

Dynamic X2 PWM

Aerodynamic technology. Cool design.

The Fractal Design Dynamic X2 series are true all-purpose fans, offering excellent airflow and outstanding 100,000-hour life expectancy thanks to the new LLS (Long Life Sleeve) bearing.

Added PWM support offers precise fan control via a wide speed adjustment range allowing users to select their ideal mix of silent operation and maximum airflow.

The customized design of the Dynamic X2 results in a beautiful fan that helps to keep your system cool, yet quiet. Designed together with Fractal Design's high-end Venturi Series, the Dynamic X2 incorporates aerodynamic elements of airplane wing designs for significant noise reduction.

Available in multiple colors including black, white, and the classic Fractal Design white-on-black combination, the Dynamic X2 series are the perfect choice for those seeking an expertly balanced fan with exceptional dependability.





P r o d u c t S h e e t

Key features

- High-grade LLS bearing with 100,000-hour MTBF delivers long-lasting dependability
- PWM support offers a wide speed adjustment range for silent operation under lighter loads and maximum airflow during more demanding activity
- PWM support offers a wide speed adjustment range for silent operation under lighter loads and maximum airflow during more demanding activity (140 mm versions)
- Counter-balanced magnet reduces axial tension on the bearing, resulting in less wear over time
- Optimized fan geometry balances airflow with extra emphasis on static pressure for great performance in any usage scenario
- Aerodynamic stator with embedded wiring helps reduce noise and unwanted turbulence
- Stator struts sit on a wide angle to the trailing edge of the blades, resulting in a lower noise level and smoother noise profile
- Strategically placed notches near the fan hub on the trailing edge of the blades help to eliminate the humming noise produced when the blades pass stator struts
- “Trip wire” technology introduces a micro-turbulent layer that helps to combat elements that negatively affect performance, providing an overall more efficient and quiet fan environment
- Customized design contributes to a cool running and beautiful looking build
- Available in 120 mm and 140 mm sizes and multiple colors including black, white or the signature Fractal Design white-on-black combination

Package contents

- Dynamic X2 Series fan
- Screw pack with 4 metal fan screws

General specifications

Specification	• Dynamic X2 GP-12 PWM	• Dynamic X2 GP-14 PWM
Size	• 120 x 120 x 25 mm	• 140 x 140 x 25 mm
Colors available	• Black blades, black frame • White blades, black frame	• Black blades, black frame • White blades, black frame
Screw hole pattern	• 105 x 105 mm	• 125 x 125 mm
Connector	• 4-pin fan header	• 4-pin fan header
Bearing	• LLS	• LLS
Number of blades	• 7	• 7
Rotational speed	• 2000 RPM	• 1700 RPM
Acoustical noise	• 32.2 dB(A)	• 33.7 dB(A)
Maximum air flow	• 87.6 CFM	• 105.9 CFM
Maximum pressure	• 2.3 mmH2O	• 1.95 mmH2O
Actual input power	• 1.32W	• 1.7W
Maximum rated input current	• 0.2A	• 0.25A
Nominal input voltage	• 12V	• 12V
Minimum startup voltage	• 6V	• 6V
Low (0-20%) PWM speed	• 500 RPM	• 500 RPM
Low PWM Static pressure	• 0.51 mmH2O	• 0.5 mmH2O
Low PWM Air flow	• 30.5 CFM	• 47.9 CFM
Low PWM Noise level	• <10 dB(A)	• <10 dB(A)

General specifications

Specification	• Dynamic X2 GP-12 PWM	• Dynamic X2 GP-14 PWM
MTBF	• 100,000 hrs.	• 100,000 hrs.
Unit weight	• 159 g	• 185 g
Package weight	• 200 g	• 230 g
Cable length	• 500 mm	• 500 mm
Cable type	• Black ribbon cable	• Black ribbon cable
Packaging dimensions (Including hanging tab)	• 180 x 122 x 26 mm	• 200 x 142 x 26 mm
Packaging dimensions (Excluding hanging tab)	• 147 x 122 x 26 mm	• 167 x 142 x 26 mm

Additional information

Product	SKU	EAN	UPC	JAN
Dynamic X2 GP-12 PWM	FD-FAN-DYN-X2-GP12-PWM-BK	7340172701880	843276101886	4537694267694
	FD-FAN-DYN-X2-GP12-PWM-WT	7340172700166	843276100162	4537694257503
Dynamic X2 GP-14 PWM	FD-FAN-DYN-X2-GP14-PWM-BK	7340172701897	843276101893	4537694267700
	FD-FAN-DYN-X2-GP14-PWM-WT	7340172700173	843276100179	4537694257510