



Strong cooling power under all conditions.

# The new AxiForce 40:

*Forty millimeters of maximum performance.*

Our new AxiForce 40 sets a new standard in electronic cooling, combining high performance and reliability with extremely compact dimensions of only 40 × 40 × 28 mm.

**Powerful, quiet, durable — even in outdoor applications.**

The AxiForce 40 combines a newly developed motor, modern electronics, and innovative flow geometry to create a highly efficient and quiet compact fan. Its robust design makes it the ideal choice for use in tough environmental conditions. For additional safety, we also offer the AxiForce 40 with protection up to IP68, ATEX certification (EN 60079-7, Group IIC, T3), and salt spray resistance.

Electronics are becoming more powerful and compact.

The AxiForce 40 delivers outstanding cooling performance in the smallest of spaces. This makes it the ideal solution for a wide range of indoor and outdoor applications, including:

- + Network equipment and communication technology
- + Server cooling
- + Applications in the renewable energy sector such as inverters, charging stations, battery storage systems, and others
- + Industrial automation and control systems
- + Robotics

**ebmpapst**

engineering a better life

# Great things come in small packages.

**Features:**

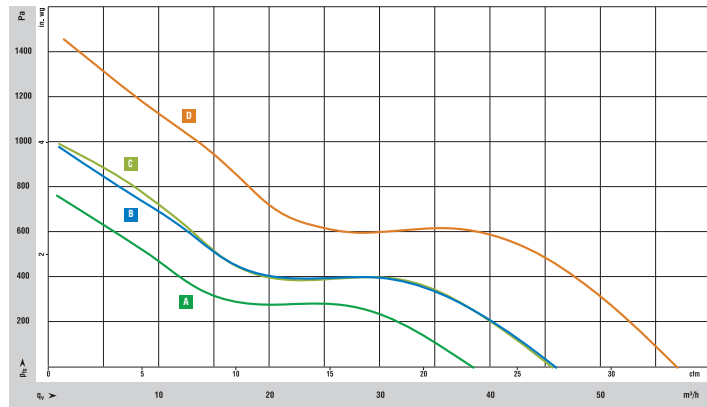
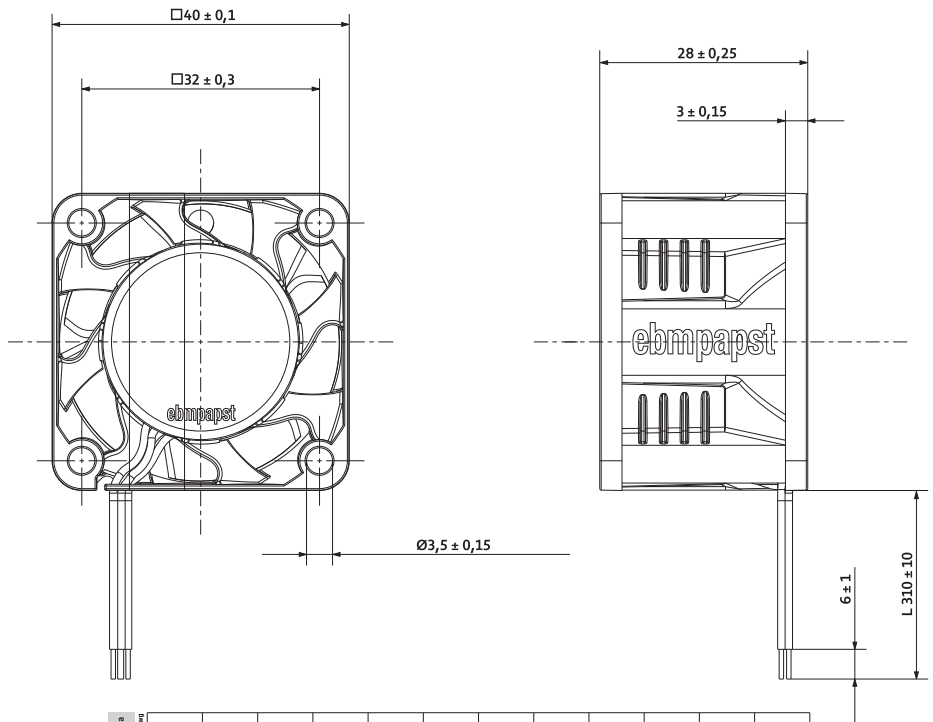
- + Newly developed flow geometry
- + Motor concept with optimized noise levels and efficiency
- + Power electronics with optimized efficiency
- + Airflow direction blowing over struts
- + Direction of rotation: counterclockwise, facing the rotor
- + Housing material: plastic (PBT)
- + Impeller material: plastic (PA)
- + Tach output
- + PWM control input (3,000-27,000 rpm range)

**Optional:**

- + Go-/No-go alarm
- + Analog control input
- + Salt spray resistance
- + Protection up to IP68 (at reduced speed)
- + ATEX-certified - EN 60079-7, Group IIC, T3 (in conjunction with IP68)

**Approvals provided:**

- + DIN EN 62368
- + UL507
- + CSA22.2 no. 113
- + EAC
- + CE
- + UKCA



| Type         | Material no. | Air flow |     | Nominal voltage | Sound pressure | Power consumption (free air flow) | Max. power consumption | Speed  | Temperature range | IP rating | Service life L10 (40°C) ebm-papst standard |
|--------------|--------------|----------|-----|-----------------|----------------|-----------------------------------|------------------------|--------|-------------------|-----------|--|
|              |              | m³/h     | cfm |                 |                |                                   |                        |        |                   |           |  |
| VWCE040KHDFS | 8300100865   | 46       | 27  | 12VDC           | 61             | 11                                | 15                     | 22.000 | -20...+70         | IP20      | 70.000                                     |
| VWCE040KJDFS | 8300100868   | 46       | 27  | 24VDC           | 61             | 11                                | 15                     | 22.000 | -20...+70         | IP20      | 70.000                                     |
| VWCE040KHDGS | 8300100443   | 56       | 33  | 12VDC           | 65             | 17                                | 24                     | 27.000 | -20...+70         | IP20      | 70.000                                     |
| VWCE040KJDGS | 8300100674   | 56       | 33  | 24VDC           | 65             | 17                                | 22                     | 27.000 | -20...+70         | IP20      | 70.000                                     |
| VWCE040KKDGS | 8300100673   | 56       | 33  | 48VDC           | 65             | 17                                | 22                     | 27.000 | -20...+70         | IP20      | 70.000                                     |
| VWCE040KHDES | 8300101142   | 38       | 22  | 12VDC           | 59             | 7,5                               | 10,5                   | 19.000 | -40...+70         | IP68      | 65.000                                     |
| VWCE040KJDES | 8300101141   | 38       | 22  | 24VDC           | 59             | 7,5                               | 10,5                   | 19.000 | -40...+70         | IP68      | 65.000                                     |
| VWCE040KHDFS | 8300100680   | 45       | 27  | 12VDC           | 62             | 12                                | 15                     | 22.500 | -20...+70         | IP68      | 70.000                                     |
| VWCE040KJDFS | 8300100679   | 45       | 27  | 24VDC           | 62             | 11                                | 14                     | 22.500 | -20...+70         | IP68      | 70.000                                     |
| VWCE040KKDFS | 8300100678   | 45       | 27  | 48VDC           | 62             | 11                                | 14                     | 22.500 | -20...+70         | IP68      | 70.000                                     |