

OTTO Series



IP68 Waterproof & Dust-Tight Cooling Fans

Rated for sustained submersion. Built for industrial use.

OTTO SC12

Pressure-Optimised 120mm PWM Cooling Fan

- Sickle-flow blade design for focused, high-static pressure airflow
- Optimised for heatsink fins and liquid radiator cores
- Available in grey or black

Max Airflow	95.68 CFM
Max Static Pressure	3.84 mm-H2O
Sound Level	7.1 - 30.2 dB(A)

Product Code: AK-FN109 / AK-FN109-BK

OTTO SF12

Airflow-Optimised 120mm PWM Cooling Fan

- S-FLOW blade design for maximised airflow for case cooling (intake and exhaust operation)
- Up to 30% more airflow than standard blade designs
- Available in grey

Max Airflow	97.02 CFM
Max Static Pressure	3.59 mm-H2O
Sound Level	7.1 - 31.7 dB(A)

Product Code: AK-FN110



Three-Phase Motor
4 poles, 6 slots for smoother torque and lower vibration than single-phase designs



Intelligent PWM Control
Full 0–2000 RPM speed range via 4-pin PWM connector



Rubber Mounting Pins
Vibration-damping, tool-free installation included as standard



Patented Anti-Vibration Frame
Spring-like blade isolation



Detachable Frame
Tool-free field cleaning without removing the entire unit



Automotive-Derived Engineering
Structure design developed from the automotive industry for real-world durability



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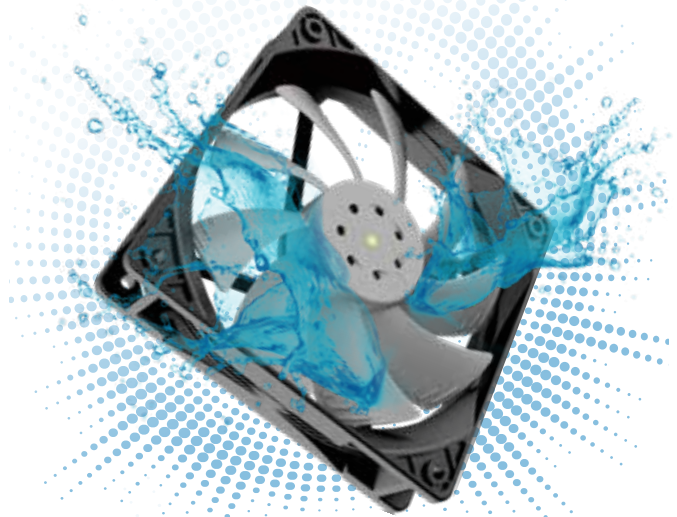
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Pressure Optimised

Grey

Black

Applications: Tower heatsinks | AIO radiators | Industrial heat exchangers



Airflow Optimised

Grey

Applications: Industrial enclosures | Outdoor cabinets | Sealed chassis