

# Fan 80x80x38mm, 12V DC, IP20, DBTB0838B2S

Reference: AM0416  
EAN13: -  
HS code: 84145925



## Product attributes:

## Product features:

Current: 2,1 A  
Voltage: 12 V DC  
Size: 80x80 mm  
Power consumption: 25,2 W  
Waterproof grade: IP20  
Lifetime: 70,000 hours  
Bearings: Balls

## Product description:

DBTB0838B2S is a powerful axial fan of 80 × 80 × 38 mm format designed for cooling devices with higher thermal load, where high airflow is required and at the same time the possibility of speed control using a PWM signal. It is typically used in server cabinets, industrial distribution boards, network elements and for blowing dense passives, where higher static pressure is also important.

## Technical specifications

- Model: DBTB0838B2S
- Dimensions: 80 × 80 × 38 mm
- Power supply: 12V DC
- Speed control: 4-wire PWM (4-pin)
- Rated current: 2.10 A
- Power consumption: 25.2 W
- Speed: 1000–8000 rpm (±10%)
- Airflow: 114,012 CFM
- Static pressure: 402 Pa
- Noise level: 61 dBA
- Bearings: dual ball bearing
- Lifespan: up to 40,000 hours (according to manufacturer's specifications)
- Operating temperature: -10°C to +70°C

## Functions and features

- High speed and static pressure for applications with higher flow resistance (dense passives, filters, perforations, shafts)
- PWM control allows power control based on temperature or system requirements
- A 4-wire connection typically includes power, ground, tach output, and PWM input
- Ball bearings for long-term operation and higher durability in industrial conditions

## Ideal for

- Server cabinets, rack systems and data centers
- Industrial switchboards and control panels
- Cooling of network elements (switches, routers) and computing nodes
- Blowing coolers, passives and power modules with higher thermal output

## Package contents

- Fan DBTB0838B2S

## Why choose this product?

- Compact industrial format 80 × 80 × 38 mm with high performance
- PWM speed control for integration into temperature-controlled systems
- Suitable parameters for applications requiring higher static pressure
- Ball bearing design for long-term operation

## Installation and operating instructions

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- When installing, observe the direction of air flow according to the arrow on the fan frame.
- Provide an appropriate 12 V DC power supply with sufficient current reserve
- For PWM control, use a compatible control signal according to the 4-wire fan standard
- In applications with higher contamination, we recommend using a filter and regular maintenance to maintain flow.

## Safety notice

- The fan is a rotating device: do not interfere with the blades during operation and provide mechanical protection in the available installations
- Before connecting, disconnect the power supply and verify the correct polarity of the 12 V DC
- Observe operating temperature conditions and ensure sufficient cooling of surrounding components

