

High flow rate with minimum installation space:

The AxiTwin 100 – *with counter-rotating impellers in one compact fan.*



Particularly in **IT, telecommunications, network technology, and renewable energy**, highly integrated electronics require cooling air that safely reaches all components to be cooled inside. In some cases, conventional single fans are too weak, but the installation space for several fans is too small.

With the **AxiTwin100**, two individual fans connected with an innovative flange work together by **rotating in opposite directions**. This enables the rear fan to convert the residual swirl from the front fan into air flow particularly efficiently which increases efficiency compared to individual solutions. As a result, the solution offers a **high level of efficiency with minimum space requirements**.

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Technical data

Technology:

- + Completely new design
- + Counterwise rotating impellers
- + 2 independent drives (redundancy)

Material:

- + Housing: Fiberglass-reinforced composite material (PBT)
- + Impeller: Fiberglass-reinforced composite material (PA)
- + Center flange: Die-cast aluminum

Weight:

- + 600g

Approvals:

- + VDE, UL/CSA, CE, CCC

Options:

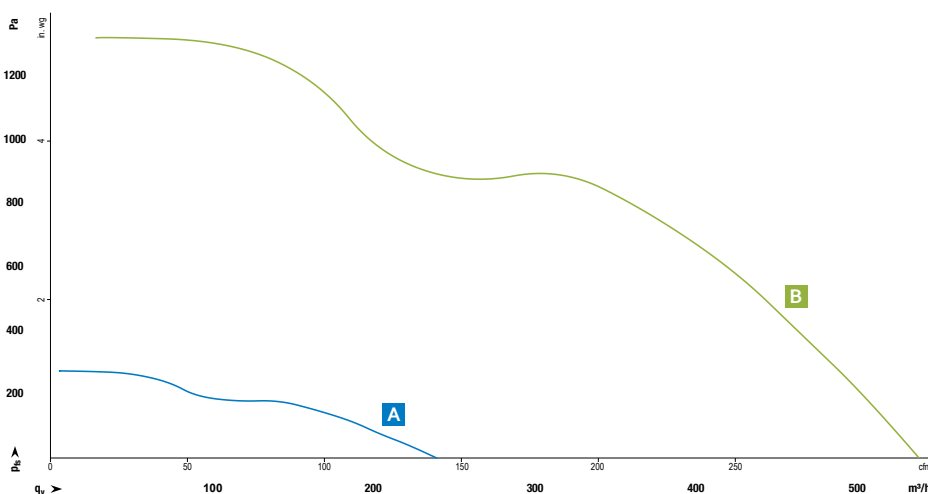
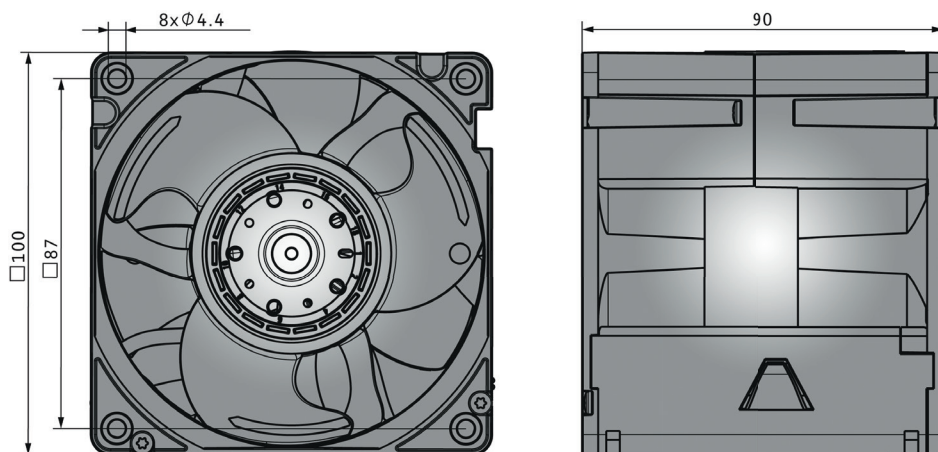
- + PWM speed control
- + Analogue speed control
- + Speed signal
- + Alarm signal

CONTACT:

Magnus Schätzle

+49 7724 811829

Magnus.Schaetzle@de.ebmpapst.com



Nominal data

		Air flow*	Air flow*	Nominal voltage	Voltage range	Sound power level	Sound pressure*	Sinter sleeve bearings Ball bearings	Power consumption	Max. power consumption	Nominal Speed stage 1*	Nominal Speed stage 2*	Temperature range	Weight	Service life L10 (40°C) acc. IPC 9591
Type		m³/h	cfm	VDC ⁻¹	VDC	Bel (A)	db (A)	■ / ■	Watt	Watt	rpm ⁻¹	rpm ⁻¹	°C	g	Hours
VWJK100TKGRS				48	36...+60								-20...+70	600	
A	40% speed	240	141			7.1	65		22	45	5,000	4,000			142,500
B	100% speed	536	315			9.0	82	■	127	220	11,000	9,000			117,500

Subject to change * At free air flow