

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 industrial applications, highly integrated electronics require cooling that safely reaches all of the components. In some cases, conventional single-stage fans are too weak, but the installation space doesn't allow for multiple fans.

With the AxiTwin 100, two individual fans connected with an innovative flange work together by rotating in opposite/counter-rotating directions. This enables the downstream fan to convert residual swirl from the upstream fan into airflow which increases efficiency compared to individual solutions. As a result, AxiTwin delivers maximum performance 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:

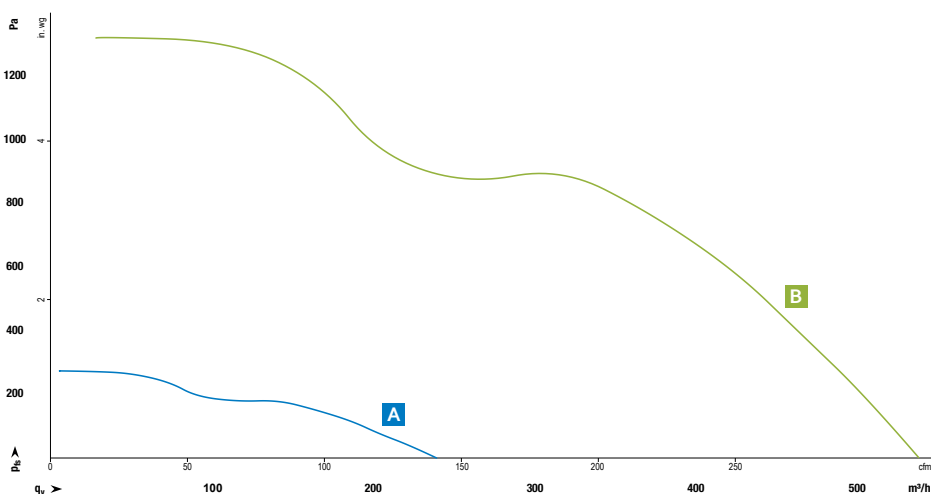
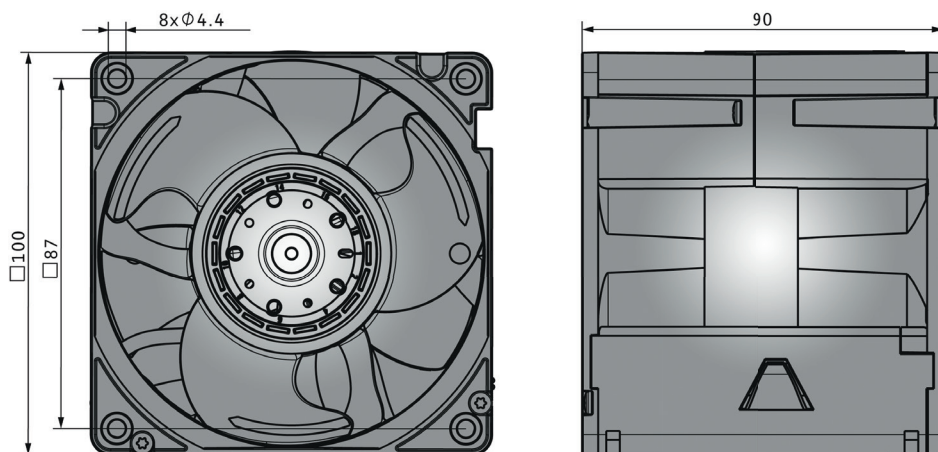
- + 600g

## Approvals:

- + VDE, UL/CSA, CE, CCC

## Options:

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



## 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 <sup>-1</sup>	VDC	Bel (A)	db (A)	■ / ■	Watt	Watt	rpm <sup>-1</sup>	rpm <sup>-1</sup>	°C	g	Hours
<b>VWJK100TKGRS</b>			48	36...+60								-20...+70	600	
<b>A</b> 40% speed	240	141			7.1	65		22	45	5,000	4,000			142,500
<b>B</b> 100% speed	536	315			9.0	82	■	127	220	11,000	9,000			117,500

Subject to change \* At free air flow