Fractal

PRODUCT SHEET

Dynamic 3

English version

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OVERVIEW

Dynamic 3

Cooling in motion

Dynamic 3 is a fan series designed to deliver strong airflow in a clean, modern form. It balances cooling capability with quieter acoustics, making it a versatile choice for gaming setups. RGB versions add a customizable glow with ARGB Gen 2 lighting, while daisy-chainable cables help reduce clutter. Dynamic 3 is available in both standard and reverse airflow variants to suit different build layouts.

Key features

- Incorporates a swept blade design that helps reduce noise while maintaining strong cooling performance.
- Allows a wide range of precise PWM control, from low-speed operation up to 2200 RPM (120 mm versions).
- Allows a wide range of precise PWM control, from low-speed operation up to 1800 RPM (140 mm versions).
- Built with a rifle bearing for smooth, stable rotation and dependable performance over time.
- Each fan includes daisy chain connectivity for easy cable routing and tidier cable management.
- Features ARGB Gen 2 lighting capable of dynamic animations for a sleek, coordinated finish (RGB versions).
- Includes a molded center cap for a cleaner, more consistent look during rotation.
- Available in standard or reverse airflow variants to suit different build layouts.

Specifications

Specification	12 Black	12 RGB (Black and White)	12 Reverse (Black and White)	12 Reverse RGB (Black and White)
Size (LxWxH)	120 x 120 x 25 mm	120 x 120 x 25 mm	120 x 120 x 25 mm	120 x 120 x 25 mm
Screw hole pattern	105 x 105 mm	105 x 105 mm	105 x 105 mm	105 x 105 mm
LED type	N/A	ARGB Gen 2 (8 LEDs)	N/A	ARGB Gen 2 (8 LEDs)
Bearing	Rifle	Rifle	Rifle	Rifle
Number of blades	7	7	7	7
Rotational speed	350 (±150) - 2200 (±10%) RPM	350 (±150) - 2200 (±10%) RPM	350 (±150) - 2200 (±10%) RPM	350 (±150) - 2200 (±10%) RPM
Noise level	31.9 dB(A)	31.9 dB(A)	35.9 dB(A)	36.2 dB(A)
Maximum airflow (CFM)	63.9 CFM	63.9 CFM	64.42 CFM	65.38 CFM
Maximum airflow (m3/h)	108.5 m^3/h	108.5 m^3/h	109.4 m^3/h	111.1 m^3/h
Maximum pressure	2.82 mm H2O	2.82 mm H2O	2.49 mm H2O	2.54 mm H2O
Fan typical input power	0.16 A±0.06 A	0.16 A±0.06 A	0.16 A±0.06 A	0.16 A±0.06 A
Fan typical input current	1.92 W±0.72 W	1.92 W±0.72 W	1.92 W±0.72 W	1.92 W±0.72 W
Fan maximum input power	2.58 W	3.29 W	2.6 W	2.6 W
Fan maximum input current	0.22 A	0.27 A	0.22 A	0.26 A
Fan input voltage	12 V	12 V	12 V	12 V
Minimum startup voltage	7 V	7 V	7 V	7 V
LED rated voltage	N/A	5 V	N/A	5 V
LED rated current	N/A	0.12 A	N/A	0.12 A
LED Rated input power	N/A	1.48 W	N/A	1.48 W
MTTF	> 90 000 h	> 90 000 h	> 90 000 h	> 90 000 h
Cable length	500 mm + 60 mm daisy chain	500 mm + 60 mm daisy chain	500 mm + 60 mm daisy chain	500 mm + 60 mm daisy chain
Cable type	4-pin PWM connectors	4-pin PWM and 3-pin RGB connectors	4-pin PWM connectors	4-pin PWM and 3-pin RGB connectors
Net Weight	156 g	165 g	160 g	165 g
Gross Weight	185 g	194 g	190 g	194 g

Specification	14 Black	14 RGB (Black and White)
Size (LxWxH)	140 x 140 x 25 mm	140 x 140 x 25 mm
Screw hole pattern	125 x 125 mm	125 x 125 mm
LED type	N/A	ARGB Gen 2 (10 LEDs)
Bearing	Rifle	Rifle
Number of blades	7	7
Rotational speed	350 (±150) - 1800 (±10%) RPM	350 (±150) - 1800 (±10%) RPM
Noise level	30.8 dB(A)	30.8 dB(A)
Maximum airflow (CFM)	76.3 CFM	76.3 CFM
Maximum airflow (m3/h)	129.6 m^3/h	129.6 m^3/h
Maximum pressure	2.61 mm H2O	2.61 mm H2O
Fan typical input current	0.15 A±0.05 A	0.15 A±0.05 A
Fan typical input power	1.8 W±0.6 W	1.8 W±0.6 W
Fan maximum input power	2.76 W	2.88 W
Fan maximum input current	0.23 A	0.21 A
Fan input voltage	12 V	12 V
Minimum startup voltage	7 V	7 V
LED rated voltage	N/A	5 V
LED rated current	N/A	0.15 A
LED Rated input power	N/A	1.8 W
MTTF	> 90 000 h	> 90 000 h
Cable length	500 mm + 60 mm daisy chain	500 mm + 60 mm daisy chain
Cable type	4-pin PWM connectors	4-pin PWM and 3-pin RGB connectors
Net Weight	186 g	194 g
Gross Weight	222 g	230 g

Package contents

Dynamic 3 – 12 / 14	Dynamic 3 – 12 / 14 3-Pack
4 x Fan screws	12 x Fan screws

Additional information

SKU	Product	EAN	UPC	ASIN
FD-F-DY3-1201	Dynamic 3 – 12 Black	7340172711872	843276111878	B0FQ5TQX2C
FD-F-DR3-1201	Dynamic 3 – 12 RGB Black	7340172711797	843276111793	B0FQ5XMRPZ
FD-F-DR3-1202	Dynamic 3 – 12 RGB White	7340172711803	843276111809	B0FQ5WKSLF
FD-F-DR3-1203	Dynamic 3 – 12 RGB 3-Pack Black	7340172711810	843276111816	B0FQ5T8SMN
FD-F-DY3-1202	Dynamic 3 – 12 Reverse Black	7340172711889	843276111885	B0FQ5ZHPFC
FD-F-DY3-1203	Dynamic 3 – 12 Reverse White	7340172711896	843276111892	B0FQ5YDYPC
FD-F-DR3-1204	Dynamic 3 – 12 Reverse RGB Black	7340172711827	843276111823	B0FQ5XG4DC
FD-F-DR3-1205	Dynamic 3 – 12 Reverse RGB White	7340172711834	843276111830	B0FQ5WS23D
FD-F-DY3-1401	Dynamic 3 – 14 Black	7340172711902	843276111908	B0FQ5VQTWK
FD-F-DR3-1401	Dynamic 3 – 14 RGB Black	7340172711841	843276111847	B0FQ5W3K5G
FD-F-DR3-1402	Dynamic 3 – 14 RGB White	7340172711858	843276111854	B0FQ5XJ85T
FD-F-DR3-1403	Dynamic 3 – 14 RGB 3-Pack Black	7340172711865	843276111861	B0FQ5WJVNV

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Thank you!