

CONTENT:

BESF250 box fan



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Technical data

BESF250-4-1EC

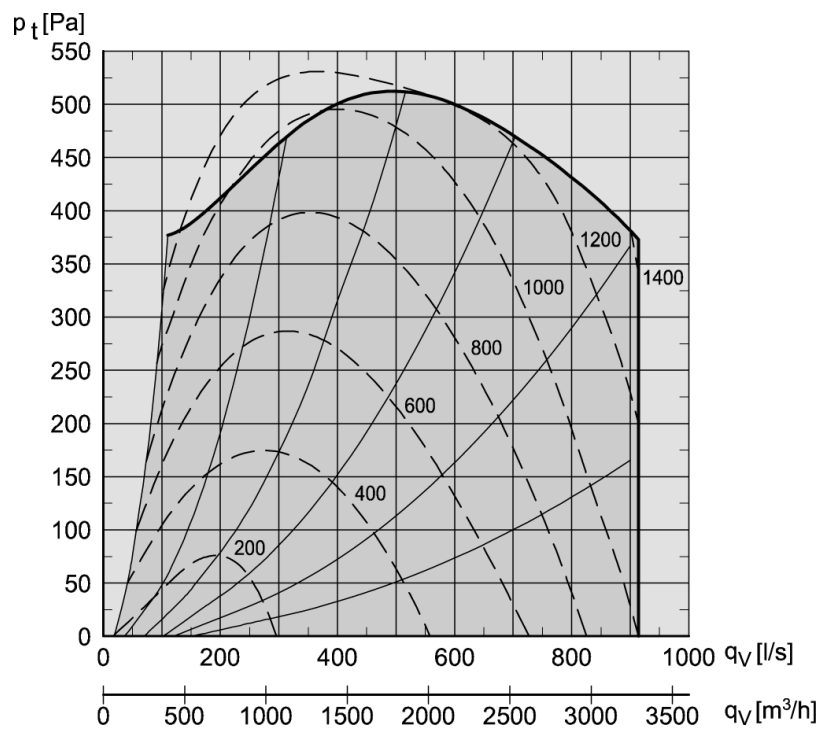
MODEL	BESF250-4-1EC
Fan data	
Max. overall efficiency	53,5 %
ECO measurement set-up (A-D)	D
Efficiency requirements	49, N(2015)
ECO efficiency at optimal operating point	66,9
Motor	
Motor	EC motor with integral VSD
<u>Optimal operating point:</u>	
Absorbed power	357 W
Airflow	1390 m ³ /h
Total pressure	495 Pa
Rpm	1433 rpm
Nominal rpm (N)	1420 rpm
Electric supply (U)	1 x 230 V~ 50 Hz
Overload protection	Integrated in motor control
Max absorbed current* (I)	8.5 A
Max. absorbed power (P ₁)**	1.32 kW
Motor output (P ₂)**	1.10 kW
Other data	
Weight	32 kg

CONDITIONS:

- * I is the maximum absorbed current throughout the control range - or the full load current if this is larger
- ** P_1 is the maximum absorbed power from the mains supply, where P_2 is the motor's nominal output.
- Stated data for $t = 20^{\circ}\text{C}$
- Density = 1.2 /m^3
- Values are based on the use of a transition piece equivalent to OGSR
- Gas temperature: min. -12°C , max. $+60^{\circ}\text{C}$
- Ambient temperature: Max. $+40^{\circ}\text{C}$
- Pressure ratio: $< 1,11$
- other points in acc. with EC327/2011 - see product instructions

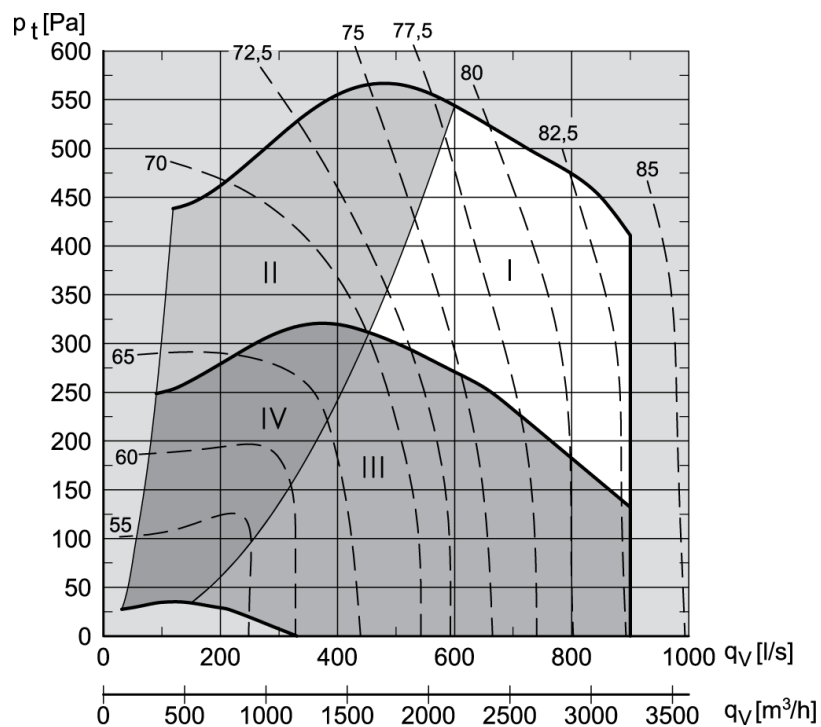
Capacity diagram

Capacity diagram, BESF250-4-1EC



Sound data

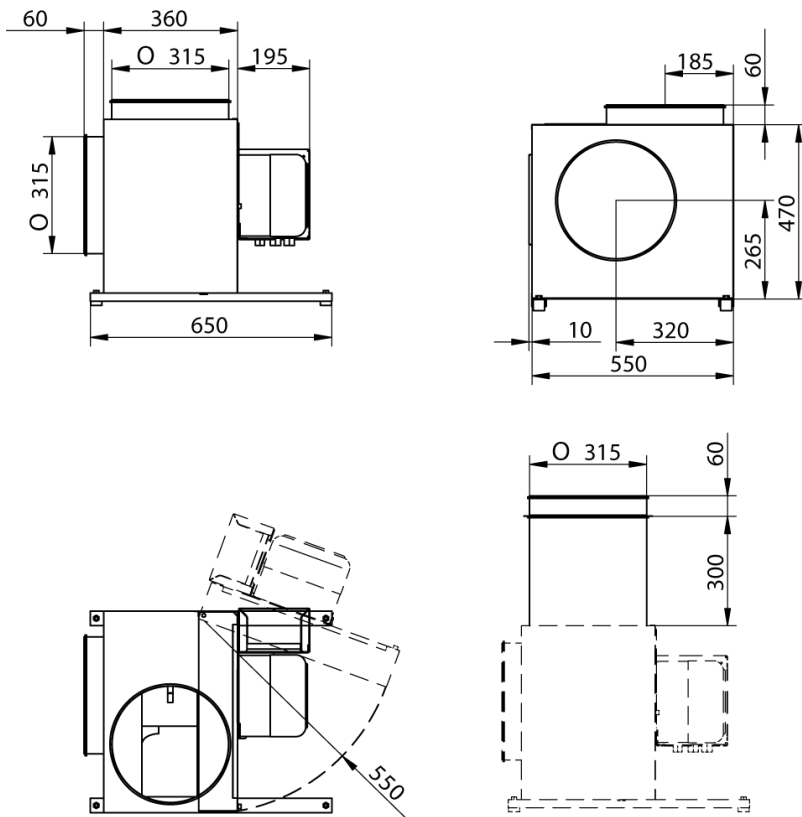
Sound data, BESF250



	K _w [dB]									K[dB(A)]	
	I-IV	63	125	250	500	1 k	2 k	4 k	8 k	K _{WA}	K _{pA}
L _{w1}	I	7	6	-1	-8	-5	-8	-10	-12		
	II	14	9	2	-7	-6	-11	-13	-17		
	III	11	7	1	-6	-5	-10	-12	-15		
	IV	16	10	3	-5	-8	-12	-14	-22		
L _{w2}	I	6	7	2	-2	-1	-4	-9	-13	3	
	II	14	9	3	-4	-2	-8	-12	-17	2	
	III	7	7	2	-2	-2	-8	-11	-16	2	
	IV	18	10	2	-2	-5	-9	-13	-22	1	
L _{w3}	I	-17	-15	-22	-28	-21	-34	-35	-42	-20	-34
	II	-12	-12	-18	-24	-18	-27	-31	-37	-16	-30
	III	-13	-17	-13	-23	-30	-32	-35	-41	-19	-33
	IV	-8	-14	-13	-18	-24	-24	-28	-31	-15	-29

Dimensional drawing

BESF250



EXHAUSTO

Your ventilation expert and professional business partner

At EXHAUSTO we never compromise on quality, and since we are experts in ventilation with many years of specialised experience, you can be assured of not just the best ventilation solution but also a competent business partner.

EXHAUSTO develops and manufactures high-quality products and systems for comfort ventilation in all areas of use – from offices, shops, schools and institutions to industrial buildings, hotels and hospitals. With a focus on high efficiency ratings and an energy consumption which sets new industry standards, EXHAUSTO is one of the absolute leaders of the field.



LIVING RESIDENTIAL VENTILATION

Our homes are becoming steadily more airtight. This is a result of striving to bring down energy consumption. But what is good for energy consumption may be bad for indoor climate. Airtight construction makes it hard to evacuate humidity, and humidity provides good growth conditions for mould. Mould not only damages the actual building, but also leads to an unhealthy indoor climate which affects our health and well-being.



WORKING OFFICE VENTILATION

Did you know that studies have shown that a poor indoor climate can affect your employees' productivity by as much as 15%? And that the number of errors made goes up as temperatures rise above 20-22°C or CO₂ levels top 1000 ppm?



LEARNING SCHOOL VENTILATION

In less than an hour, schoolchildren hit the CO₂ wall. They become tired, get head-aches and lack concentration. A poor indoor climate impairs the teacher's working conditions and drastically reduces pupils' ability to learn.

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