

Dynamic Series Fans

Fractal Design Dynamic GP-12 and GP-14 are true all-purpose fans, with good airflow in any usage scenario. Their customized design lends to a beautifully aesthetic fan to help keep your system cool, yet quiet.

Designed with leading technology techniques in mind, the Dynamic Series fans feature aerodynamic elements, similarly found in airplane wing designs, with significant noise-reducing elements, resulting in a fantastic price-performance ratio.

The Dynamic Series fans come in two color combinations: all-black and the classic Fractal Design signature color scheme with white blades and black frame.

Aerodynamic technology. Cool design.

Key Features

- Featuring hydraulic bearings; a cost-efficient compromise between a standard sleeve bearing and a true FDB bearing
- Equipped with a counter-balancing magnet in the hub that reduces the axial tension on the bearing, further protecting the longevity of the bearing
- Optimized fan geometry for a good balance between static pressure and maximum airflow, resulting in good performance in all usage scenarios
- Aerodynamically shaped thin stator struts (including wire strut), mimicking the design commonly found on airplane wings, delivering correct angles allowing for air to easily pass through reducing noise and unwanted turbulence.
- Stator struts are angled perpendicular to the blades, helping to reduce noise commonly emitted when the blades pass the struts. In effect, minimal noise that may be emitted will be constant and therefore almost inaudible to the ear.
- Strategically placed notches near the fan hub on the trailing edge of the blades, further reducing and diffusing humming noise produced when the blades pass the stator struts
- Includes a "trip wire" on the rear side of the blades, near the leading edge. The trip wire technology, also commonly found in airplane wing designs, introduces a micro-turbulent layer that helps to combat the elements that negatively affect performance. The presence of the trip wire overall provides a more efficient and quiet fan environment.
- The customized design of the Dynamic Series fans contributes to a beautiful, cool build
- Available in 120mm and 140mm fan sizes



General Specifications

FAN	Dynamic GP-12	Dynamic GP-14
Size (mm)	• 120*120*25	• 140*140*25
Colours available	• Black blades, black frame • White blades, black frame	• Black blades, black frame • White blades, black frame
Screw hold pattern (mm)	• 105*105	• 125*125
Connector	• 3-pin fan header	• 3-pin fan header
Bearing	• Hydraulic	• Hydraulic
Number of blades	• 7	• 7
Rotational speed	• 1200	• 1000
Accoustical noise (dB (A))	• 19.4	• 18.9
Maximum air flow (CFM)	• 52.3	• 68.4
Maximum pressure (mm H2O)	• 0.88	• 0.71
Actual input power (W)	• 1.44	• 1.7
Maximum rated input current (A)	• 0.18	• 0.2
Nominal input voltage (V)	• 12	• 12
Minimum startup voltage (V)	• 4.0	• 4.0
MTBF (hours)	• 40,000	• 40,000
Unit weight (g)	• 119	• 142
Package weight (g)	• 160	• 190
Cable length (mm)	• 500	• 5000
Cable type	• Black ribbon cable	• Black ribbon cable
Package dimensions (mm), including hanging tab	• 180*122*26	• 200*142*26
Package dimensions (mm), excluding hanging tab	• 147*122*26	• 167*142*26

Package contents

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

Description	Art. Number	EAN Code	UPC Code
Dynamic GP-12 Black	FD-FAN-DYN-GP12-BK	7350041083290	817301013291
Dynamic GP-12 White	FD-FAN-DYN-GP12-WT	7350041083306	817301013307
Dynamic GP-14 Black	FD-FAN-DYN-GP14-BK	7350041083313	817301013314
Dynamic GP-14 White	FD-FAN-DYN-GP14-WT	7350041083320	817301013321