NOCTUA NF-F12 industrialPPC-24V-2000 Q100 IP67 PWM
120x120x25mm Fan

industrialPPC

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 Q100 variant uses Noctua's AEC-Q100 qualified wide input range NE-FD4 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 use of a novel three-phase motor, the industrialPPC 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	1.68 W / 24 V
MTTF	> 150,000 h

Max. rotational speed 12V (+/–10%)	1050 RPM
Max. rotational speed 24V (+/–10%)	2000 RPM
Max. airflow	121.8 m³/h
Max. acoustical noise	29.7 dB(A)
Max. static pressure	3.94 mmH$_2$0

Product name
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EAN
9010018100181

UPC
841501110184

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

in mm