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**

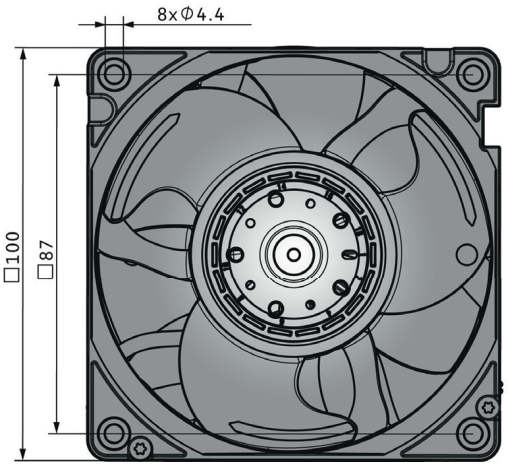
Technology:
+ Completely new design
+ Counterwise rotating impellers
+ 2 independent drives (redundancy)

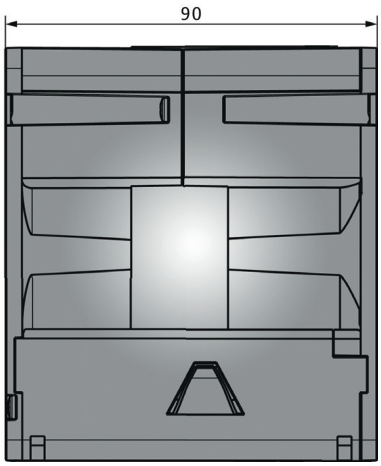
Material:
+ Housing: Fiberglass-reinforced composite material (PBT)
+ Impeller: Fiberglass-reinforced composite material (PA)
+ Center flange: Die-cast aluminum

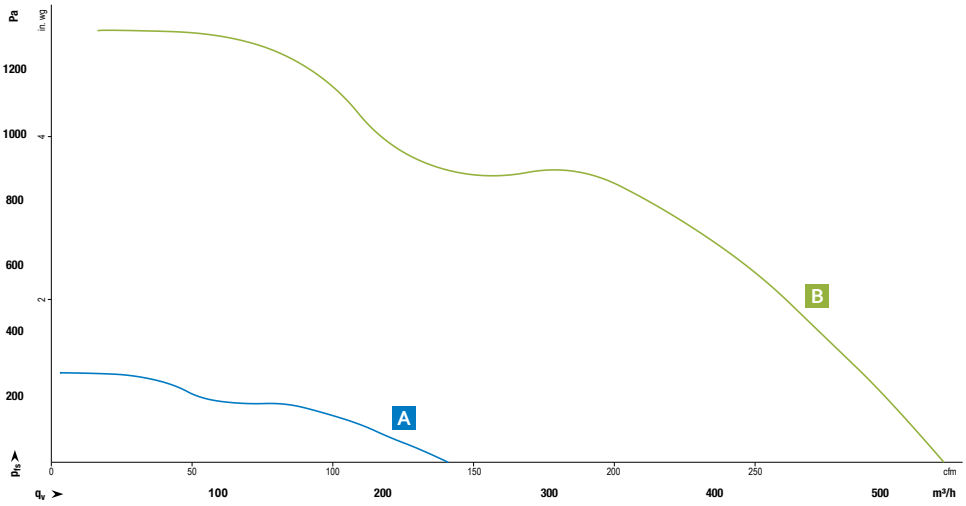
Weight:
+ 600g

Approvals:
+ VDE, UL/CSA, CE, CCC

Options:
+ PWM speed control
+ Analogue speed control
+ Speed signal
+ Alarm signal







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Nominal data

	Type	Air flow* m³/h	Air flow* cfm	Nominal voltage VDC⁻¹	Voltage range VDC	Sound power level Bel (A)	Sound pressure* db (A)	Sintec sleeve bearings / Ball bearings	Power consumption Watt	Max. power consumption Watt	Nominal Speed stage 1* rpm⁻¹	Nominal Speed stage 2* rpm⁻¹	Temperature range °C	Weight g	Service life L10 (40°C) acc. IPC 9591 Hours
	VWE0100TUGCS			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