	1875	340	2	F	44	(-25) (+75)
BPA 210-2	A	230	50	120	0,55	1600	580	3	F	44	(-25) (+70)
	B	230	50	108	0,5	1725	390	3	F	44	(-25) (+70)

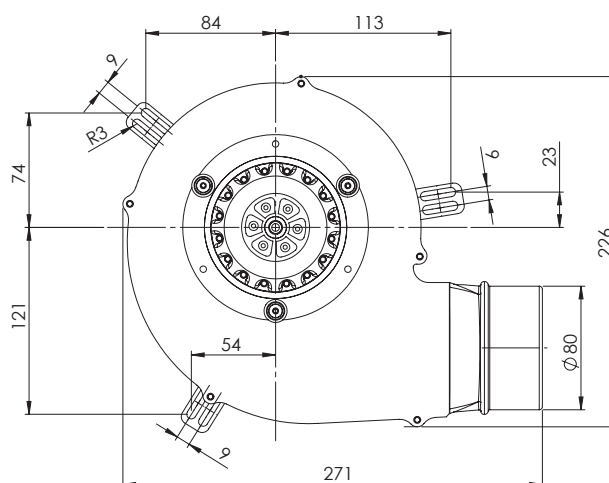
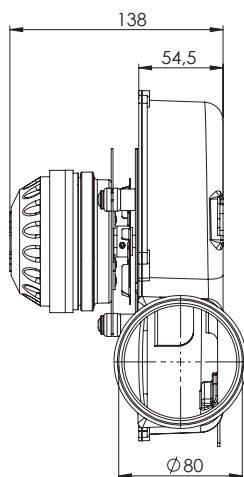
*A- Without scroll measurement, B- With scroll measurement



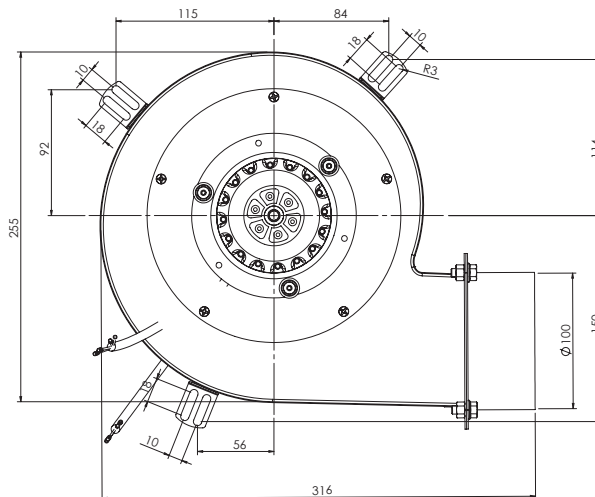
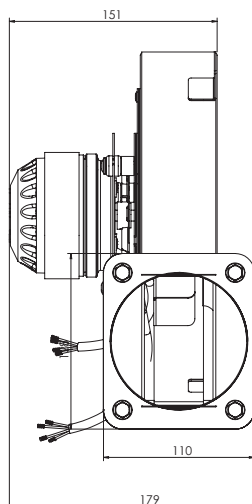
TYPE	A	B	C	D	E	F
BPA 210-1	228	240	30	120	110	42
BPA 210-2	228	240	45	120	110	57

Technical Data Tables & Technical Drawing

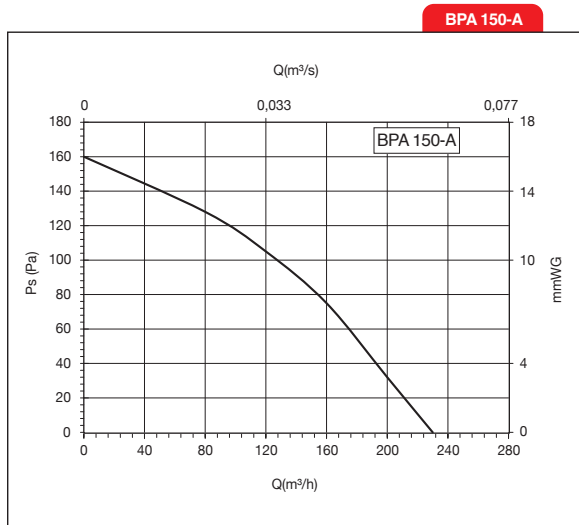
TYPE	MEASURE TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	SPEED	MAX AIRFLOW	CAPACITRO	INSULATION CLASS	PROTECTION CLASS	PERM. AMB. TEMP.
		V	HZ	[W]	[A]	[rpm]	[m3h]	[uF]		IP	[°C]
BPAK 140-80	1	230	50	45	0,2	2325	160	1,5	F	44	(-25) (+80)



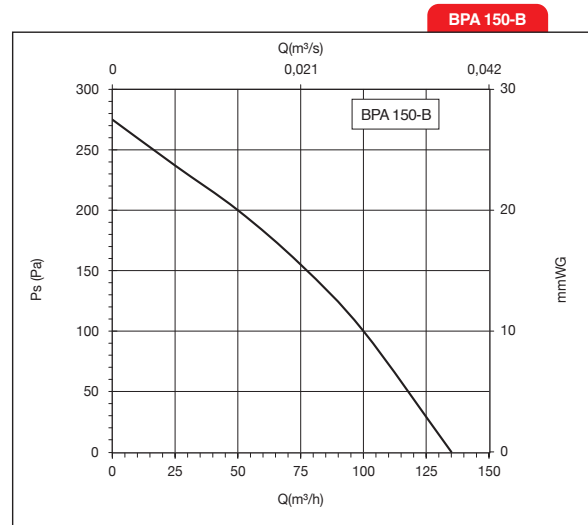
TYPE	MEASURE TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	SPEED	MAX AIRFLOW	CAPACITRO	INSULATION CLASS	PROTECTION CLASS	PERM. AMB. TEMP.
		V	HZ	[W]	[A]	[rpm]	[m3h]	[uF]		IP	[°C]
BPAK 160-100	1	230	50	68	0,3	2400	270	2	F	44	(-25) (+75)



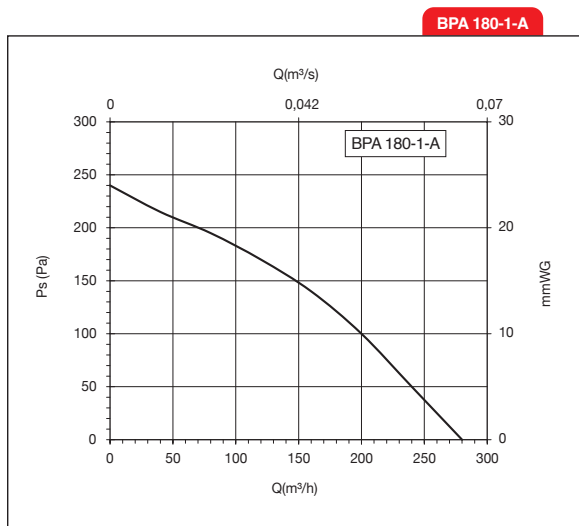
Performance Curves



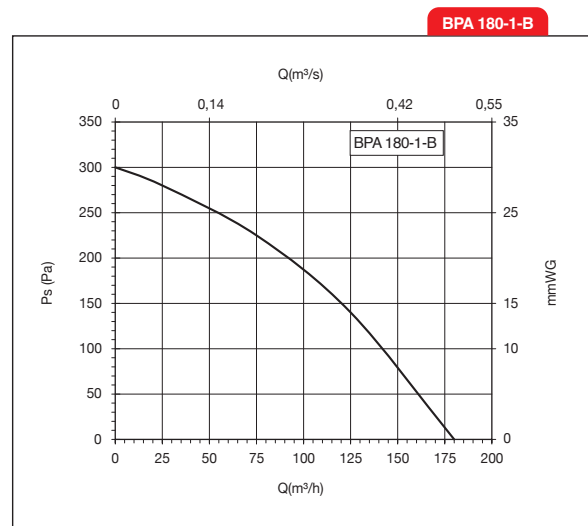
A: Without Scroll Airflow performance



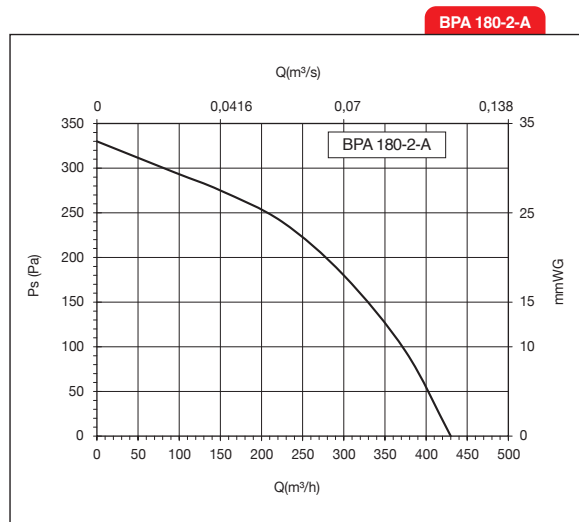
B: With Scroll Airflow performance



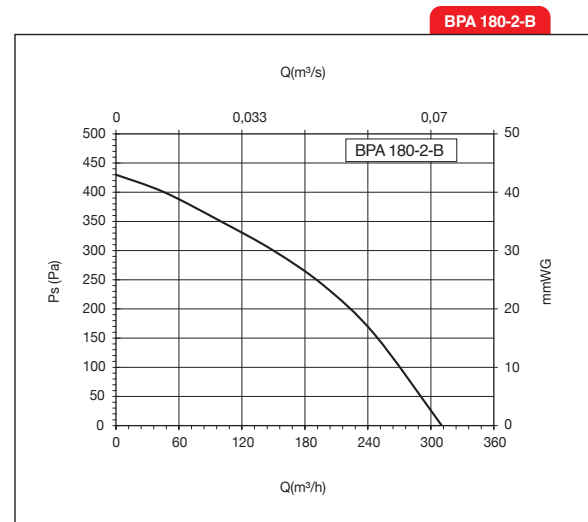
A: Without Scroll Airflow performance



B: With Scroll Airflow performance

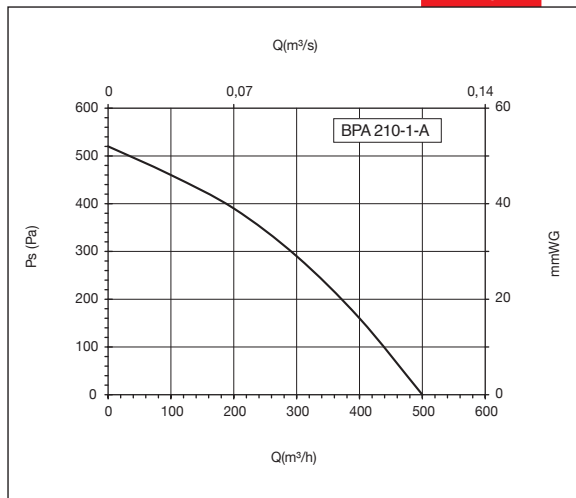


A: Without Scroll Airflow performance

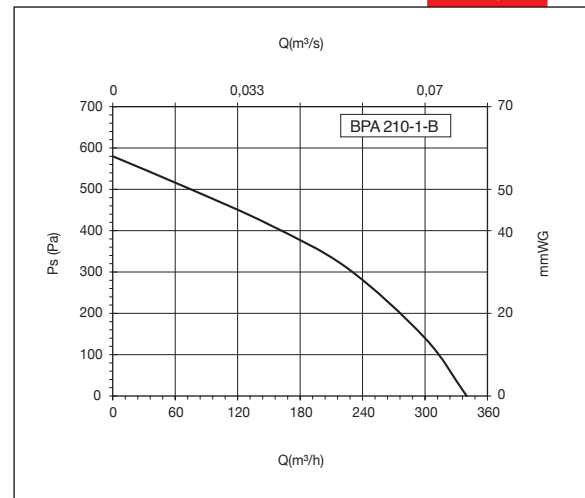


B: With Scroll Airflow performance

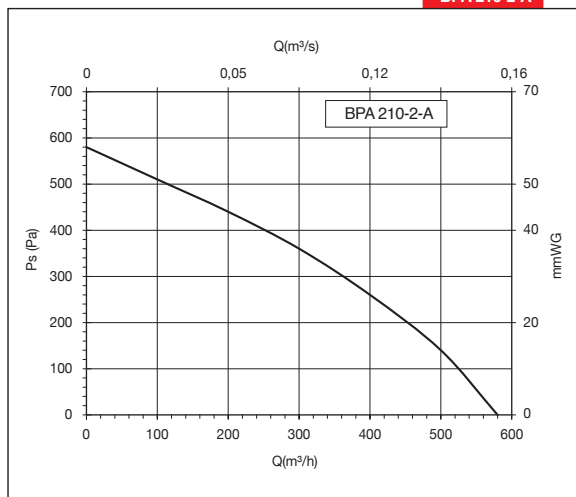
Performance Curves

BPA 210-1-A

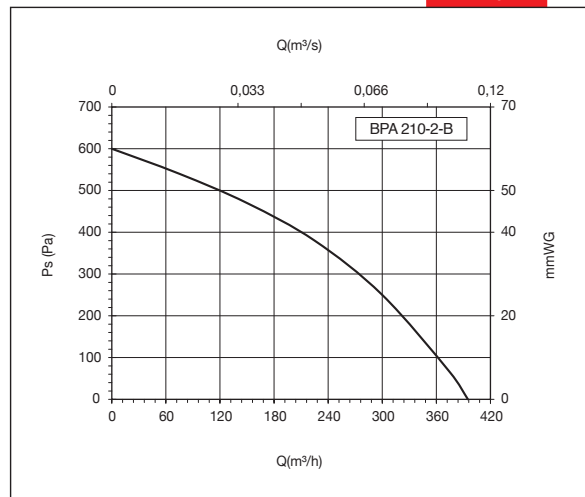
A: Without Scroll Airflow performance

BPA 210-1-B

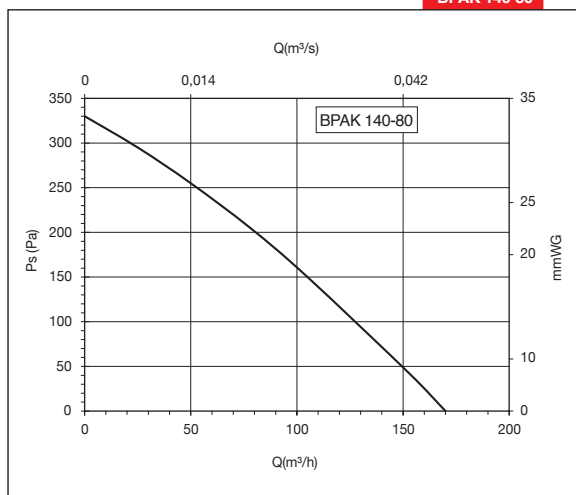
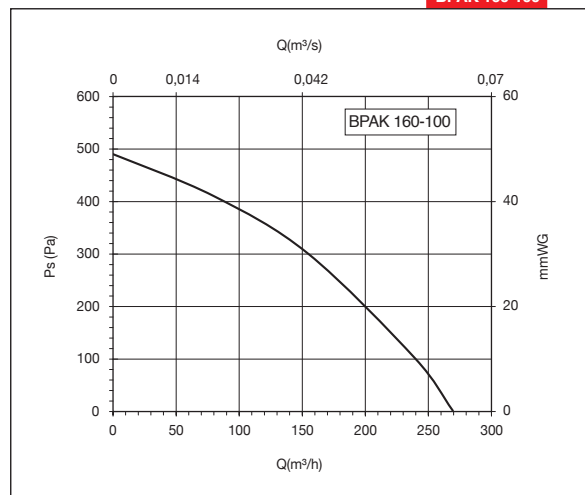
B: With Scroll Airflow performance

BPA 210-2-A

A: Without Scroll Airflow performance

BPA 210-2-B

B: With Scroll Airflow performance

BPAK 140-80**BPAK 160-100**



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