Energy-saving axial fans - unit cooler

A solution specifically designed for unit cooler applications.

ebmpapst

The engineer's choice

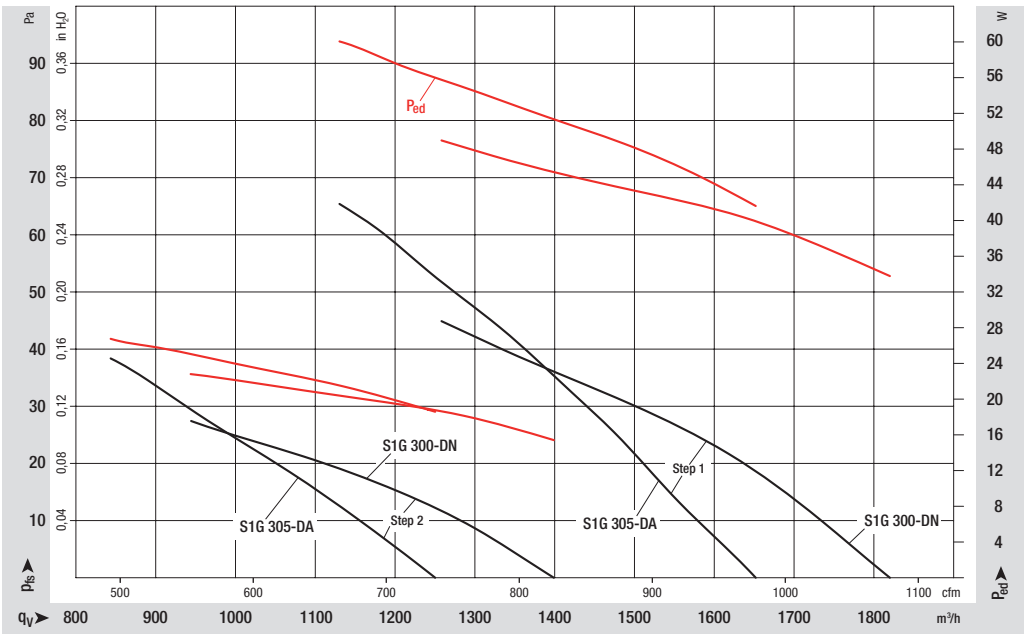
New series designed for unit cooler applications

Uses 30% less power than typical unit cooler fans with PSC-motor:
Introducing a new concept for unit cooler fans! A solution specifically designed for unit cooler applications. Equipped with a very efficient electronically commutated, permanent magnet motor. Motor, blade, power cable and three mounting position options are integrated in a single part number.

Standard Features:

- Same performance operating on 50 or 60 Hz.
- Efficient, small frame EC external rotor-motor reduces power and mounting depth.
- Direction of air flow "A"
- 2 speed version
- Mounting depth only 68 mm.
- Integrated assembly reduces purchasing and manufacturing logistics.
- Multi-mount design provides three bolt-circles for choice of mounting 305/300 mm diameter composite, aerodynamic blade is installed and balanced.
- Grounding protection class II - no ground wire needed.
- Easy connection with supply cable.
- Protection class IP 54.
- Allows use of existing guard.

Curves:



Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and without protection against accidental contact.

Suction-side noise levels: L_{WA} as per ISO 13347, LpA measured at 1 m distance to fan axis.

The acoustic values given are only valid under the measurment conditions listed and may vary depending on the installation situation.

With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!

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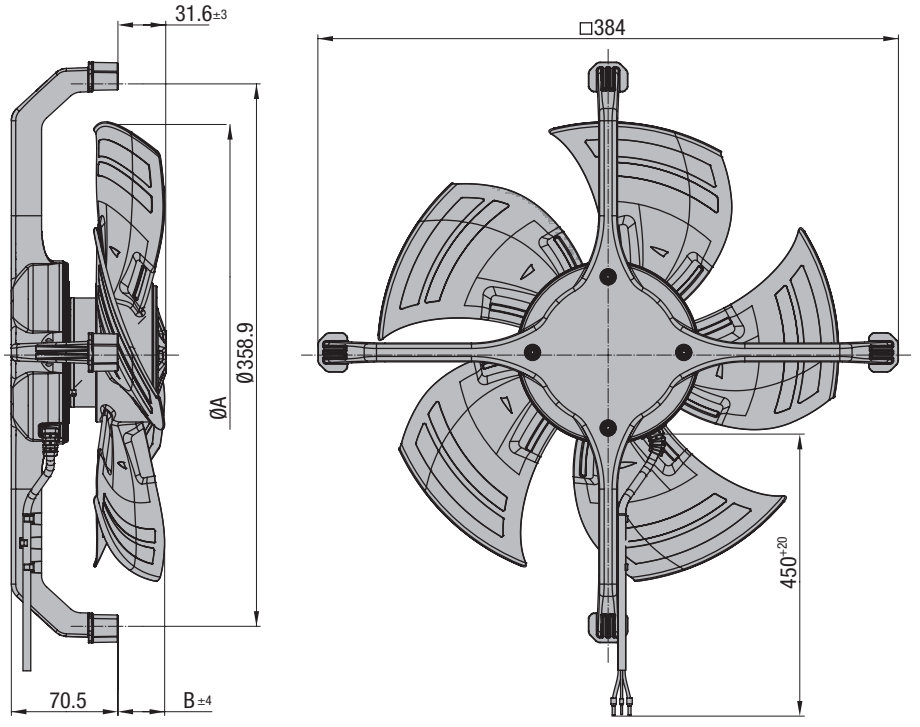
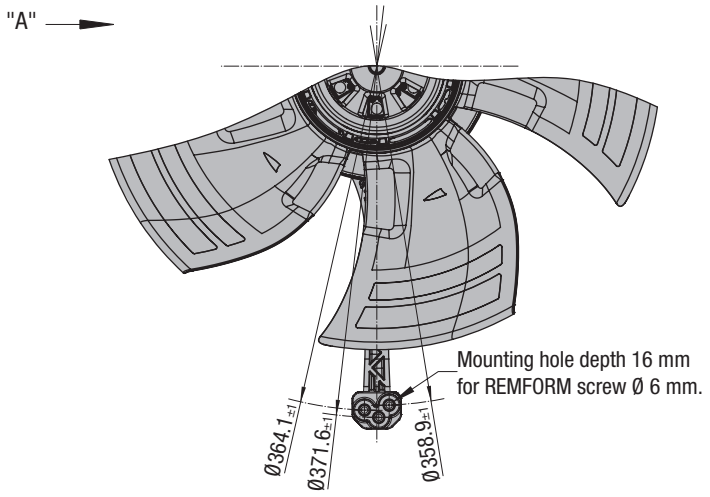
Dimensions / Performance

Nominal data		Step	Nominal voltage range	Frequency	Speed/rpm[1]	Max. input power[1]	Max. current draw[1]	Max. back pressure	Perm. amb. temp.	Mass	Dimensions	
Type	**Motor**		**VAC**	**Hz**	**rpm**	**W**	**A**	**Pa**	**°C**	**kg**	**A**	**B**
S1G 300-DN01-02[2]	M1G 055-DF	1	1~200-240	50/60	1300	50	0,45	45	-40..+40	1,62	300	39,6
S1G 305-DA01-02	M1G 055-DF	1	1~200-240	50/60	1600	60	0,52	65	-40..+40	1,62	305	30,9

subject to alterations

(1) Nominal data in operating point with maximum load and 230 VAC. (2) Also available in direction of air flow "V"





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