



## NOCTUA NF-F12 industrialPPC-24V-3000 SP IP67 PWM

120x120x25mm Fan

**industrialPPC**  
by NOCTUA

Conceived for industrial heavy-duty applications that require enhanced cooling performance and advanced ingress protection, the NF-F12 industrialPPC (Protected Performance Cooling) is a ruggedised high-speed version of the award-winning retail model. The 24V SP variant uses Noctua's new NE-FD5 high-efficiency single-phase motor driver IC in order to support 24V-based industrial and automotive applications. Its sophisticated inrush current suppression and extreme electrical robustness with extended burst and surge immunity allow it to operate safely in sensitive or hostile electronic environments. Thanks to the outstanding aerodynamic efficiency of the NF-F12 design and the high-performance single-phase motor, the industrialPPC SP version provides superior airflow and pressure capacity while keeping noise and power consumption at a moderate level as against comparable high-speed fans. While its fibre-glass reinforced polyamide construction and certified water and dust protection make the NF-F12 industrialPPC suitable for operation in challenging surroundings, the renowned SSO2 bearing technology guarantees an MTTF of over 150,000hrs. Topped off with Noctua's trusted reliability and 6-year manufacturer's warranty, the NF-F12 industrialPPC is an ideal choice for highly demanding applications that require superior flow rates and ultimate dependability.

Size	120x120x25 mm
Bearing	SSO2
Blade geometry	Heptaperf™
Frame technology	Focused Flow™
IP rating / connector	67 / 4-pin PWM
Input power / voltage	4.32 W / 24 V
MTTF	> 150,000 h

Max. rotational speed 12V (+/-10%)	1600 RPM
Max. rotational speed 24V (+/-10%)	3000 RPM
Max. airflow	186.7 m³/h
Max. acoustical noise	43.5 dB(A)
Max. static pressure	7.63 mmH <sub>2</sub> O

Product Name  
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IP67 PWM

EAN  
9010018100587

UPC  
841501110580

Packaging dimensions (HxWxD)  
180x170x34 mm

Weight incl. packaging  
270 g

Warranty  
6 years

Packaging unit  
20 pcs

Packaging dimensions / unit (HxWxD)  
380x360x200 mm

Weight incl. packaging / unit  
6.30 kg

Scope of delivery  
Fan, 4 fan screws

