

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 500 to 2,000 RPM speed adjustment range for silent operation under lighter loads and maximum airflow during more demanding activity.
- 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 120mm and 140mm 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 [mm]	• 120x120x25mm	• 140x140x25mm
Colors available	• White blades, black frame	• White blades, black frame
Screw hole pattern	• 105x105mm	• 125x125mm
Connector	• 4-pin fan header	• 4-pin fan header
Bearing	• LLS	• LLS
Number of blades	• 7	• 7
Rotational speed [RPM]	• 2000	• 1700
Acoustical noise [dB (A)]	• 32.2	• 33.7
Maximum air flow [CFM]	• 87.6	• 105.9
Maximum pressure [mm H2O]	• 2.3	• 1.95
Actual input power [W]	• 1.32	• 1.7
Maximum rated input current [A]	• 0.2	• 0.25
Nominal input voltage [V]	• 12	• 12
Minimum startup voltage [V]	• 6	• 6
Low (0-20%) PWM speed	• 500	• 500
Low PWM Static pressure	• 0.51	• 0.5
Low PWM Air flow	• 30.5	• 47.9
Low PWM Noise level	• <10	• <10

General specifications

Specification	• Dynamic X2 GP-12 PWM	• Dynamic X2 GP-14 PWM
Unit weight [g]	• 159	• 185
Package weight [g]	• 200	• 230
Cable length [mm]	• 500	• 500
Cable type	• Black ribbon cable	• Black ribbon cable
Packaging dimensions [mm] (Including hanging tab)	• 180x122x26	• 200x142x26
Packaging dimensions [mm] (Excluding hanging tab)	• 147x122x26	• 167x142x26

Additional information

Product	SKU	EAN	UPC	JAN
Dynamic X2 GP-12 PWM	FD-FAN-DYN-X2-GP12-PWM-WT	7340172700166	843276100162	4537694257503
Dynamic X2 GP-14 PWM	FD-FAN-DYN-X2-GP14-PWM-WT	7340172700173	843276100179	4537694257510