

BoxFan

For multiple purposes.

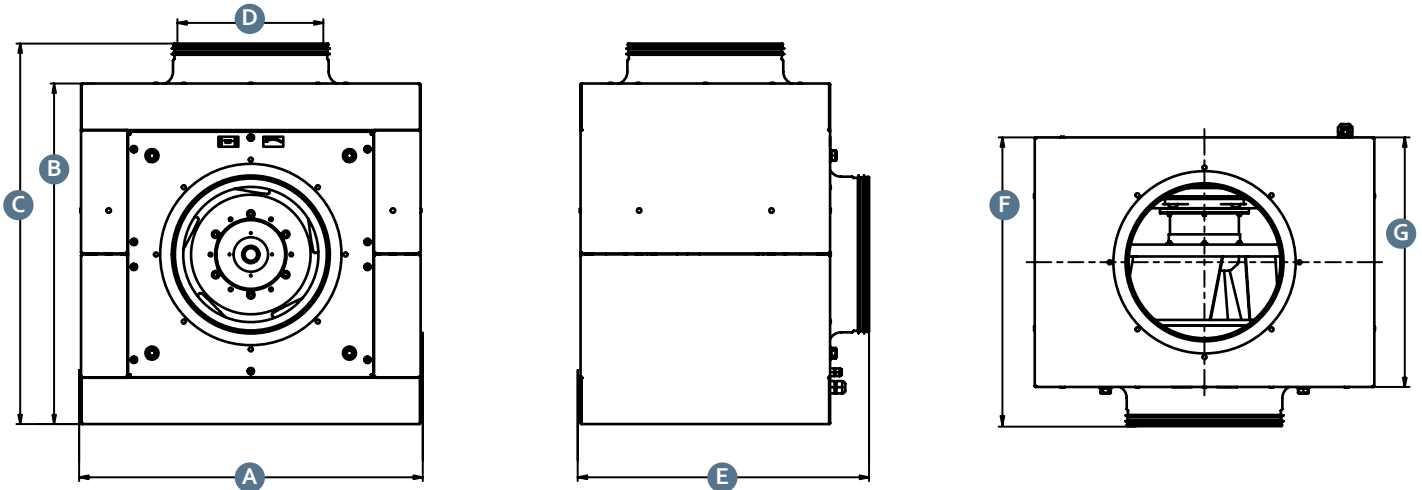
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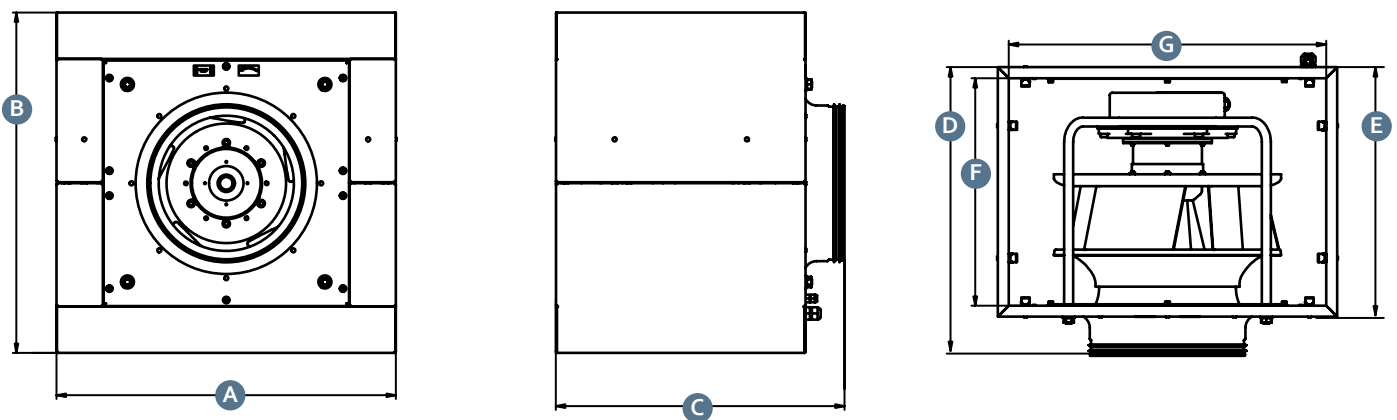
Round or square.

BoxFan is available with both round and square air outlet.



BoxFan Round

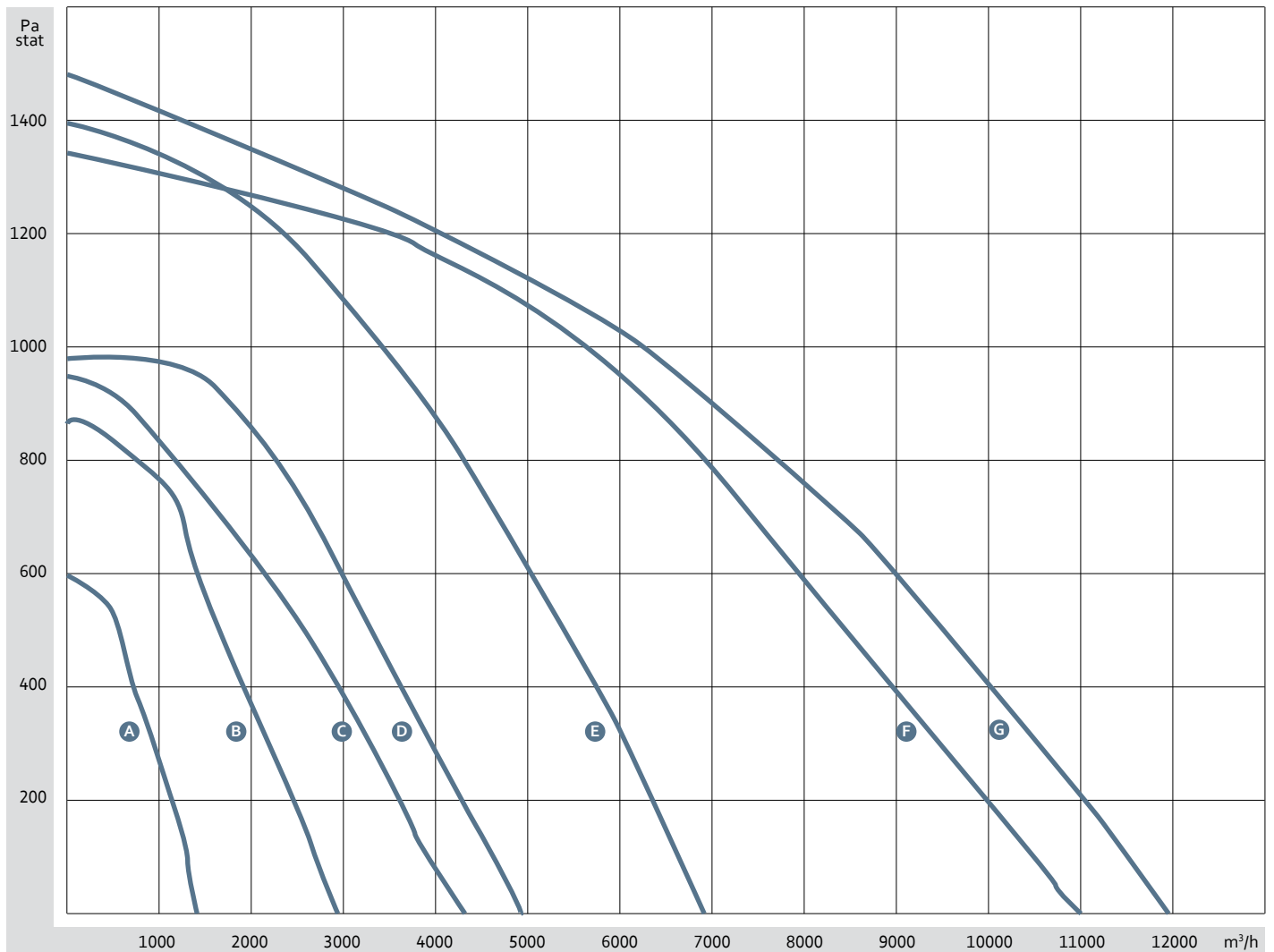
	A	B	C	D	E	F	G
	mm	mm	mm	mm	mm	mm	mm
500 R	485	485	528	250	341	341	300
700 R	680	680	762	315	555	555	500
900 R	900	900	996	400	818	818	720



BoxFan Square

	A	B	C	D	E	F	G
	mm	mm	mm	mm	mm	mm	mm
500 S	485	485	341	341	300	256	441
700 S	680	680	555	598	500	456	636
900 S	900	900	818	818	720	676	856

Round about...



Round air outlet	Max. airflow freeblowing M ³ h	Max. static pressure Pa	Max. power consumption Watt	Voltage V	Max. current A	Max. impeller speed rpm	Max. ambient temperature C	Weight Kg	Duct dimensions inlet mm	Duct dimensions outlet mm
A BF500R-250RE0707	1300	600	170	230	1,4	2510	60	16,7	Ø250	Ø250
B BF500R-280RR03H2	2800	880	500	230	2,2	2700	60	22,3	Ø250	Ø250
C BF700R-355RT01I2	4200	950	750	230	3,3	2100	60	41,4	Ø315	Ø315
D BF700R-355PJ7501	5000	1000	1100	400	1,7	2400	60	42,4	Ø315	Ø315
E BF700R-400PI9202	6800	1400	2500	400	3,8	2450	40	52	Ø315	Ø315
F BF900R-500PA2371	11000	1350	3450	400	5,3	1910	40	85,7	Ø400	Ø400
G BF900R-560PC0401	12000	1500	5000	400	7,7	1760	40	115	Ø400	Ø400

All what is *not* seen.

Energy efficient impeller

- + Aerodynamically optimized impeller
- + Integrated radial diffusor
- + Dynamic balancing of the impellers rotor-unit
- + Corrosion proof aluminum

Electronics and connection

- + Adjustable speed from 0-100%
- + Control signal 0 – 10 VDC and MODBUS-RTU
- + broad voltage area
 - 3-phase 380 – 480 V
 - 1-phase 200 – 277 V
- + 50 & 60 Hz

GreenTech EC-motor

- + Low copper- and iron loss
- + Synchronized operation minimizes slip loss
- + Use of permanent magnets minimizes magnetic losses in the rotor
- + Maintenance free bearing gives long lifespan
- + Isolated bearing system to prevent destructive bearing currents





BoxFan

- + 3 box sizes; BoxFan 500, BoxFan 700 and BoxFan 900
- + Round air outlet with ILU connection
- + Square air outlet

Up to 20.000 m³h

- + The BoxFan series consists of 7 model types with built-in EC fans
- + The smallest BoxFan 500 can provide up to 1.350m³/h
- + The biggest BoxFan 900 can provide up to 20.000m³/h

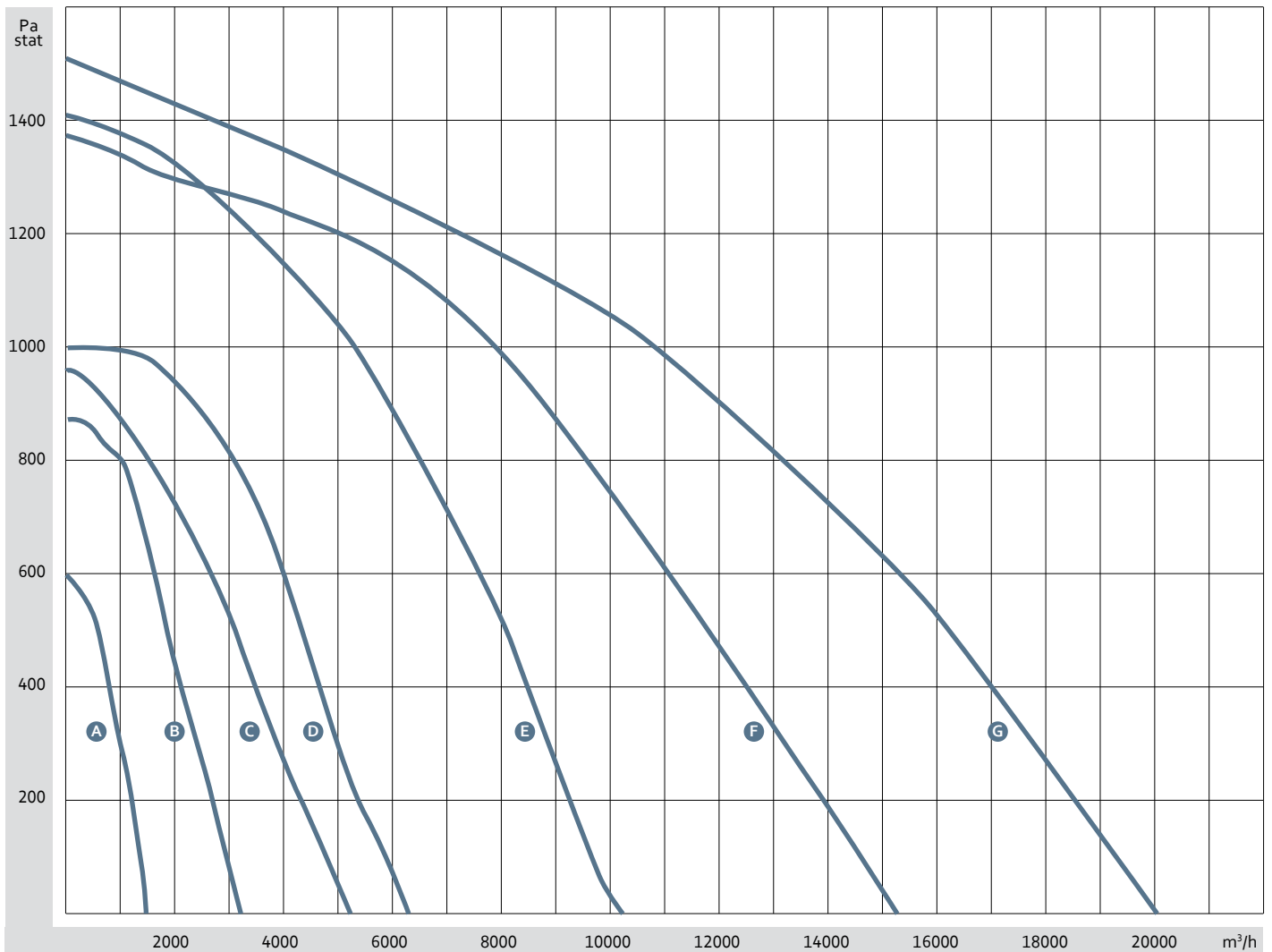
All BoxFans are split models

- + BoxFan 500 can pass through an access door of 500x500 mm
- + All parts of the BoxFan 700 can pass through an access door of 500x500 mm
- + BoxFan consists of 4 parts
- + Split models are easily taken apart and re-assembled with snap locks and screws

Box data

- + 1 mm galvanized steel as chassis
- + 3 mm galvanized steel as fan plate and inspection hatch
- + 20 mm isolation Polyethylen, PE-Foam - LD-30, Black

...and in every corner.



Square air outlet	Max. airflow freeblowing M ³ h	Max. static pressure Pa	Max. power consumption Watt	Voltage V	Max. current A	Max. impeller speed rpm	Max. ambient temperature C	Weight Kg	Duct dimensions inlet mm	Duct dimensions outlet mm
A BF500S-250RE0707	1350	600	170	230	1,4	2510	60	15,7	Ø250	441x256
B BF500S-280RR03H2	3200	880	500	230	2,2	2700	60	21,3	Ø250	441x256
C BF700S-355RT01I2	5100	950	750	230	3,3	2100	60	39,4	Ø315	636x456
D BF700S-355PJ7501	6200	1000	1100	400	1,7	2400	60	40,4	Ø315	636x456
E BF700S-400PI9202	10200	1400	2500	400	3,8	2450	40	50	Ø315	636x456
F BF900S-500PA2371	15400	1350	3450	400	5,3	1910	40	81,7	Ø400	856x676
G BF900S-560PC0401	20000	1500	5000	400	7,7	1760	40	111	Ø400	856x676

About ebm-papst.

As a technological leader in fan and motor technology, ebm-papst is used as an engineering partner in many industries. With over 15,000 different products, we provide the right solution for any challenge. Our fans are reliable, quiet and energy efficient.

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BoxFan

BoxFan is a newly developed series of box fans, with the most energy saving EC fans built in. The product series consists of 3 different cabinet sizes; BoxFan 500, BoxFan 700 and BoxFan 900, which are available with a traditional round air outlet or square air outlet.

Up to 20.000 m³h

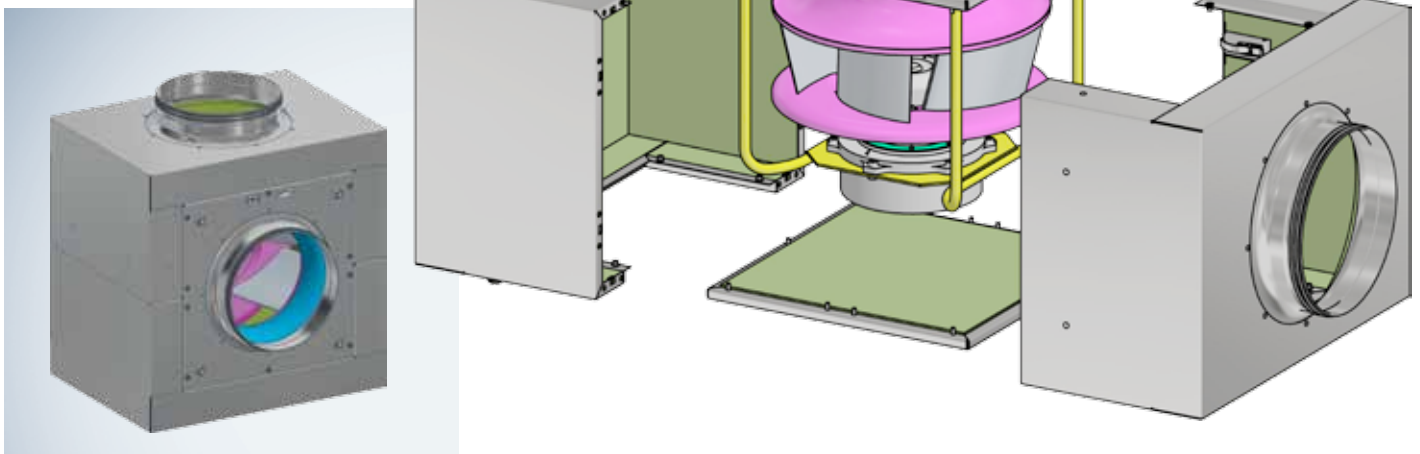
The BoxFan series consists of 7 model types, each with its own size of EC fan built-in. The smallest BoxFan with the smallest EC fan can deliver up to 1,350 m³h, and the largest BoxFan with the largest EC fan can provide up to 20,000 m³h.

All BoxFan are split models

There are many apartment and dwellings where exhaust fans for bath and kitchen have been installed in the attic of the property. The ceiling access door is, in many cases, no larger than 500x500 mm, and the small space presents challenges when the property owner wants to replace the old fans with a new and energy-saving fan. That's why BoxFan is designed as split models, so BoxFan 500 and all the parts of a BoxFan 700 can pass through a ceiling access door of 500x500 mm.

Easy to install

Whether it is multi-floor properties or other buildings, box fans are typically installed where there is small and narrow access. BoxFan consists of only 4 parts which are assembled with snap locks and screws so it is easy and quick to disassemble and re-assemble a BoxFan.



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