

NF-B9 PWM

Noctua NF-B9 PWM Premium Fan



The classic NF-B9 92mm fan helped to found Noctua's reputation as a top-tier manufacturer of premium quality quiet cooling components and still impresses users with its exquisite quietness and superb performance. The new PWM version features Noctua's novel, custom designed PWM IC for fully automatic control and ultra-low power consumption. Equipped with Noctua's signature SSO bearing and topped off with a 6 years manufacturer's warranty, the NF-B9 PWM is a proven premium choice for the highest demands.

Proven NF-B9 Design

Tens of thousands of quiet cooling enthusiasts swear by Noctua's classic NF-B9. Its impressive quietness, excellent performance and impeccable, time-tested quality made the B9 a default choice for 92mm quiet cooling.

Bevelled Blade Tips

Reducing critical rotor stator interaction, the NF-B9's Bevelled Blade Tips permit to combine a higher blade surface area with quieter operation and thus form a cornerstone of the fan's outstanding efficiency.

Vortex-Control Notches

Noctua's signature Vortex-Control Notches split up trailing edge vortices and thus spread the fan's noise emission over a wider range of frequencies. This measure makes the NF-B9 PWM sound more pleasant to the human ear.

Custom designed PWM IC with SCD

Supporting fully automatic PWM speed control, the NF-B9 PWM uses Noctua's novel, custom designed NE-FD1 PWM IC that integrates Smooth Commutation Drive (SCD) technology. By providing smoother torque impulses, SCD suppresses PWM switching noises and thus makes the fan quieter at lower speeds.

Low-Noise Adaptor

The NF-B9 PWM is supplied with a Low-Noise Adaptor (L.N.A.) that reduces the maximum fan speed from 1600 to 1300rpm. The L.N.A can be used either to run the fan at a fixed speed of 1300rpm or to cap the maximum speed when using automatic PWM control.

Extensive Cabling Options

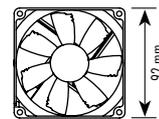
The fan's short 20cm primary cable minimises cable clutter in typical applications while the supplied 30cm extension provides extended reach when necessary. Both cables are fully sleeved and a 4-pin y-cable allows to connect a second NF-B9 fan to the same PWM fan header for automatic control.

SSO-Bearing

Combining the proven concept of hydrodynamic bearing with an additional magnet that supports the self-stabilisation of the rotor axis, Noctua's time-tested SSO-Bearing technology has become synonymous with supremely quiet operation and exceptional long-term stability.

6 years manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-B9 PWM features an MTBF rating of more than 150.000 hours and comes with a full 6 years manufacturer's warranty.



SPECIFICATIONS

Size	92 x 92 x 25 mm	
Bearing	SSO-Bearing	
Blade Geometry	NF-B9 Blade Design	
Max. Input Power	0.96 W / 0.08 A	
Voltage	12 V	
MTBF	> 150.000 h	

NF-B9 PWM	w/o adaptors	with L.N.A.
Max. Rotational Speed	1600 RPM	1300 RPM
Max. Airflow	64.3 m ³ /h	52.6 m ³ /h
Max. Acoustical Noise	17.6 dB(A)	13.1 dB(A)
Max. Static Pressure	1.61 mmH ₂ O	1.09 mmH ₂ O

LOGISTICAL DATAS

Product Labeling	Noctua NF-B9 PWM
EAN-No.	471612331473-8
UPC-No.	84243101408-5
Dimensions (HxWxD)	210 x 150 x 34 mm
Weight	250 gr
Warranty	6 Years
MSPR	16.90 EUR
Packaging Unit	40 Pcs.
Dimensions / Unit (HxWxD)	39 x 38 x 36 mm
Weight / Unit	10.52 kg

SCOPE OF DELIVERY

NF-B9 PWM 92mm Premium Fan
Low-Noise Adaptor (L.N.A.)
4-Pin Y-Cable
30cm Extension Cable
4 Vibration-Compensators
4 Fan Screws