



Fractal Venturi HF12 120mm Case Fan - Black

\$16.99

Product Images



Short Description

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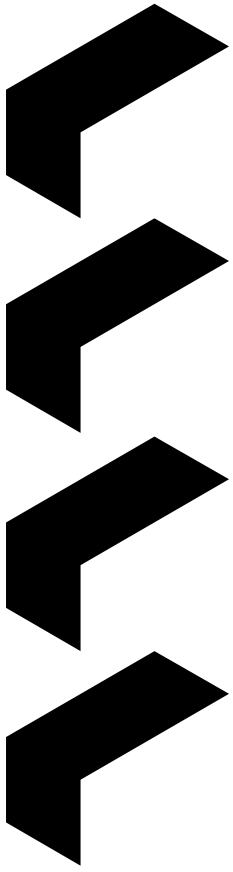
Designed with a variety of performance-increasing and noise-reducing features, these fans can move an amazing amount of air compared to other fans at the same, minimal noise level.

The HF-14 comes with two sets of solid vibration-dampening rubber corners: one for standard 140mm fan hole spacing (125mm) and one compatible with the standard 120mm hole spacing (105mm). The Venturi High Flow Series fans are ideal for those looking for a perfect balance between high performance and low noise built from sturdy, high quality materials.



Features

- Featuring true FDB-bearings, providing silent operation coupled with a long lifespan
- Equipped with a counter-balanced magnet that reduces the axial tension on the bearing
- Features integrated vibration-dampening corners, made from solid high-quality synthetic rubber
- Dense, sturdy construction, made from high-grade glass fiber reinforced thermoplastic polymer
- Fan geometry is optimized for a ground-breaking airflow, perfect for low-restriction usage scenarios such as computer case ventilation and low-density heatsinks or radiators.
- Aerodynamically shaped thin stator struts reduce noise and unwanted turbulence
- Strategically placed notches on the blades further reduce and diffuse any humming noise produced when the blades pass the stator struts
- The trip wire technology introduces a micro-turbulent layer that combats elements that negatively affect performance, resulting in quieter operation
- Featuring a powerful motor to maintain a reliable speed and a low-speed adapter for reducing the speed without the use of a fan controller
- 140mm fans come with an additional set of vibration-dampening corners are included that lends compatibility with 120mm fan mounts (105mm screw spacing). This enables the use of 140mm fans on many CPU coolers.
- Available in 120mm and 140mm fan sizes



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Specifications

Fan	HF-12	HP-12 PWM	HF-14	HP-14 PWM
Size [mm]	120*120*25mm	120*120*25mm	140*140*25mm	140*140*25mm
Colors available	Black blades, black corners, dark grey ("Gunmetal") frame	Black blades, black corners, dark grey ("Gunmetal") frame	Black blades, black corners, dark grey ("Gunmetal") frame	Black blades, black corners, dark grey ("Gunmetal") frame
Screw hole pattern	105*105mm	105*105mm	125*125mm 105*105mm	125*125mm 105*105mm
Connector	3-pin fan header	4-pin fan header	3-pin fan header	4-pin fan header
Bearing	FDB	FDB	FDB	FDB
Number of blades	9	7	11	7
Rotational speed [RPM]	1400	1800	1200	1500

Acoustical noise [dB (A)]	25.3	31.7	26.5	30.1
Maximum air flow [CFM]	83.4	61.4	118.2	78.1
Maximum air flow [m ³ /h]	141.7	104.3	200.8	132.7
Maximum pressure [mm H ₂ O]	1.22	2.3	0.95	1.94
Actual input power [W]	1.3	1.0	2.2	1.4
Maximum rated input current [A]	0.2	0.2	0.3	0.2
Nominal input voltage [V]	12V	12V	12V	12V
Minimum startup voltage [V]	4V	6V	4V	7V
Low (0-20%) PWM speed		400 RPM		400 RPM
Low PWM Static pressure		0.45 mm H ₂ O		0.54 mm H ₂ O
Low PWM Air flow		15.4 CFM 26.2 m ³ /h		24.0 CFM 40.8 m ³ /h
Low PWM Noise level		< 10 dB (A)		< 10 dB (A)
Low speed adapter speed	1100 RPM		850 RPM	
Low speed adapter Static pressure	0.89 mm H ₂ O		0.59 mm H ₂ O	
Low speed adapter Air flow	65.8 CFM 111.8 m ³ /h		78.5 CFM 133.4 m ³ /h	
Low speed adapter Noise level	19.0 dB (A)		18.3 dB (A)	
MTBF [hours]	150,000	150,000	150,000	150,000
Unit weight [g]	169	179	202	210

Package weight [g]	215	225	260	270
Cable length [mm]	500	500	500	500
Cable type	Braided all-black ribbon wire	Braided all-black ribbon wire	Braided all-black ribbon wire	Braided all-black ribbon wire
Packaging dimensions [mm] (Including hanging tab)	180*122*30	180*122*30	200*142*30	200*142*30
Packaging dimensions [mm] (Excluding hanging tab)	147*122*30	147*122*30	167*142*30	167*142*30

Package contents

- Venturi Series fan
- Screw pack with 4 metal screws
- [HF models] Low speed adapter
- [HP models] 1->2 PWM signal splitter cable
- [140 mm models] 4 additional rubber corners, with 105mm hole pattern

Additional Information

Brand	Fractal Design
SKU	FD-FAN-VENT-HF12-BK-D
Weight	0.6000
Color	Black
Fan Dimensions	120mm
Fan Width	25mm
Fan Connection	3-Pin
Fan Voltage	12 VDC
Fan RPM	1400
Fan CFM	83
Fan Noise (dB)	25
Vendor SKU/EAN	817301013338

