

Venturi HF / HP

High precision airflow. High level performance

The Venturi Series of fans delivers high quality design and construction bringing forth a leading performance fan series with built-in rubber vibration dampening corners coupled with top quality electronics and materials. Venturi fans are ideal for high pressure or high airflow usage scenarios featuring detailed engineered elements that contribute to a low-noise yet a maximum performing solid fan.





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

Key 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 high pressure, delivering high performance results in high restriction usage scenarios, such as in use with large dense heatsinks or water cooling radiators.
- Featuring PWM control with a very wide speed range, starting at only 400RPM (400 +/- 100 RPM), ideal for CPU heatsinks or radiators, where the motherboard can control the fan speed based on the CPU temperature. (HP PWM Version only)
- 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
- Comes with a PWM Y-cable, for connecting additional fans to a single PWM header on your motherboard or PWM 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
- Available in two color combinations, Black blades, black corners, dark grey ("Gunmetal") frame and White blades, black corners, black frame

General specifications

Specification	• HF-12	• HP-12 PWM
Size [mm]	• 120x120x25mm	• 120x120x25mm
Colors available	• Black blades, black corners, dark grey ("Gunmetal") frame • White blades, black corners, black frame	• Black blades, black corners, dark grey ("Gunmetal") frame • White blades, black corners, black frame
Screw hole pattern	• 105x105mm	• 105x105mm
Connector	• 3-pin fan header	• 4-pin fan header
Bearing	• FDB	• FDB
Number of blades	• 9	• 7
Rotational speed [RPM]	• 1400	• 1800
Acoustical noise [dB (A)]	• 25.3	• 31.7
Maximum air flow [CFM]	• 83.4	• 61.4
Maximum air flow [m ³ /h]	• 141.7	• 104.3
Maximum pressure [mm H ₂ O]	• 1.22	• 2.3
Actual input power [W]	• 1.3	• 1.0
Maximum rated input current [A]	• 0.2	• 0.2
Nominal input voltage [V]	• 12V	• 12V
Minimum startup voltage [V]	• 4V	• 6V
Low (0-20%) PWM speed		• 400 RPM
Low PWM Static pressure		• 0.45 mm H ₂ O
Low PWM Air flow		• 15.4 CFM • 26.2 m ³ /h
Low PWM Noise level		• < 10 dB (A)

General specifications

Specification	• HF-12	• HP-12 PWM
Low speed adapter speed	• 1100 RPM	
Low speed adapter Static pressure	• 0.89 mm H2O	
Low speed adapter Air flow	• 65.8 CFM • 111.8 m3/h	
Low speed adapter Noise level	• 19.0 dB (A)	
MTBF [hours]	• 150	• 150
Unit weight [g]	• 169	• 179
Package weight [g]	• 215	• 225
Cable length [mm]	• 500	• 500
Cable type	• Braided all-black ribbon wire	• Braided all-black ribbon wire
Packaging dimensions [mm] (Including hanging tab)	• 180x122x30	• 180x122x30
Packaging dimensions [mm] (Excluding hanging tab)	• 147x122x30	• 147x122x30

General specifications

Specification	• HF-14	• HP-14 PWM
Size [mm]	• 140x140x25mm	• 140x140x25mm
Colors available	• Black blades, black corners, dark grey ("Gunmetal") frame • White blades, black corners, black frame	• Black blades, black corners, dark grey ("Gunmetal") frame • White blades, black corners, black frame
Screw hole pattern	• 125x125mm • 105x105mm	• 125x125mm • 105x105mm
Connector	• 3-pin fan header	• 4-pin fan header
Bearing	• FDB	• FDB
Number of blades	• 11	• 7
Rotational speed [RPM]	• 1200	• 1500
Acoustical noise [dB (A)]	• 26.5	• 30.1
Maximum air flow [CFM]	• 118.2	• 78.1
Maximum air flow [m ³ /h]	• 200.8	• 132.7
Maximum pressure [mm H ₂ O]	• 0.95	• 1.94
Actual input power [W]	• 2.2	• 1.4
Maximum rated input current [A]	• 0.3	• 0.2
Nominal input voltage [V]	• 12V	• 12V
Minimum startup voltage [V]	• 4V	• 7V
Low (0-20%) PWM speed		• 400 RPM
Low PWM Static pressure		• 0.54 mm H ₂ O
Low PWM Air flow		• 24.0 CFM • 40.8 m ³ /h
Low PWM Noise level		• < 10 dB (A)

General specifications

Specification	• HF-14	• HP-14 PWM
Low speed adapter speed	• 850 RPM	
Low speed adapter Static pressure	• 0.59 mm H2O	
Low speed adapter Air flow	• 78.5 CFM • 133.4 m3/h	
Low speed adapter Noise level	• 18.3 dB (A)	
MTBF [hours]	• 150	• 150
Unit weight [g]	• 202	• 210
Package weight [g]	• 260	• 270
Cable length [mm]	• 500	• 500
Cable type	• Braided all-black ribbon wire	• Braided all-black ribbon wire
Packaging dimensions [mm] (Including hanging tab)	• 200x142x30	• 200x142x30
Packaging dimensions [mm] (Excluding hanging tab)	• 167x142x30	• 167x142x30

Additional information

Product	SKU	EAN	UPC	JAN
Venturi HF-12 White	FD-FAN-VENT-HF12-WT	7340172700180	843276100186	4537694257534
Venturi HP-12 PWM White	FD-FAN-VENT-HP12-PWM-WT	7340172700203	843276100209	4537694257541
Venturi HF-14 White	FD-FAN-VENT-HF14-WT	7340172700197	843276100193	4537694257558
Venturi HP-14 PWM White	FD-FAN-VENT-HP14-PWM-WT	7340172700210	843276100216	4537694257565

Package contents

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