

CE | RoHS

用心追求极致 奋斗改变未来



 **北京子航达辉电子有限公司**
HANGDAHUI Beijing Zihang Dahui Electronic Co., Ltd



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北京子航达辉电子有限公司

Beijing Zihang Dahui Electronic Co., Ltd

专业DC/AC风扇的研发设计, 生产和销售

DC fan, Blower, AC fan



公司简介Company profile



创

北京子航达辉电子有限公司成立于2010年，是一家提供传热解决方案的公司。在这个行业有十多年的经验。我们的产品广泛用于电子，变频器，机柜，机箱，机械设备，电焊机，医疗设备，通讯设备，家用电器，LED,仪器仪表，IT等行业。主要产品AC/DC散热风扇，离心式鼓风机，横流风机，轴流风机，风扇防护罩等等

我们的产品可以满足客户各种严格要求，风量大，寿命长，低噪音，防水，防尘，防潮，防酸碱，超高转速等，还可以根据特殊要求开模生产，以最快的交货速度交于客户。公司拥有世界一流的测量设备，为产品的高质量提供安全可靠的保证，为中国飞速发展的基础设施提供高质量的散热方案，承担本公司的社会责任，特别是为小公司和初创公司提供技术支持，携手共创美好未来！"

Founded in 2010, Beijing Zihangdahui Electronics Co., Ltd. is a company providing heat transfer solutions. He has more than ten years of experience in this industry. Our products are widely used in electronics, frequency converters, cabinets, chassis, mechanical equipment, welding machines, medical equipment, communications equipment, home appliances, LED, instrumentation, IT and other industries. The main products are AC/DC cooling fans, centrifugal blowers, cross flow fans, axial fans, fan guards, etc. Our products can meet all kinds of strict requirements of customers, with large air volume, long life, low noise, waterproof and dustproof. Moisture-proof, acid-proof, ultra-high-speed, etc., can also be opened according to special requirements, and delivered to customers with the fastest delivery speed.

The company has world-class measuring equipment, providing safe and reliable guarantee for the high quality of products, providing high-quality cooling solutions for China's rapid development of infrastructure, and undertaking the company's social responsibility, especially for small companies and



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ISO14001



ISO9001



ISO45001



Brand



RoHS



CE

* Air Flow & Static Pressure Conversion Table

I. Air Flow Conversion Table:

m ³ /s (CMS)	m ³ /min (CMM)	L/S	L/min	m ³ /h (CMH)	ft ³ /s (CFS)	ft ³ /min (CFM)
1	6x10	1x10 ³	6x10 ⁴	3.6x10 ³	3.531x10	2.118x10 ³
1.66666x10 ⁻²	1	1.66666x10	1x10 ³	6x10	5.885x10 ⁻¹	3.531x10
1x10 ⁻³	6x10 ⁻²	1	6x10	3.6	3.531x10 ⁻²	2.118
1.66666x10 ⁻⁵	1x10 ⁻³	1.66666x10 ⁻²	1	6x10 ⁻²	5.89x10 ⁻¹	3.54x10 ⁻²
2.77777x10 ⁻¹	1.66666x10 ⁻²	2.77777x10 ⁻¹	1.66666x10	1	9.81x10 ⁻³	5.886x10 ⁻¹
2.832x10 ⁻²	1.69833	2.831x10	1.69833x10 ³	1.019x10 ²	1	6x10
4.72x10 ⁻¹	2.831x10 ⁻²	0.472	2.831x10	1.6983	1.66666x10 ⁻²	1

Notes: CFS:Cubic feet per second, (ft³/s)
CFM:Cubic feet per minute, (ft³/min)
CMS:Cubic meter per second, (m³/s)
CMM:Cubic meter per minute, (m³/min)
CMH:Cubic meter per hour, (m³/h)
L/s: Liter per second
L/min: Liter per minute

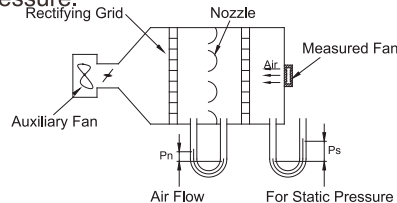
II. Static Pressure Conversion Table:

Pa=N/m ²	mm-H ₂ O	inch-H ₂ O	Kgf/cm ²	atm	bar	Lbf/in ²
1	1.0197x10 ⁻¹	4.017x10 ³	1.0197x10 ⁻⁵	9.869x10 ⁻⁶	1x10 ⁻⁵	1.450x10 ⁻¹
9.80665	1	3.939x10 ⁻²	1x10 ⁻¹	9.678x10 ⁻⁵	9.806x10 ⁻⁵	1.422x10 ⁻³
2.49x10 ²	25.4	1	2.54x10 ⁻³	2.46x10 ⁻³	2.49x10 ⁻³	3.61x10 ⁻²
9.80665x10 ⁴	10 ⁴	3.937x10 ²	1	0.9678	0.980665	14.2234
1.01325x10 ⁵	1.0332x10 ⁴	4.071x10 ²	1.03323	1	1.01325	14.6960
1x10 ⁵	1.0197x10 ⁴	4.018x10 ²	1.01972	0.986932	1	14.5038
6.895x10 ³	7.031x10 ²	27.686	7.031x10 ⁻²	6.805x10 ⁻²	6.895x10 ⁻²	1

Notes: N:Newton, 1 N = 0.101097 Kgf
Pa:Pascal, Pa = N/m²
mmAq: Aq=Aqua=mmH₂O
amt: Atmospheric pressure, 1 atm = 760 mmHg
The proportion of mercury and water
So, 1 atm = 1.0332x10⁴ mmH₂O
bar: 1 bar = 100000 Pa = 10⁵ Pa

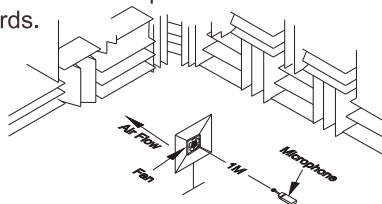
• Air Flow & Pressure Measurement

An AMCA 210 Standard double chamber is used to accurately measure air volume and static pressure.



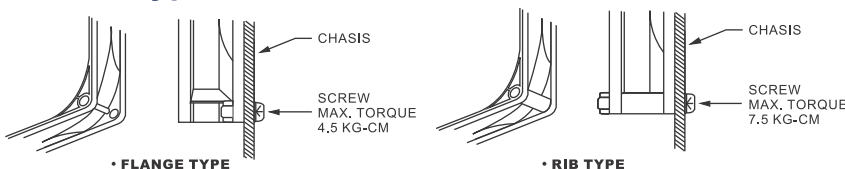
• Acoustic Noise Measurement

Noise measurements are performed in an Anechoic Chamber with less than 18dBA background noise in compliance with ISO3744, ISO3745, GB/T6882-86, JIS C 9603 standards.



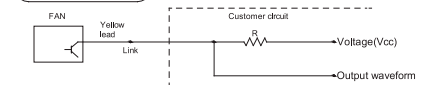
DC Fan 1m from the side
AC Fan 1m from the side

* Frame Types

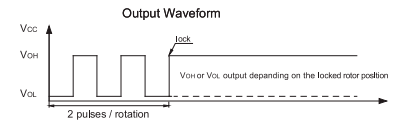


* Wave Form Of IC Function

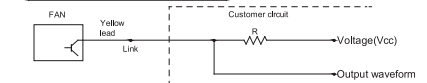
A:3rd Pulse Wire



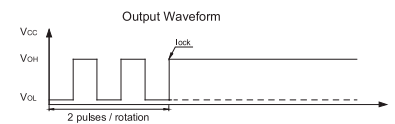
**Please select "R" to make "Link" less than 10mA ** *Vcc:3.0V MAX, Link:10mA max



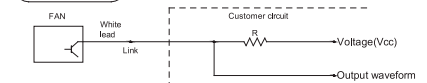
F:Techometer / Speed Sensor



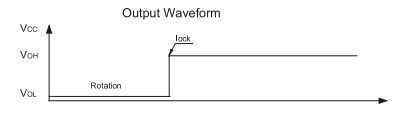
**Please select "R" to make "Link" less than 10mA ** *Vcc:3.0V MAX, Link:10mA max



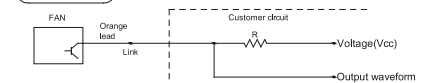
R:Alarm/high



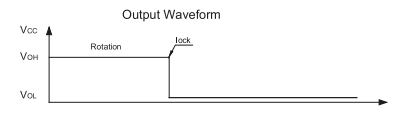
**Please select "R" to make "Link" less than 10mA ** *Vcc:3.0V MAX, Link:10mA max



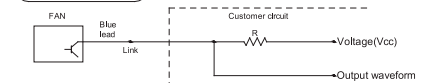
Q:Alarm/low



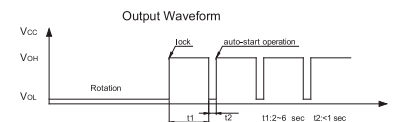
**Please select "R" to make "Link" less than 10mA ** *Vcc:3.0V MAX, Link:10mA max



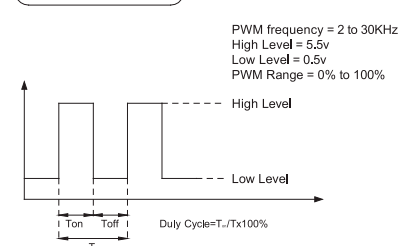
S:Alarm/high-low



**Please select "R" to make "Link" less than 10mA ** *Vcc:3.0V MAX, Link:10mA max



W:PWM Control input



PWM frequency = 2 to 30KHz
High Level = 5.5V
Low Level = 0.5V
PWM Range = 0% to 100%

风机有圆筒铝合金外框、PBT塑料风叶与风机构成一体，并通过双面法兰安装，因而具有体积小、免维护、安装方便等特点，并具有噪音低、振动小、运动可靠等优良性能;主要用于地面自动控制装置、电子设备、医疗设备、计算机、电源设备、电焊机、包装印刷设备、卫星通信、数控机械、点钞机、办公用品自动化等通风散热。

The fan is composed of cylinder aluminum alloy frame, PBT plastic fan blade and fan, and is installed by double-sided flange. Therefore, it has the characteristics of small volume, maintenance free, convenient installation, low noise, small vibration and reliable movement; It is mainly used for ventilation and heat dissipation of ground automatic control device, electronic equipment, medical equipment, computer, power supply equipment, welding machine, packaging and printing equipment, satellite communication, numerical control machinery, cash counting machine, office supplies automation, etc.

编码 H D 40 28 U 12 B W JG

序号 1 2 3 4 5 6 7 8 9

9、JG: 客委码(Customer code)

8、代表功能(Function description)
 F:温度计/速度传感器(Techometer / Speed Sensor)
 R:警报/高(Alarm/high) Q:警报/低(Alarm/low)
 W:PWM控制输入(PWM Control input)

7、代表轴承类型(Bearing)
 B: 滚珠(Ball) S: 含油(Sleeve)
 R: 液压(Hydraulic)

6、代表工作电压(Voltage)
 05:DC5V 12:DC12V 24:DC24V 48:DC48V

5、代表风扇转速(Speed)
 V: 最大高速(Max high) U: 超高速(Super high)
 H: 高速(High) M: 中速(Medium)
 L: 低速(Low) D: 超低速(Super low)

3、4、代表直流方框尺寸(DC frame size)

尺寸	单位mm	尺寸	单位mm	尺寸	单位mm
20	20*20	75	75*75	135	135*144
25	25*25	80	80*80	140	140*140
30	30*30	92	92*92	150	150*150
35	35*35	93	93*93	172	172*150
40	40*40	97	97*94	180	180*180
45	45*45	100	100	200	200*200
50	50*50	110	110*110	220	220
60	60*60	120	120*120	254	254*254
70	70*70	125	125*125		

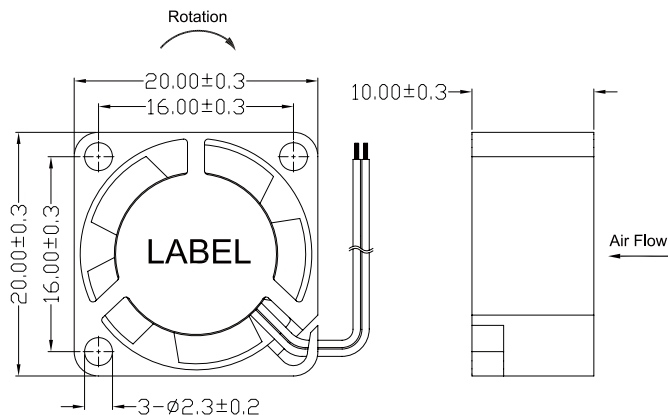
2、D: 直流方框系列(Cooling fan)
 B: 直流鼓风机系列(Blower)

1、代表品牌 航达辉(Hang Dai Hui)

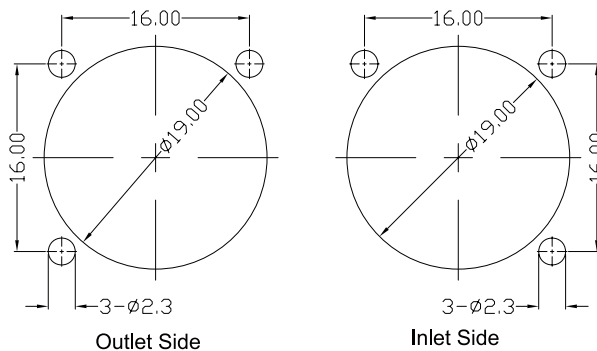
20x20x10 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 6.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD2010L05	5	4.0~5.75	0.06	10000	0.03	1.10	2.20	0.09	18.8
HD2010M05	5	4.0~5.75	0.08	12000	0.03	1.20	2.70	0.11	21.3
HD2010H05	5	4.0~5.75	0.13	14000	0.04	1.40	4.30	0.17	24.2
HD2010L12	12	7.0~13.8	0.03	10000	0.03	1.10	2.20	0.09	18.8
HD2010M12	12	7.0~13.8	0.05	12000	0.03	1.20	2.70	0.11	21.3
HD2010H12	12	7.0~13.8	0.08	14000	0.04	1.40	4.30	0.17	24.2

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

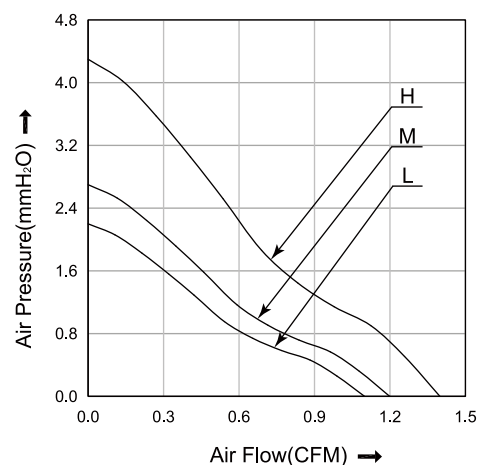
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



■ P&Q Curve

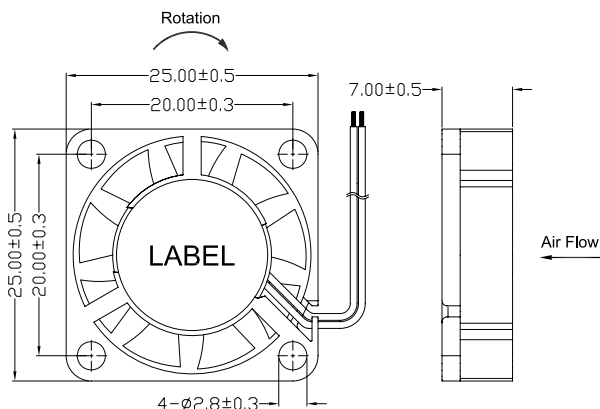


25x25x7 mm

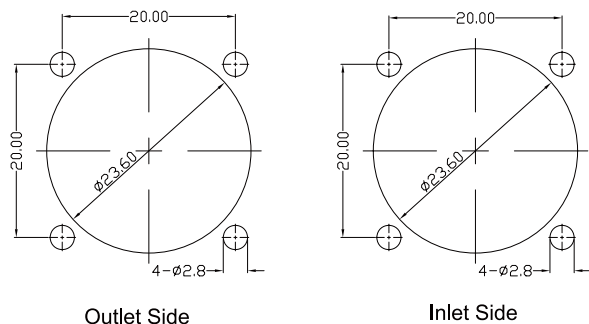
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 6.0g



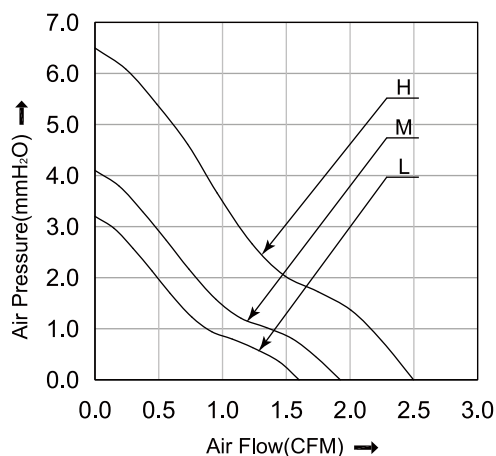
■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ P&Q Curve



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HD2507L05	5	4.0~5.75	0.13	8000	0.05	1.60	3.30	0.13	19.5
HD2507M05	5	4.0~5.75	0.21	10000	0.05	1.90	4.10	0.16	23.0
HD2507H05	5	4.0~5.75	0.30	13000	0.07	2.50	6.50	0.26	26.5
HD2507L12	12	7.0~13.8	0.06	8000	0.05	1.60	3.30	0.13	19.5
HD2507M12	12	7.0~13.8	0.09	10000	0.05	1.90	4.10	0.16	23.0
HD2507H12	12	7.0~13.8	0.13	13000	0.07	2.50	6.50	0.26	26.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

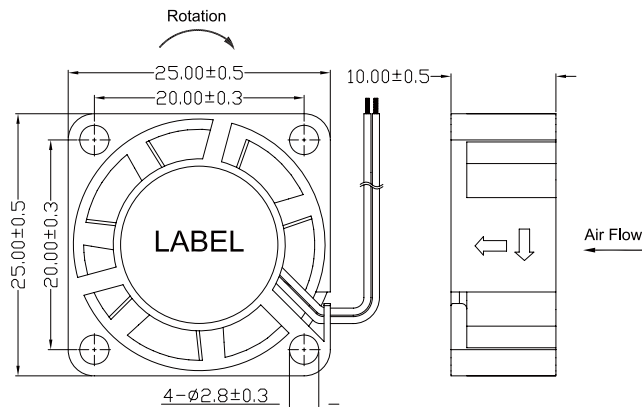
A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input

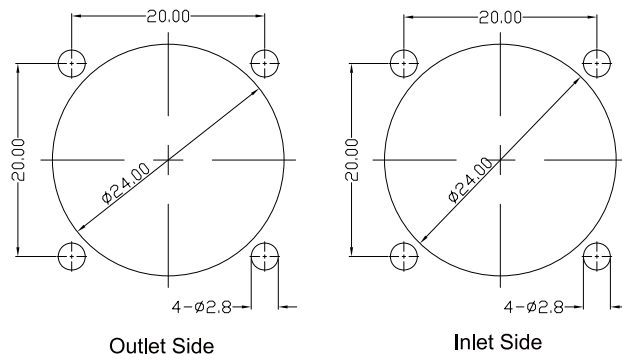
25x25x10 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 7.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD2510L05	5	4.0~5.75	0.13	7000	0.04	1.30	3.10	0.12	20.0
HD2510M05	5	4.0~5.75	0.21	10000	0.05	1.80	5.50	0.22	26.0
HD2510H05	5	4.0~5.75	0.30	13000	0.07	2.30	8.10	0.32	33.0
HD2510L12	12	7.0~13.8	0.06	7000	0.04	1.30	3.10	0.12	20.0
HD2510M12	12	7.0~13.8	0.09	10000	0.05	1.80	5.50	0.22	26.0
HD2510H12	12	7.0~13.8	0.13	13000	0.07	2.30	8.10	0.32	33.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

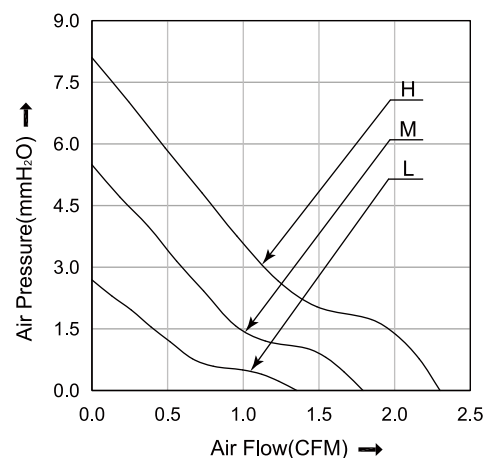
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



■ P&Q Curve

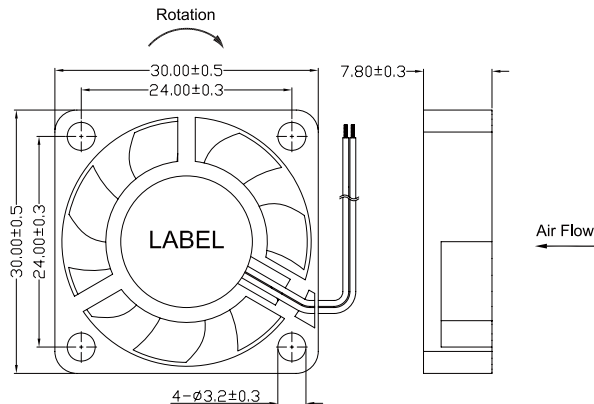


30x30x7 mm

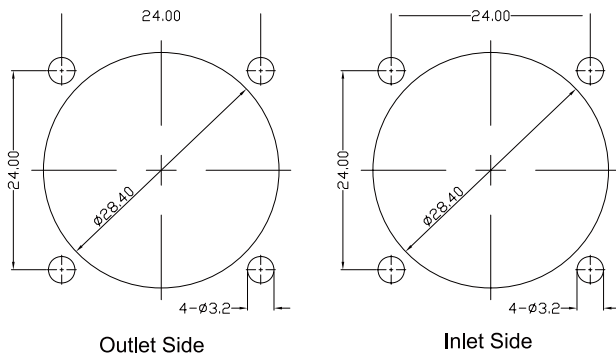
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 7.0g



■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD3007L05	5	4.0~5.75	0.13	7000	0.07	2.50	3.30	0.13	24.0
HD3007M05	5	4.0~5.75	0.21	10000	0.10	3.60	5.80	0.23	32.5
HD3007H05	5	4.0~5.75	0.30	13000	0.13	4.60	8.10	0.32	40.0
HD3007L12	12	7.0~13.8	0.06	7000	0.07	2.50	3.30	0.13	24.0
HD3007M12	12	7.0~13.8	0.13	10000	0.10	3.60	5.80	0.23	32.5
HD3007H12	12	7.0~13.8	0.18	13000	0.13	4.60	8.10	0.32	40.0

Note:

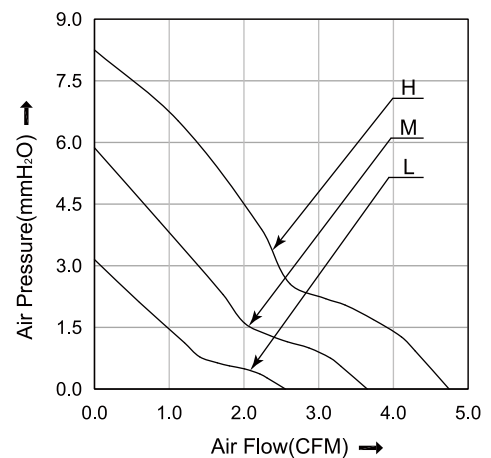
Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input

■ P&Q Curve



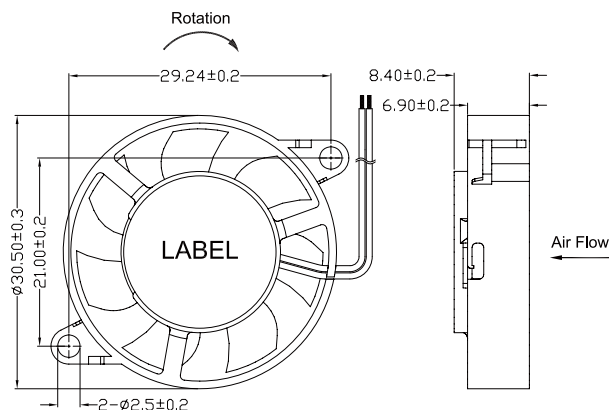
HD3007 C SERIES

φ30x7 mm

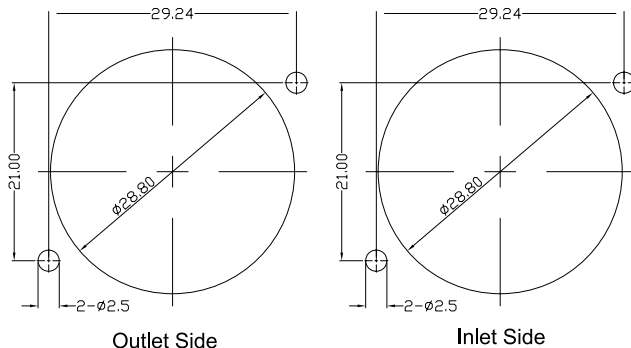
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 7.0g



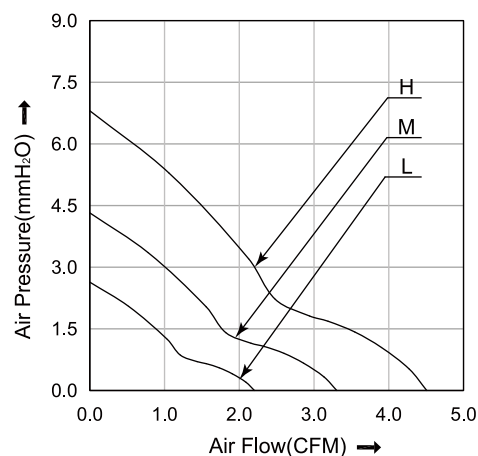
■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ P&Q Curve



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HD3007L05	5	4.0~5.75	0.13	6000	0.06	2.20	2.60	0.10	19.0
HD3007M05	5	4.0~5.75	0.23	9000	0.09	3.30	4.30	0.17	25.5
HD3007H05	5	4.0~5.75	0.30	12000	0.13	4.50	6.80	0.27	32.5
HD3007L12	12	7.0~13.8	0.09	6000	0.06	2.20	2.60	0.10	19.0
HD3007M12	12	7.0~13.8	0.13	9000	0.09	3.30	4.30	0.17	25.5
HD3007H12	12	7.0~13.8	0.18	12000	0.13	4.50	6.80	0.27	32.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Tachometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

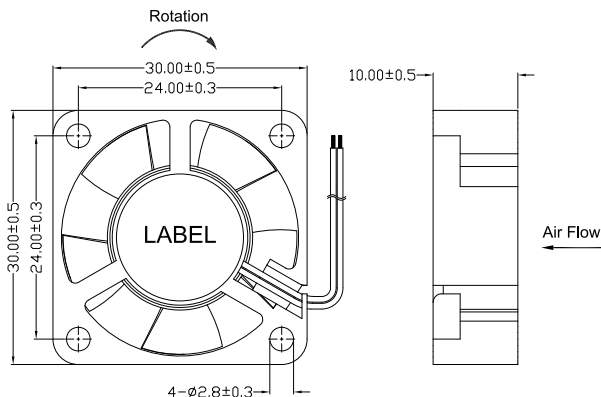
W:PWM Control input

30x30x10 mm

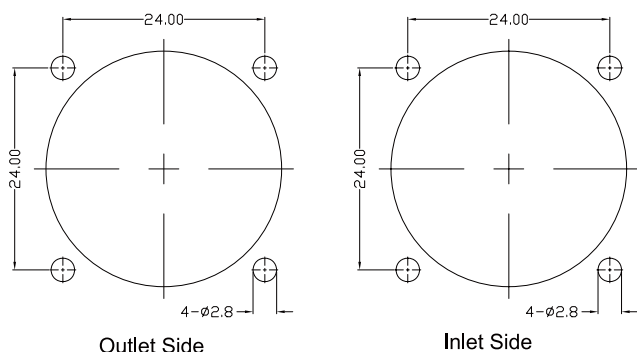
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 7.0g



■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD3010L05	5	4.0~5.75	0.18	6000	0.06	2.20	3.20	0.13	20.8
HD3010M05	5	4.0~5.75	0.25	9000	0.10	3.40	5.20	0.20	27.0
HD3010H05	5	4.0~5.75	0.35	12000	0.12	4.30	8.20	0.32	32.5
HD3010L12	12	7.0~13.8	0.09	6000	0.06	2.20	3.20	0.13	20.8
HD3010M12	12	7.0~13.8	0.13	9000	0.10	3.40	5.20	0.20	27.0
HD3010H12	12	7.0~13.8	0.18	12000	0.12	4.30	8.20	0.32	32.5
HD3010L24	24	14.0~27.6	0.06	6000	0.06	2.20	3.20	0.13	20.8
HD3010M24	24	14.0~27.6	0.09	9000	0.10	3.40	5.20	0.20	27.0
HD3010H24	24	14.0~27.6	0.13	12000	0.12	4.30	8.20	0.32	32.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

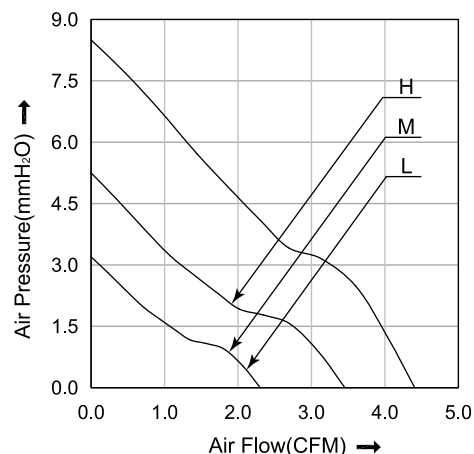
F:Techometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input

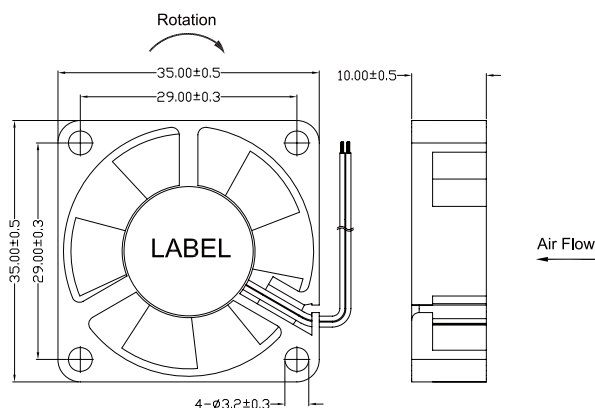
■ P&Q Curve



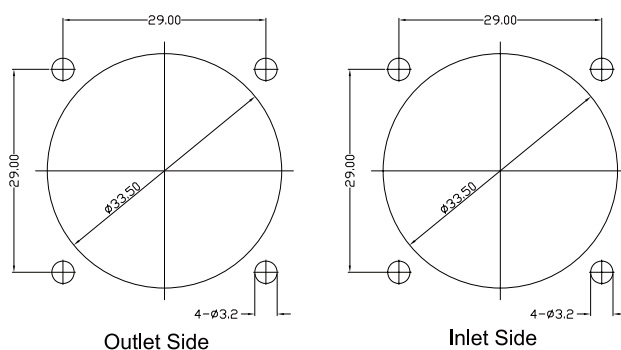
35x35x10 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 10.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD3510L05	5	4.0~5.75	0.18	5000	0.09	3.10	2.70	0.11	20.5
HD3510M05	5	4.0~5.75	0.25	8000	0.14	4.90	4.90	0.19	28.4
HD3510H05	5	4.0~5.75	0.35	11000	0.17	6.10	7.60	0.30	35.8
HD3510L12	12	7.0~13.8	0.09	5000	0.09	3.10	2.70	0.11	20.5
HD3510M12	12	7.0~13.8	0.13	8000	0.14	4.90	4.90	0.19	28.4
HD3510H12	12	7.0~13.8	0.18	11000	0.17	6.10	7.60	0.30	35.8
HD3510L24	24	14.0~27.6	0.06	5000	0.09	3.10	2.70	0.11	20.5
HD3510M24	24	14.0~27.6	0.09	8000	0.14	4.90	4.90	0.19	28.4
HD3510H24	24	14.0~27.6	0.13	11000	0.17	6.10	7.60	0.30	35.8

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

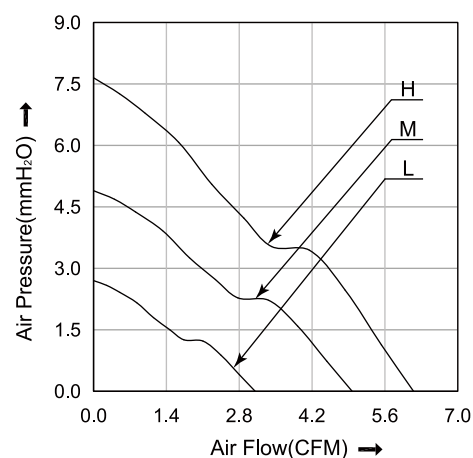
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



■ P&Q Curve

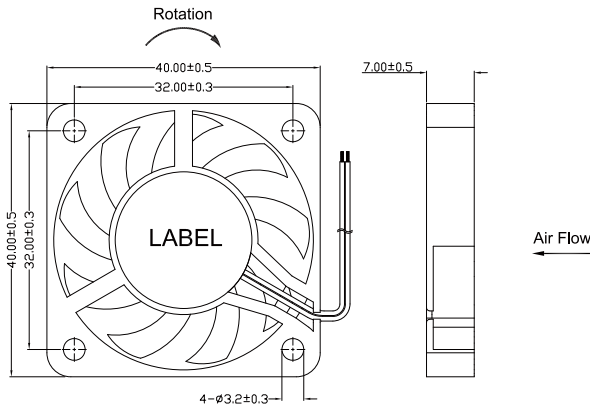


40x40x7 mm

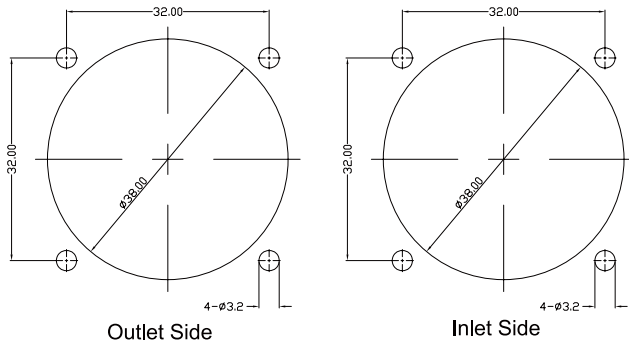
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 10.0g



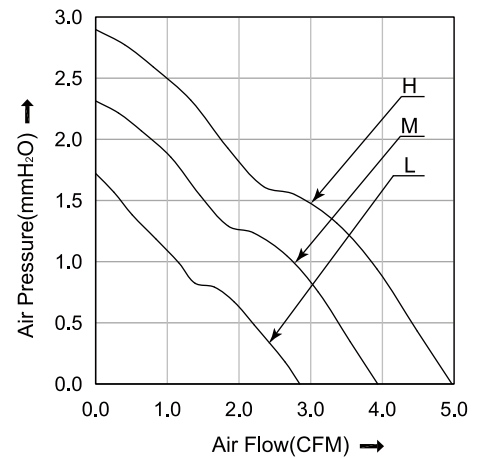
■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ P&Q Curve



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HD4007L05	5	4.0~5.75	0.18	4000	0.07	2.60	1.80	0.07	21.7
HD4007M05	5	4.0~5.75	0.25	5000	0.11	3.90	2.30	0.09	26.3
HD4007H05	5	4.0~5.75	0.35	6000	0.14	4.90	2.90	0.11	30.5
HD4007L12	12	7.0~13.8	0.09	4000	0.07	2.60	1.80	0.07	21.7
HD4007M12	12	7.0~13.8	0.13	5000	0.11	3.90	2.30	0.09	26.3
HD4007H12	12	7.0~13.8	0.18	6000	0.14	4.90	2.90	0.11	30.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

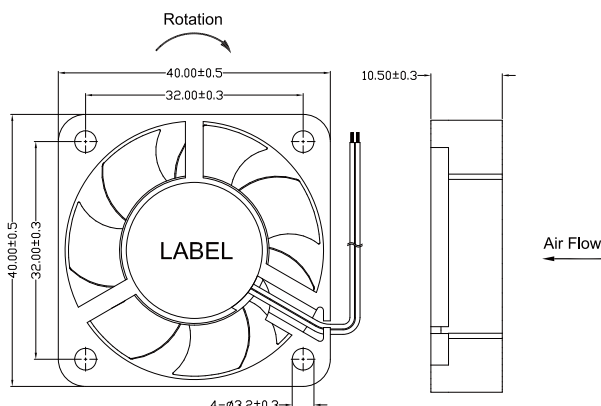
A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input

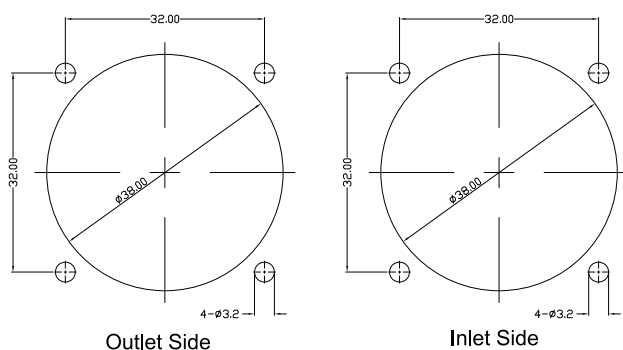
40x40x10 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 16.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD4010L05	5	4.0~5.75	0.18	5000	0.13	4.60	3.50	0.14	24.7
HD4010M05	5	4.0~5.75	0.25	6000	0.15	5.20	4.30	0.17	29.0
HD4010H05	5	4.0~5.75	0.35	7000	0.20	6.90	5.50	0.22	34.5
HD4010L12	12	7.0~13.8	0.09	5000	0.13	4.60	3.50	0.14	24.7
HD4010M12	12	7.0~13.8	0.13	6000	0.15	5.20	4.30	0.17	29.0
HD4010H12	12	7.0~13.8	0.18	7000	0.20	6.90	5.50	0.22	34.5
HD4010L24	24	14.0~27.6	0.04	5000	0.13	4.60	3.50	0.14	24.7
HD4010M24	24	14.0~27.6	0.06	6000	0.15	5.20	4.30	0.17	29.0
HD4010H24	24	14.0~27.6	0.09	7000	0.20	6.90	5.50	0.22	34.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

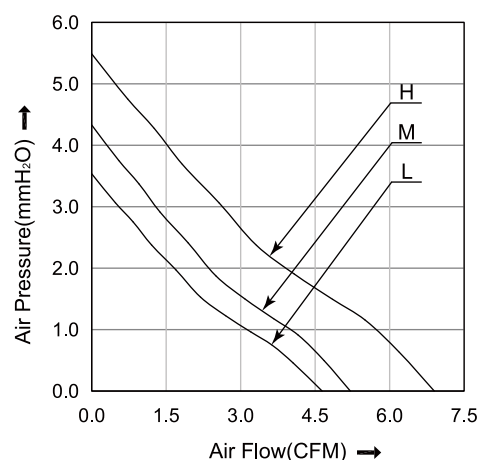
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



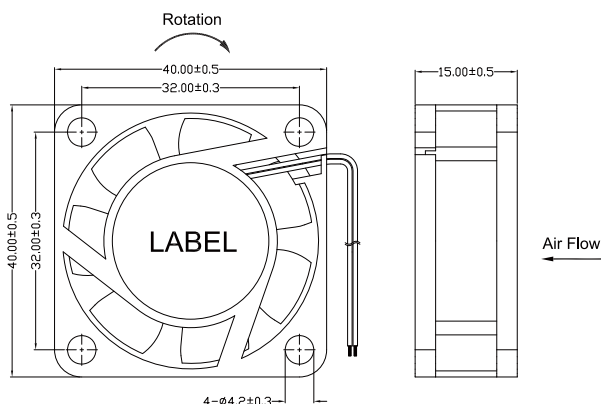
■ P&Q Curve



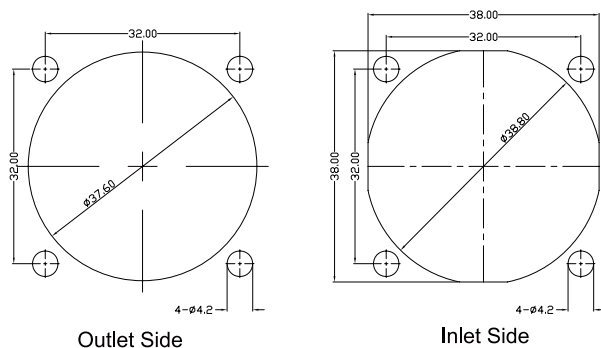
40x40x15 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 21.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD4015L05	5	4.0~5.75	0.23	4500	0.10	3.70	3.40	0.13	22.3
HD4015M05	5	4.0~5.75	0.30	5500	0.13	4.50	3.80	0.15	23.7
HD4015H05	5	4.0~5.75	0.40	6500	0.16	5.60	5.10	0.20	27.1
HD4015L12	12	7.0~13.8	0.13	4500	0.10	3.70	3.40	0.13	22.3
HD4015M12	12	7.0~13.8	0.18	5500	0.13	4.50	3.80	0.15	23.7
HD4015H12	12	7.0~13.8	0.21	6500	0.16	5.60	5.10	0.20	27.1
HD4015L24	24	14.0~27.6	0.06	4500	0.10	3.70	3.40	0.13	22.3
HD4015M24	24	14.0~27.6	0.09	5500	0.13	4.50	3.80	0.15	23.7
HD4015H24	24	14.0~27.6	0.13	6500	0.16	5.60	5.10	0.20	27.1

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

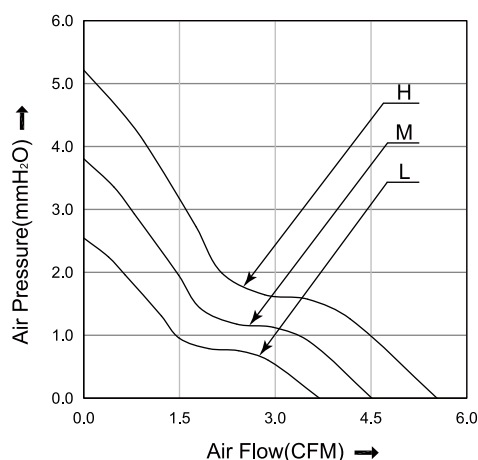
Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



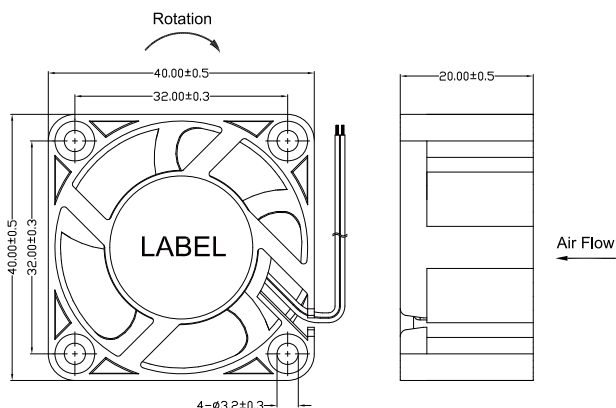
■ P&Q Curve



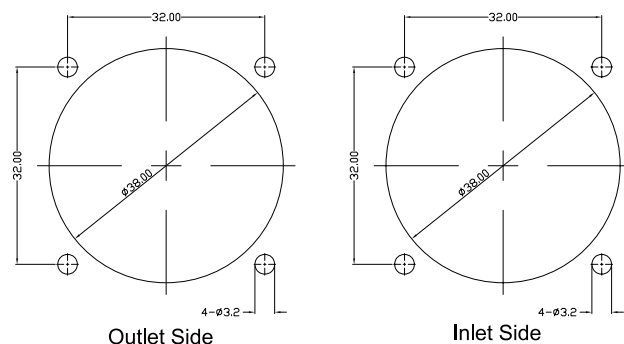
40x40x20 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 24.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD4020L05	5	4.0~5.75	0.18	6000	0.14	4.90	4.40	0.17	29.2
HD4020M05	5	4.0~5.75	0.23	7500	0.19	6.70	6.40	0.25	33.5
HD4020H05	5	4.0~5.75	0.30	9000	0.24	8.40	9.10	0.36	38.8
HD4020L12	12	7.0~13.8	0.09	6000	0.14	4.90	4.40	0.17	29.2
HD4020M12	12	7.0~13.8	0.13	7500	0.19	6.70	6.40	0.25	33.5
HD4020H12	12	7.0~13.8	0.18	9000	0.24	8.40	9.10	0.36	38.8
HD4020U12	12	7.0~13.8	0.30	12000	0.29	10.20	12.40	0.49	46.4
HD4020L24	24	14.0~27.6	0.06	6000	0.14	4.90	4.40	0.17	29.2
HD4020M24	24	14.0~27.6	0.09	7500	0.19	6.70	6.40	0.25	33.5
HD4020H24	24	14.0~27.6	0.13	9000	0.24	8.40	9.10	0.36	38.8
HD4020U24	24	14.0~27.6	0.18	12000	0.29	10.20	12.40	0.49	46.4

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

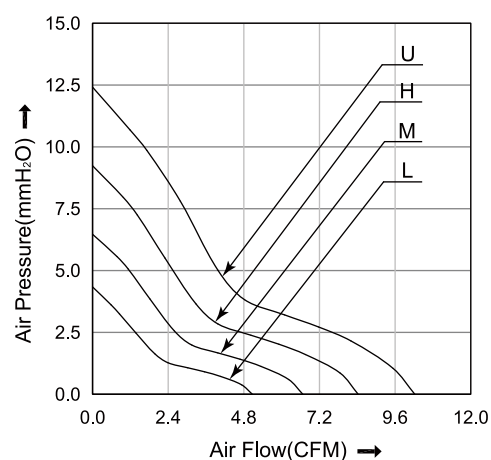
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



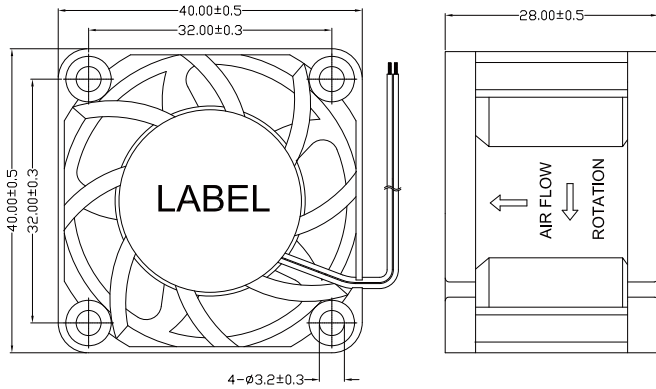
■ P&Q Curve



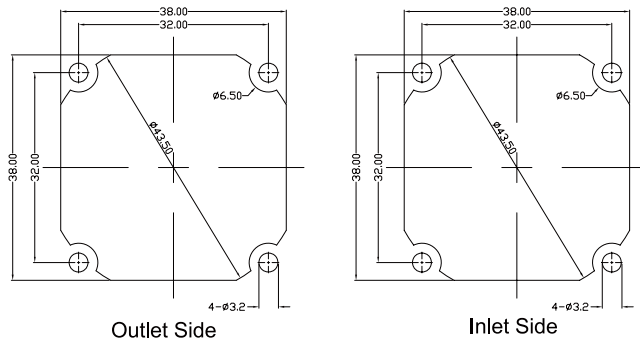
40x40x28 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 26.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD4028L05	5	4.0~5.75	0.40	9000	0.24	13.70	12.60	0.41	38.30
HD4028M05	5	4.0~5.75	0.60	12000	0.30	16.15	18.77	0.79	42.80
HD4028H05	5	4.0~5.75	0.90	15000	0.39	20.19	29.33	1.36	47.64
HD4028U05	5	4.0~5.75	1.45	20000	0.47	22.36	50.50	2.65	53.89
HD4028L12	12	7.0~13.8	0.23	9000	0.24	13.70	12.60	0.41	38.30
HD4028M12	12	7.0~13.8	0.35	12000	0.30	16.15	18.77	0.79	42.80
HD4028H12	12	7.0~13.8	0.55	15000	0.39	20.19	29.33	1.36	47.64
HD4028U12	12	7.0~13.8	0.80	20000	0.50	22.36	50.50	2.65	53.89
HD4028L24	24	14.0~27.6	0.15	9000	0.24	13.70	12.60	0.41	38.30
HD4028M24	24	14.0~27.6	0.20	12000	0.30	16.15	18.77	0.79	42.80
HD4028H24	24	14.0~27.6	0.33	15000	0.39	20.19	29.33	1.36	47.64
HD4028U24	24	14.0~27.6	0.50	20000	0.50	22.36	50.50	2.65	53.89

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

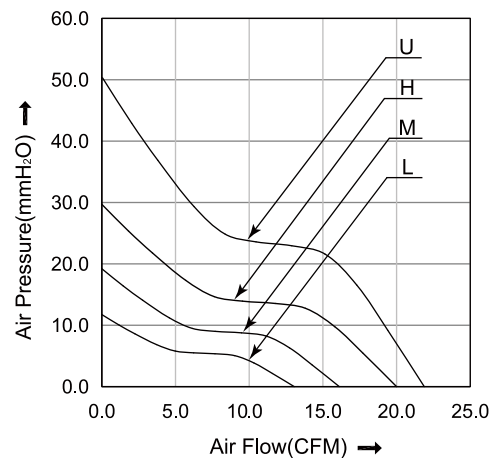
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



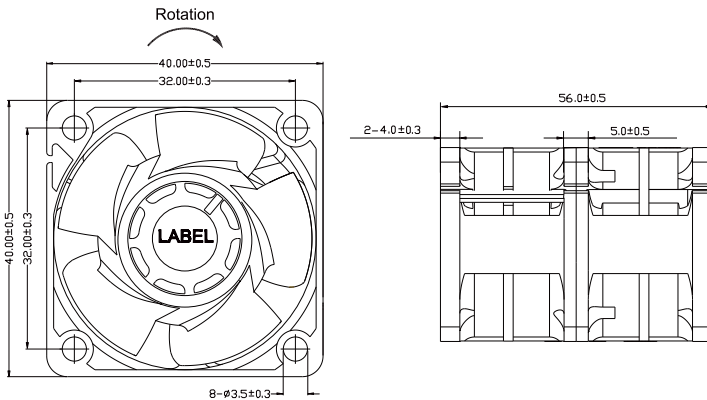
■ P&Q Curve



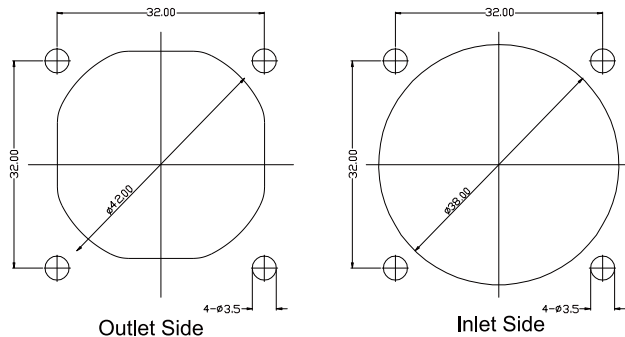
40x40x56 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 17.0g

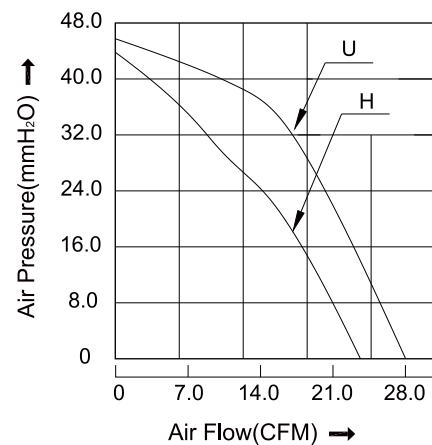
■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ P&Q Curve



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HD4056H12	12	7.0~13.2	1.02	16200/7800	0.659	23.29	44.41	1.748	58.5
HD4056U12	12	7.0~13.2	1.40	16200/12000	0.762	26.92	45.76	1.802	62.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

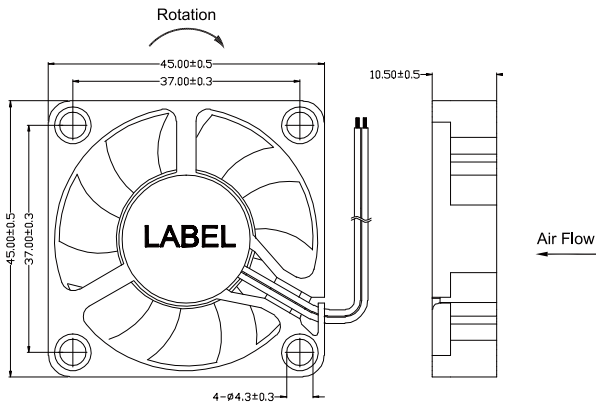
Q:Alarm/low S:Alarm/high-low

W:PWM Control input

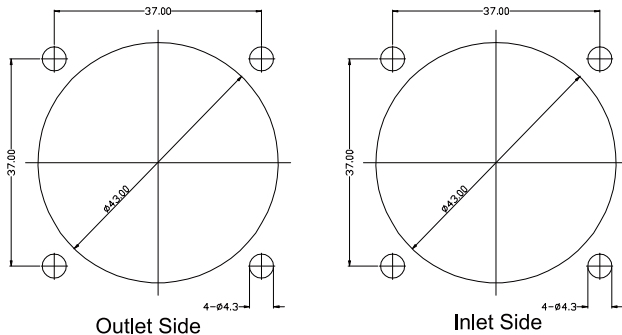
45x45x10 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 17.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	
HD4510L05	5	4.0~5.75	0.13	4500	0.20	7.20	3.50	0.14	25.5
HD4510M05	5	4.0~5.75	0.18	5500	0.23	8.10	4.30	0.17	30.5
HD4510H05	5	4.0~5.75	0.23	6500	0.26	9.10	5.40	0.21	34.0
HD4510L12	12	7.0~13.8	0.09	4500	0.20	7.20	3.50	0.14	25.5
HD4510M12	12	7.0~13.8	0.13	5500	0.23	8.10	4.30	0.17	30.5
HD4510H12	12	7.0~13.8	0.18	6500	0.26	9.10	5.40	0.21	34.0
HD4510L24	24	14.0~27.6	0.06	4500	0.20	7.20	3.50	0.14	25.5
HD4510M24	24	14.0~27.6	0.09	5500	0.23	8.10	4.30	0.17	30.5
HD4510H24	24	14.0~27.6	0.13	6500	0.26	9.10	5.40	0.21	34.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

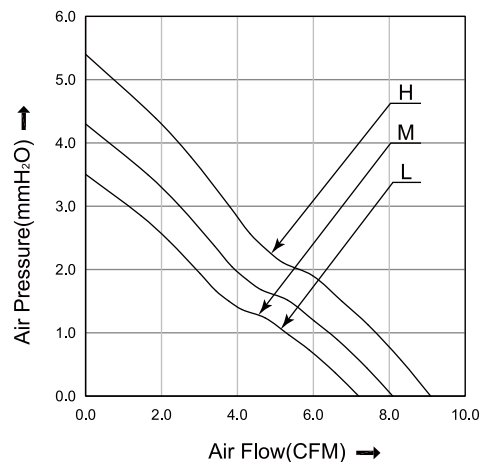
Function description:

A:3rd Pulse Wire F:Tachometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



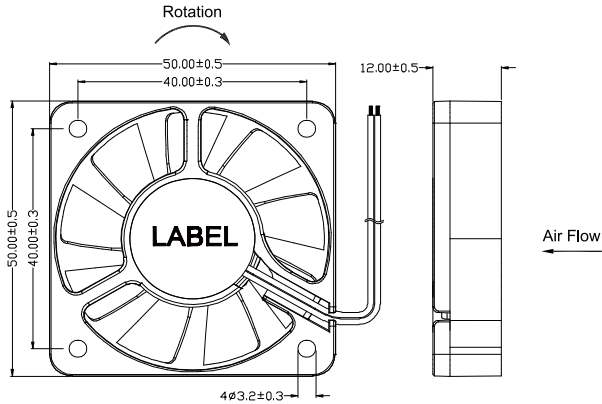
■ P&Q Curve



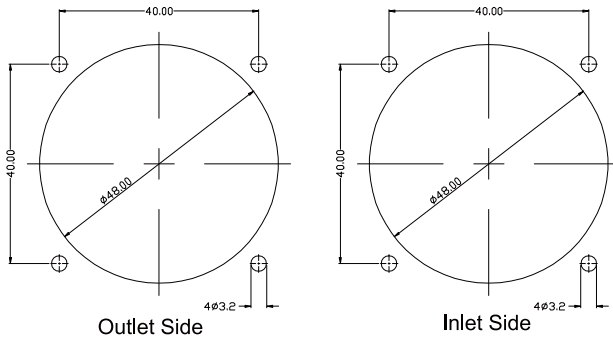
50x50x10 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 20.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD5010L05	5	4.0~5.75	0.13	3500	0.25	9.00	2.00	0.08	20.0
HD5010M05	5	4.0~5.75	0.18	4500	0.35	12.30	3.40	0.13	26.0
HD5010H05	5	4.0~5.75	0.30	5500	0.42	14.70	5.00	0.20	30.5
HD5010L12	12	7.0~13.8	0.09	3500	0.25	9.00	2.00	0.08	20.0
HD5010M12	12	7.0~13.8	0.13	4500	0.35	12.30	3.40	0.13	26.0
HD5010H12	12	7.0~13.8	0.18	5500	0.42	14.70	5.00	0.20	30.5
HD5010L24	24	14.0~27.6	0.06	3500	0.25	9.00	2.00	0.08	20.5
HD5010M24	24	14.0~27.6	0.09	4500	0.35	12.30	3.40	0.13	26.0
HD5010H24	24	14.0~27.6	0.13	5500	0.42	14.70	5.00	0.20	30.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

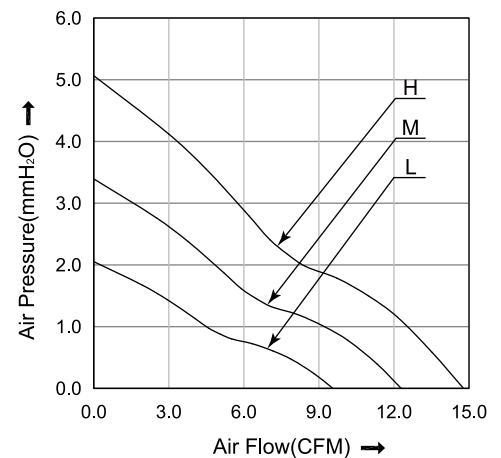
Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



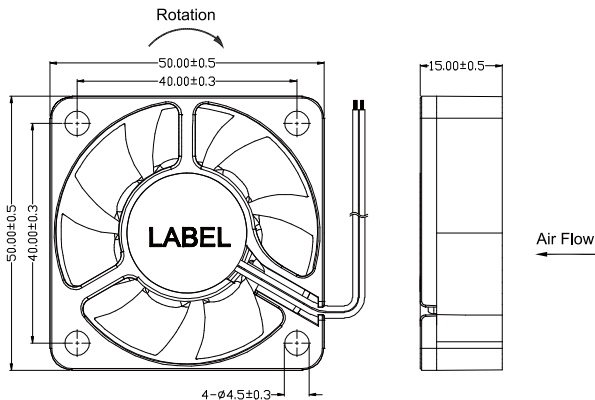
■ P&Q Curve



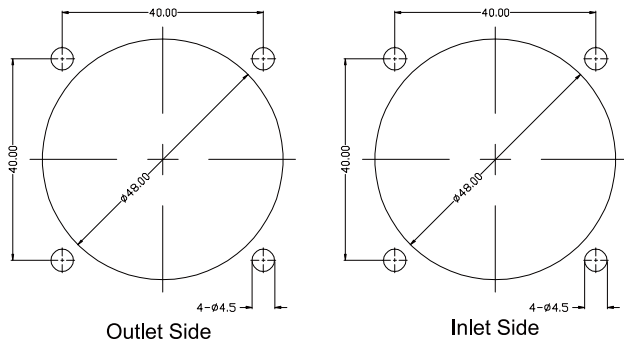
50x50x15 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 28.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	
HD5015L05	5	4.0~5.75	0.20	3500	0.20	7.10	2.70	0.11	23.3
HD5015M05	5	4.0~5.75	0.30	4500	0.24	8.50	3.40	0.13	30.5
HD5015H05	5	4.0~5.75	0.40	5500	0.29	10.10	4.30	0.17	36.3
HD5015L12	12	7.0~13.8	0.09	3500	0.20	7.10	2.70	0.11	23.3
HD5015M12	12	7.0~13.8	0.13	4500	0.24	8.50	3.40	0.13	30.5
HD5015H12	12	7.0~13.8	0.18	5500	0.29	10.10	4.30	0.17	36.3
HD5015L24	24	14.0~27.6	0.06	3500	0.20	7.10	2.70	0.11	23.3
HD5015M24	24	14.0~27.6	0.09	4500	0.24	8.50	3.40	0.13	30.5
HD5015H24	24	14.0~27.6	0.13	5500	0.29	10.10	4.30	0.17	36.3

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

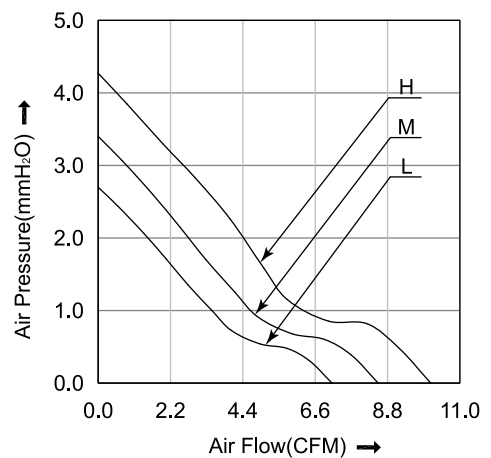
Function description:

A:3rd Pulse Wire F:Tachometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



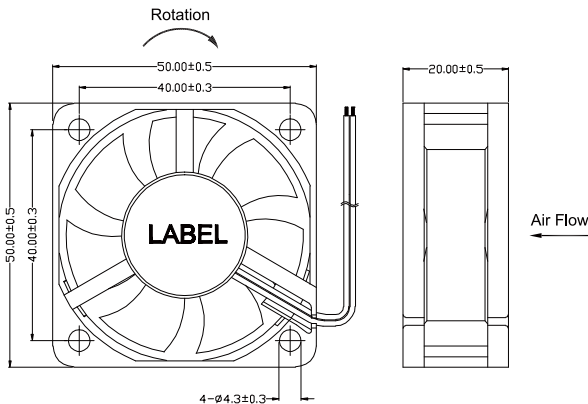
■ P&Q Curve



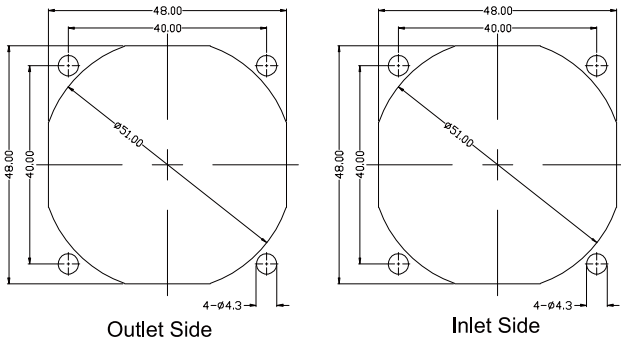
50x50x20 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 32.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD5020L05	5	4.0~5.75	0.23	4000	0.36	12.60	3.90	0.15	26.0
HD5020M05	5	4.0~5.75	0.27	5000	0.44	15.50	5.30	0.21	31.5
HD5020H05	5	4.0~5.75	0.35	6000	0.54	18.90	7.10	0.28	37.5
HD5020L12	12	7.0~13.8	0.13	4000	0.36	12.60	3.90	0.15	26.0
HD5020M12	12	7.0~13.8	0.18	5000	0.44	15.50	5.30	0.21	31.5
HD5020H12	12	7.0~13.8	0.23	6000	0.54	18.90	7.10	0.28	37.5
HD5020L24	24	14.0~27.6	0.06	4000	0.36	12.60	3.90	0.15	26.0
HD5020M24	24	14.0~27.6	0.09	5000	0.44	15.50	5.30	0.21	31.5
HD5020H24	24	14.0~27.6	0.13	6000	0.54	18.90	7.10	0.28	37.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

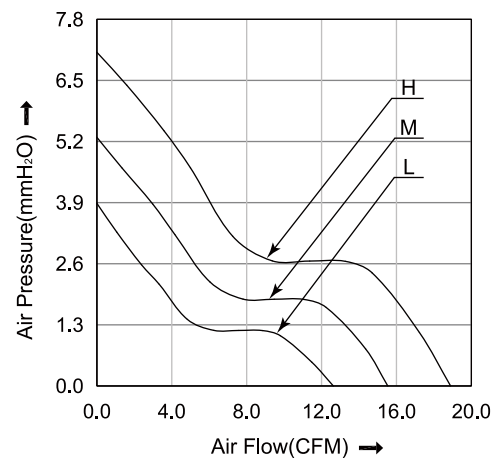
Function description:

A:3rd Pulse Wire F:Tachometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



■ P&Q Curve

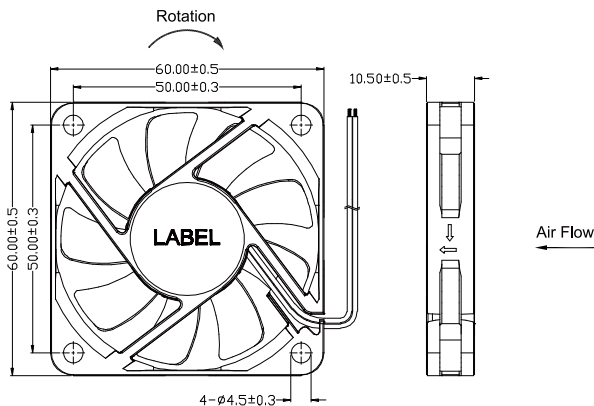


60x60x10 mm

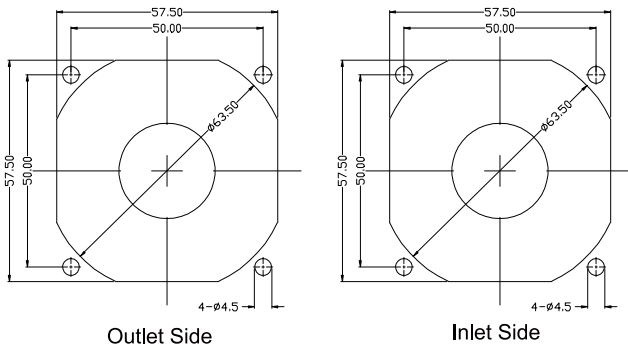
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 24.0g



■ Dimensions(Unit:mm)



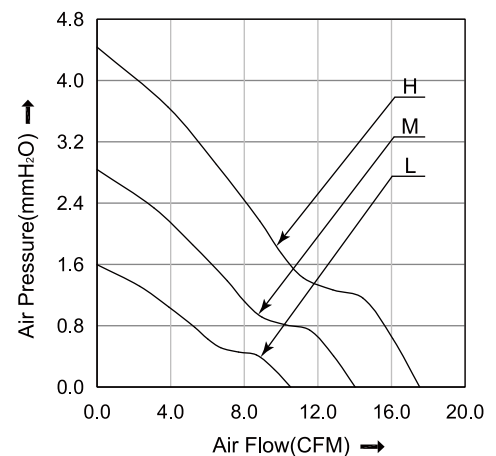
■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HD6010L05	5	4.0~5.75	0.21	3000	0.30	10.50	1.60	0.06	22.5
HD6010M05	5	4.0~5.75	0.35	4000	0.40	14.00	2.80	0.11	29.0
HD6010L12	12	7.0~13.8	0.13	3000	0.30	10.50	1.60	0.06	22.5
HD6010M12	12	7.0~13.8	0.18	4000	0.40	14.00	2.80	0.11	29.0
HD6010H12	12	7.0~13.8	0.23	5000	0.50	17.50	4.40	0.17	34.0
HD6010L24	24	14.0~27.6	0.06	3000	0.30	10.50	1.60	0.06	22.5
HD6010M24	24	14.0~27.6	0.09	4000	0.40	14.00	2.80	0.11	29.0
HD6010H24	24	14.0~27.6	0.13	5000	0.50	17.50	4.40	0.17	34.0

■ P&Q Curve



Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

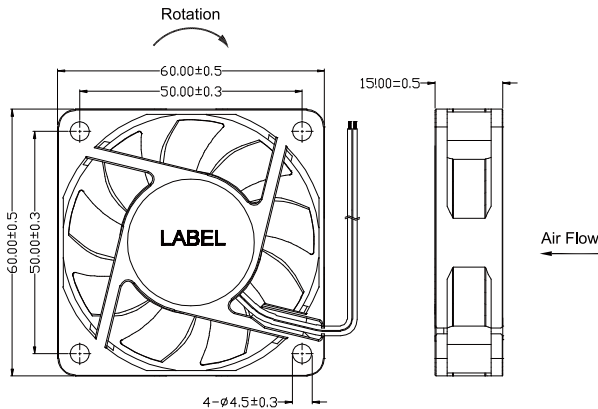
A:3rd Pulse Wire F:Tachometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input

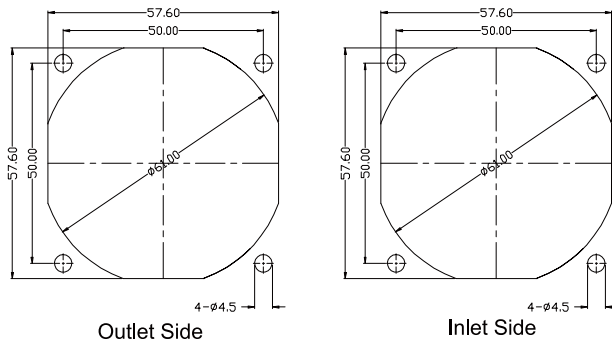
60x60x15 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 30.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD6015L05	5	4.0~5.75	0.30	3500	0.42	14.70	3.20	0.13	26.0
HD6015M05	5	4.0~5.75	0.45	4500	0.54	18.90	5.30	0.21	32.5
HD6015L12	12	7.0~13.8	0.15	3500	0.42	14.70	3.20	0.13	26.0
HD6015M12	12	7.0~13.8	0.21	4500	0.54	18.90	5.30	0.21	32.5
HD6015H12	12	7.0~13.8	0.30	5500	0.65	22.80	7.40	0.29	37.5
HD6015L24	24	14.0~27.6	0.09	3500	0.42	14.70	3.20	0.13	26.0
HD6015M24	24	14.0~27.6	0.13	4500	0.54	18.90	5.30	0.21	32.5
HD6015H24	24	14.0~27.6	0.18	5500	0.65	22.80	7.40	0.29	37.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

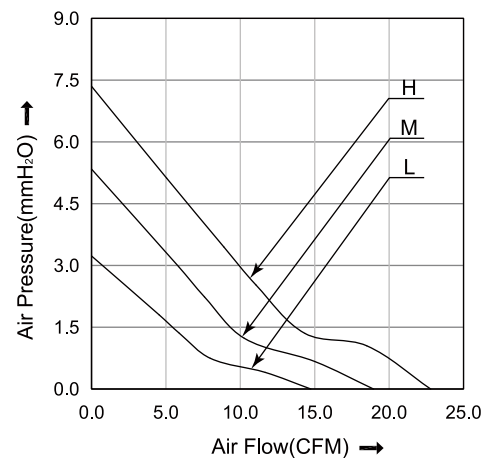
Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



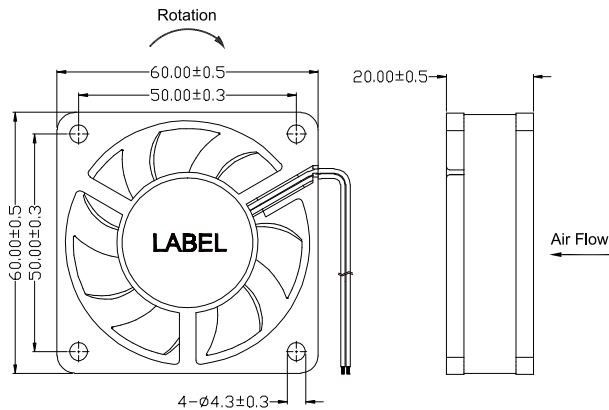
■ P&Q Curve



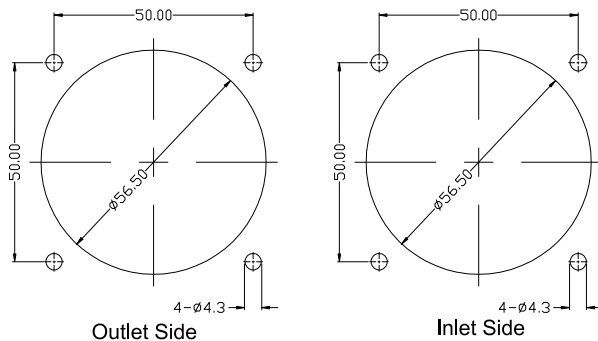
60x60x20 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 48.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD6020L05	5	4.0~5.75	0.30	3000	0.36	12.70	1.70	0.07	24.0
HD6020M05	5	4.0~5.75	0.40	4000	0.48	16.90	3.10	0.12	30.5
HD6020H05	5	4.0~5.75	0.60	5000	0.58	20.50	4.70	0.19	37.0
HD6020L12	12	7.0~13.8	0.14	3000	0.36	12.70	1.70	0.07	24.0
HD6020M12	12	7.0~13.8	0.18	4000	0.48	16.90	3.10	0.12	30.5
HD6020H12	12	7.0~13.8	0.32	5000	0.58	20.50	4.70	0.19	37.0
HD6020U12	12	7.0~13.8	0.50	8000	0.91	32.10	12.40	0.49	49.5
HD6020L24	24	14.0~27.6	0.09	3000	0.36	12.70	1.70	0.07	24.0
HD6020M24	24	14.0~27.6	0.14	4000	0.48	16.90	3.10	0.12	30.5
HD6020H24	24	14.0~27.6	0.18	5000	0.58	20.50	4.70	0.19	37.0
HD6020U24	24	14.0~27.6	0.30	8000	0.91	32.10	12.40	0.49	49.5
HD6020L48	48	28.0~56.0	0.06	3000	0.36	12.70	1.70	0.07	24.0
HD6020M48	48	28.0~56.0	0.09	4000	0.48	16.90	3.10	0.12	30.5
HD6020H48	48	28.0~56.0	0.14	5000	0.58	20.50	4.70	0.19	37.0
HD6020U48	48	28.0~56.0	0.18	8000	0.91	32.10	12.40	0.49	49.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

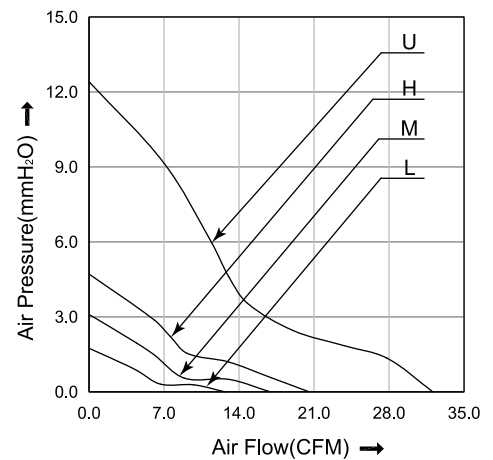
Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



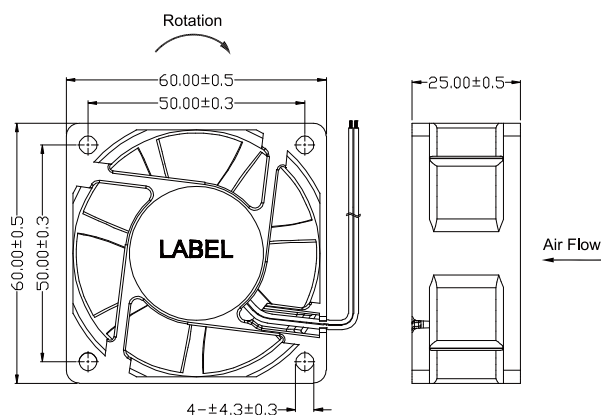
■ P&Q Curve



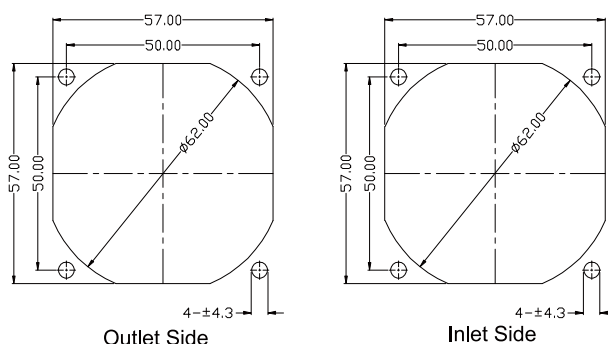
60x60x25 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 56.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD6025L05	5	4.0~5.75	0.40	4000	0.45	15.80	5.50	0.22	29.7
HD6025M05	5	4.0~5.75	0.50	5000	0.63	22.30	7.90	0.31	36.2
HD6025H05	5	4.0~5.75	0.70	6000	0.72	25.40	11.10	0.44	41.3
HD6025L12	12	7.0~13.8	0.18	4000	0.45	15.80	5.50	0.22	29.7
HD6025M12	12	7.0~13.8	0.23	5000	0.63	22.30	7.90	0.31	36.2
HD6025H12	12	7.0~13.8	0.32	6000	0.72	25.40	11.10	0.44	41.3
HD6025U12	12	7.0~13.8	0.50	8000	0.99	35.00	19.00	0.75	48.7
HD6025L24	24	14.0~27.6	0.09	4000	0.45	15.80	5.50	0.22	29.7
HD6025M24	24	14.0~27.6	0.14	5000	0.63	22.30	7.90	0.31	36.2
HD6025H24	24	14.0~27.6	0.21	6000	0.72	25.40	11.10	0.44	41.3
HD6025U24	24	14.0~27.6	0.30	8000	0.99	35.00	19.00	0.75	48.7
HD6025L48	48	28.0~56.0	0.06	4000	0.45	15.80	5.50	0.22	29.7
HD6025M48	48	28.0~56.0	0.09	5000	0.63	22.30	7.90	0.31	36.2
HD6025H48	48	28.0~56.0	0.14	6000	0.72	25.40	11.10	0.44	41.3
HD6025U48	48	28.0~56.0	0.18	8000	0.99	35.00	19.00	0.75	48.7

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

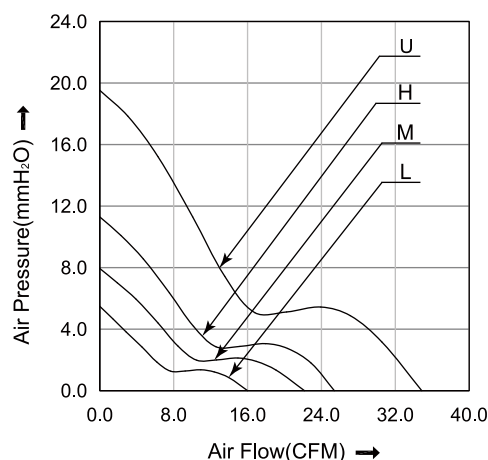
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



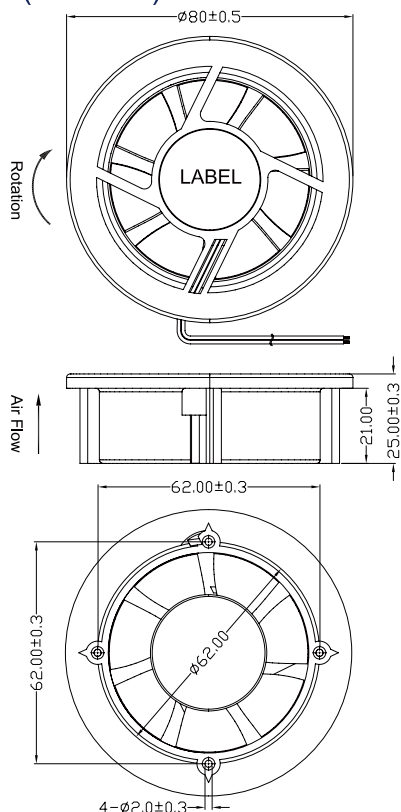
■ P&Q Curve



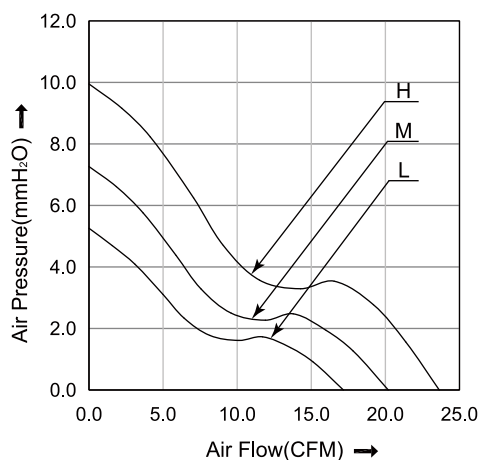
φ60x25 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 52.0g

■ Dimensions(Unit:mm)



■ P&Q Curve



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HD6025L05	5	4.0~5.75	0.40	4000	0.48	17.10	5.30	0.21	23.3
HD6025M05	5	4.0~5.75	0.50	5000	0.57	20.20	7.20	0.28	34.7
HD6025H05	5	4.0~5.75	0.70	6000	0.67	23.60	9.80	0.39	40.3
HD6025L12	12	7.0~13.8	0.18	4000	0.48	17.10	5.30	0.21	23.3
HD6025M12	12	7.0~13.8	0.23	5000	0.57	20.20	7.20	0.28	34.7
HD6025H12	12	7.0~13.8	0.32	6000	0.67	23.60	9.80	0.39	40.3
HD6025L24	24	14.0~27.6	0.09	4000	0.48	17.10	5.30	0.21	23.3
HD6025M24	24	14.0~27.6	0.14	5000	0.57	20.20	7.20	0.28	34.7
HD6025H24	24	14.0~27.6	0.21	6000	0.67	23.60	9.80	0.39	40.3
HD6025L48	48	28.0~56.0	0.06	4000	0.48	17.10	5.30	0.21	23.3
HD6025M48	48	28.0~56.0	0.09	5000	0.57	20.20	7.20	0.28	34.7
HD6025H48	48	28.0~56.0	0.14	6000	0.67	23.60	9.80	0.39	40.3

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

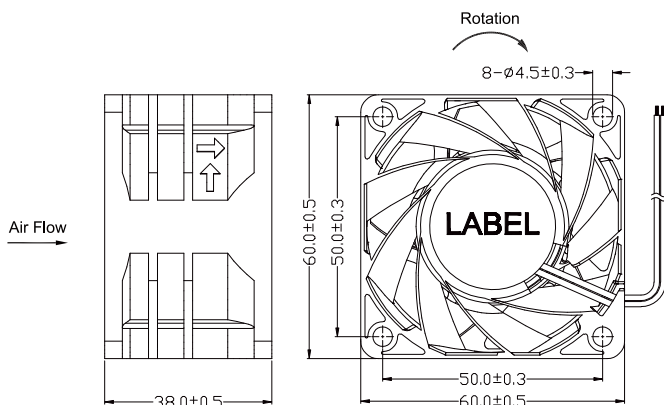
Q:Alarm/low S:Alarm/high-low

W:PWM Control input

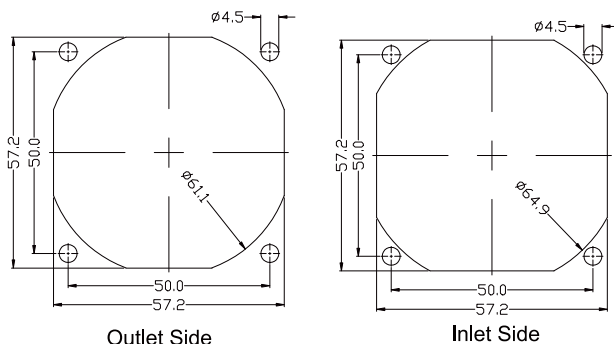
60x60x38 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 110.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD6038L12	12	7.0~13.8	0.40	6500	0.85	30.20	17.10	0.67	42.5
HD6038M12	12	7.0~13.8	0.65	9000	1.23	43.40	30.40	1.20	48.5
HD6038H12	12	7.0~13.8	1.30	11000	1.56	55.00	50.50	1.99	53.5
HD6038L24	24	14.0~27.6	0.20	6500	0.85	30.20	17.10	0.67	42.5
HD6038M24	24	14.0~27.6	0.35	9000	1.23	43.40	30.40	1.20	48.5
HD6038H24	24	14.0~27.6	0.65	11000	1.56	55.00	50.50	1.99	53.5
HD6038L48	48	28.0~56.0	0.13	6500	0.85	30.20	17.10	0.67	42.5
HD6038M48	48	28.0~56.0	0.23	9000	1.23	43.40	30.40	1.20	48.5
HD6038H48	48	28.0~56.0	0.40	11000	1.56	55.00	50.50	1.99	53.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

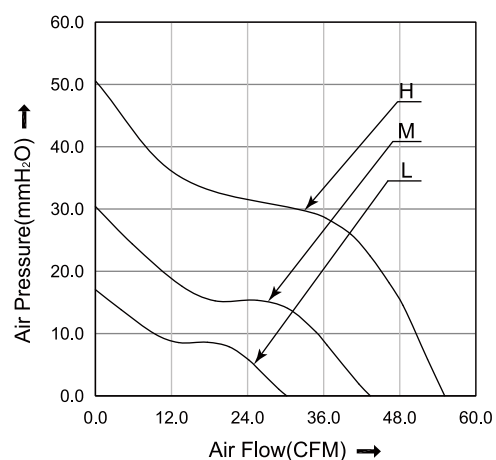
Function description:

A:3rd Pulse Wire F:Tachometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



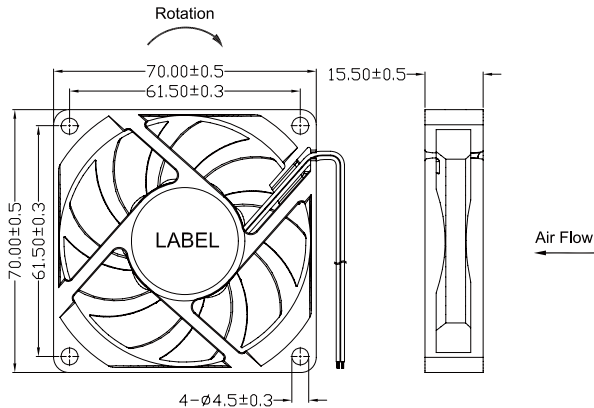
■ P&Q Curve



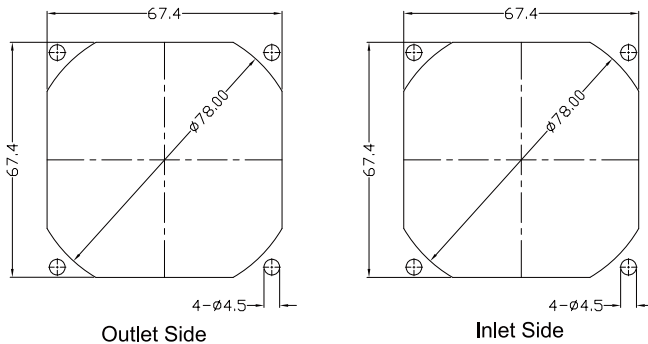
70x70x15 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 42.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD7015L05	5	4.0~5.75	0.30	3000	0.61	21.40	2.10	0.08	26.5
HD7015M05	5	4.0~5.75	0.40	3600	0.76	26.70	3.10	0.12	31.5
HD7015H05	5	4.0~5.75	0.50	4200	0.82	29.10	4.70	0.19	36.0
HD7015L12	12	7.0~13.8	0.18	3000	0.61	21.40	2.10	0.08	26.5
HD7015M12	12	7.0~13.8	0.21	3600	0.76	26.70	3.10	0.12	31.5
HD7015H12	12	7.0~13.8	0.28	4200	0.82	29.10	4.70	0.19	36.0
HD7015L24	24	14.0~27.6	0.09	3000	0.61	21.40	2.10	0.08	26.5
HD7015M24	24	14.0~27.6	0.13	3600	0.76	26.70	3.10	0.12	31.5
HD7015H24	24	14.0~27.6	0.18	4200	0.82	29.10	4.70	0.19	36.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

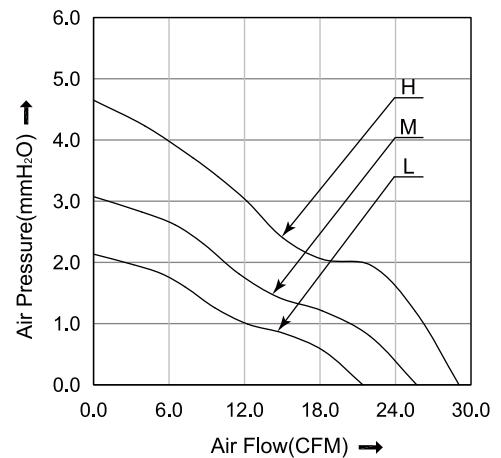
Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



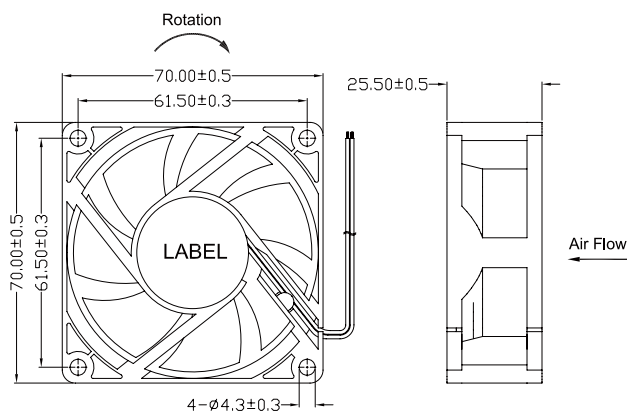
■ P&Q Curve



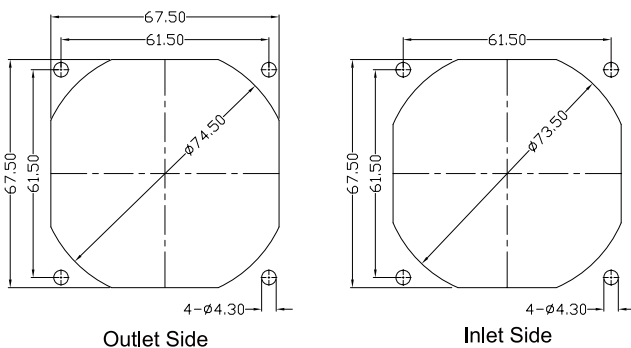
70x70x25 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 60.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD7025L05	5	4.0~5.75	0.35	3000	0.69	24.20	2.90	0.11	28.5
HD7025M05	5	4.0~5.75	0.50	4000	0.91	32.20	5.20	0.20	35.0
HD7025H05	5	4.0~5.75	0.60	5000	1.20	42.30	7.60	0.30	42.5
HD7025L12	12	7.0~13.8	0.18	3000	0.69	24.20	2.90	0.11	28.5
HD7025M12	12	7.0~13.8	0.23	4000	0.91	32.20	5.20	0.20	35.0
HD7025H12	12	7.0~13.8	0.32	5000	1.20	42.30	7.60	0.30	42.5
HD7025L24	24	14.0~27.6	0.10	3000	0.69	24.20	2.90	0.11	28.5
HD7025M24	24	14.0~27.6	0.15	4000	0.91	32.20	5.20	0.20	35.0
HD7025H24	24	14.0~27.6	0.21	5000	1.20	42.30	7.60	0.30	42.5
HD7025L48	48	28.0~56.0	0.06	3000	0.69	24.20	2.90	0.11	28.5
HD7025M48	48	28.0~56.0	0.09	4000	0.91	32.20	5.20	0.20	35.0
HD7025H48	48	28.0~56.0	0.13	5000	1.20	42.30	7.60	0.30	42.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

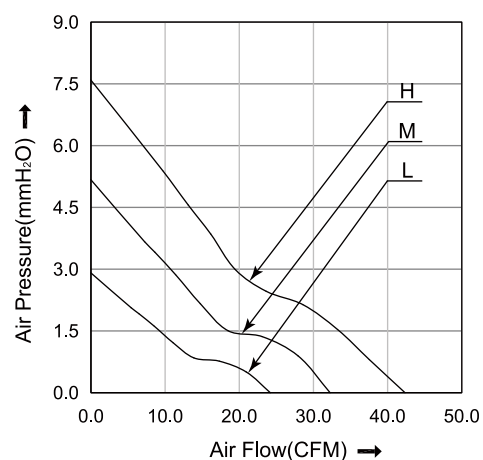
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



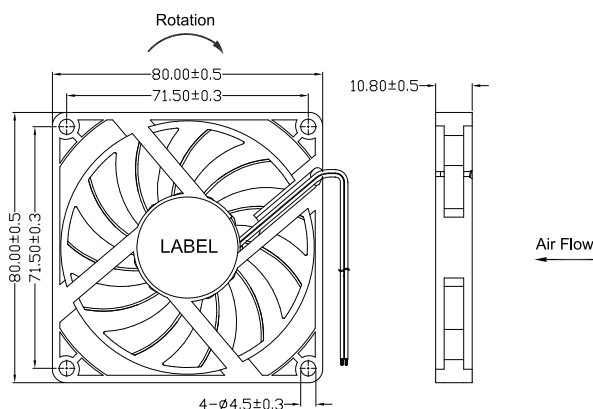
■ P&Q Curve



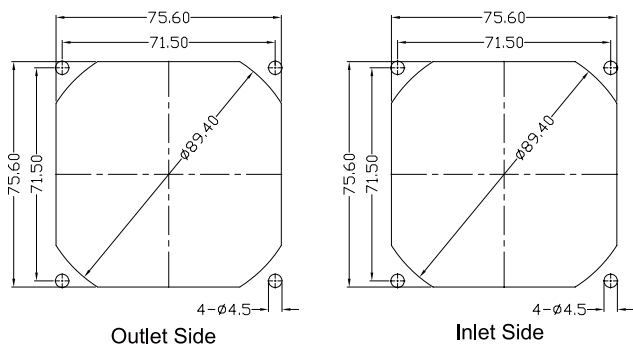
80x80x10 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 60.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD8010L05	5	4.0~5.75	0.20	1800	0.44	15.50	1.90	0.07	18.5
HD8010M05	5	4.0~5.75	0.30	2500	0.60	21.20	2.30	0.09	23.0
HD8010H05	5	4.0~5.75	0.40	3200	0.81	28.60	3.20	0.13	29.0
HD8010L12	12	7.0~13.8	0.09	1800	0.44	15.50	1.90	0.07	18.5
HD8010M12	12	7.0~13.8	0.13	2500	0.60	21.20	2.30	0.09	23.0
HD8010H12	12	7.0~13.8	0.18	3200	0.81	28.60	3.20	0.13	29.0
HD8010L24	24	14.0~27.6	0.06	1800	0.44	15.50	1.90	0.07	18.5
HD8010M24	24	14.0~27.6	0.08	2500	0.60	21.20	2.30	0.09	23.0
HD8010H24	24	14.0~27.6	0.13	3200	0.81	28.60	3.20	0.13	29.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

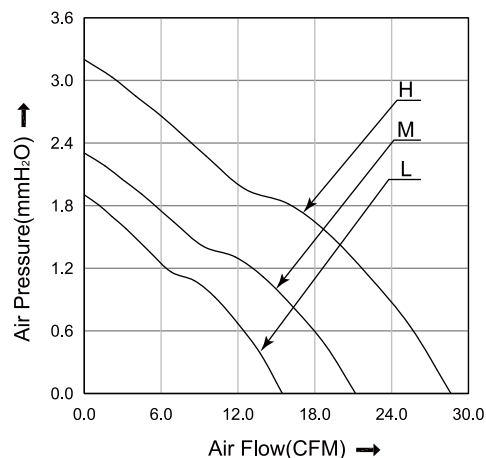
Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



■ P&Q Curve

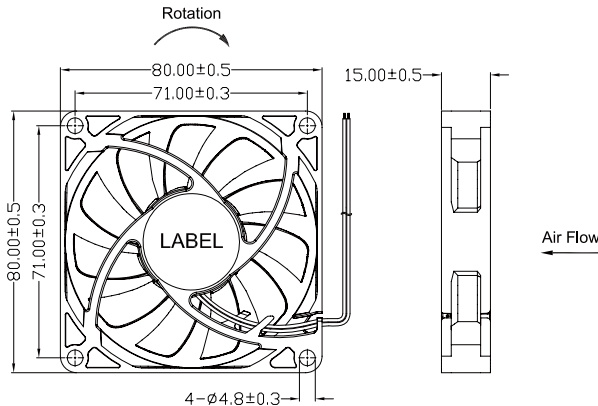


80x80x15 mm

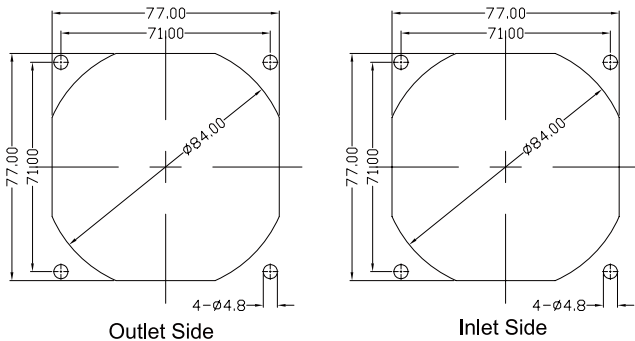
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 34.0g



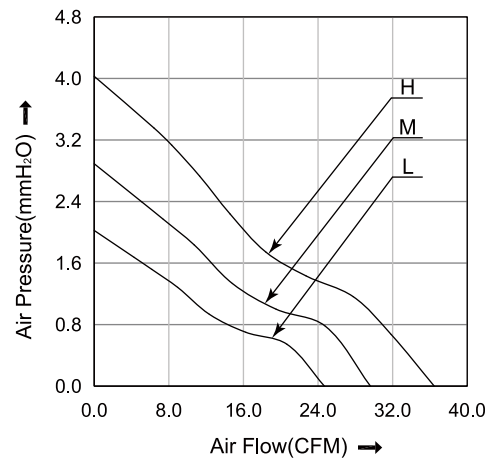
■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ P&Q Curve



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HD8015L05	5	4.0~5.75	0.30	2500	0.70	24.70	2.00	0.08	27.0
HD8015M05	5	4.0~5.75	0.40	3000	0.84	29.60	2.90	0.11	31.5
HD8015H05	5	4.0~5.75	0.50	3500	1.03	36.50	4.00	0.16	35.5
HD8015L12	12	7.0~13.8	0.18	2500	0.70	24.70	2.00	0.08	27.0
HD8015M12	12	7.0~13.8	0.23	3000	0.84	29.60	2.90	0.11	31.5
HD8015H12	12	7.0~13.8	0.32	3500	1.03	36.50	4.00	0.16	35.5
HD8015L24	24	14.0~27.6	0.09	2500	0.70	24.70	2.00	0.08	27.0
HD8015M24	24	14.0~27.6	0.14	3000	0.84	29.60	2.90	0.11	31.5
HD8015H24	24	14.0~27.6	0.18	3500	1.03	36.50	4.00	0.16	35.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire F:Tachometer / Speed Sensor R:Alarm/high

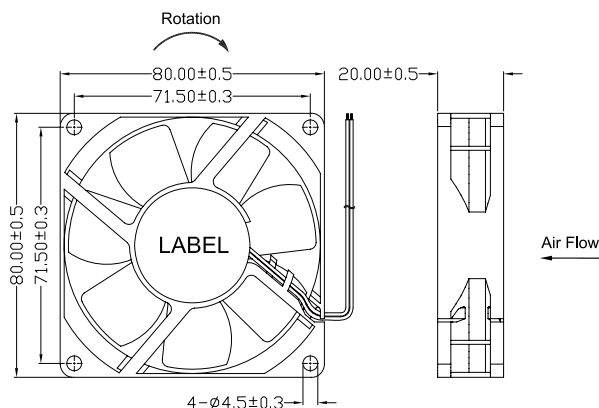
Q:Alarm/low S:Alarm/high-low W:PWM Control input

80x80x20 mm

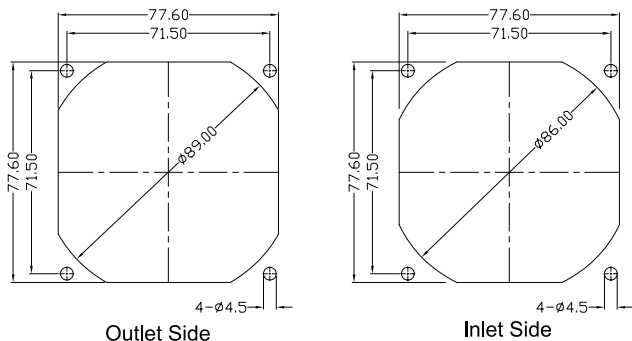
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 52.0g



■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD8020L05	5	4.0~5.75	0.40	2500	0.81	28.60	3.10	0.12	29.5
HD8020M05	5	4.0~5.75	0.60	3200	1.04	36.60	5.10	0.20	35.2
HD8020L12	12	7.0~13.8	0.18	2500	0.81	28.60	3.10	0.12	29.5
HD8020M12	12	7.0~13.8	0.30	3200	1.04	36.60	5.10	0.20	35.2
HD8020H12	12	7.0~13.8	0.40	4000	1.30	45.90	7.60	0.30	40.0
HD8020L24	24	14.0~27.6	0.09	2500	0.81	28.60	3.10	0.12	29.5
HD8020M24	24	14.0~27.6	0.15	3200	1.04	36.60	5.10	0.20	35.2
HD8020H24	24	14.0~27.6	0.21	4000	1.30	45.90	7.60	0.30	40.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

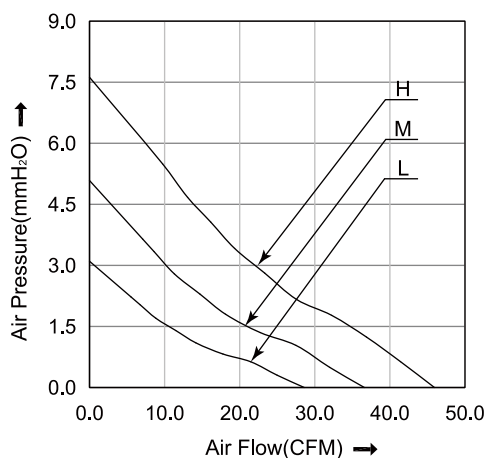
F:Techometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input

■ P&Q Curve

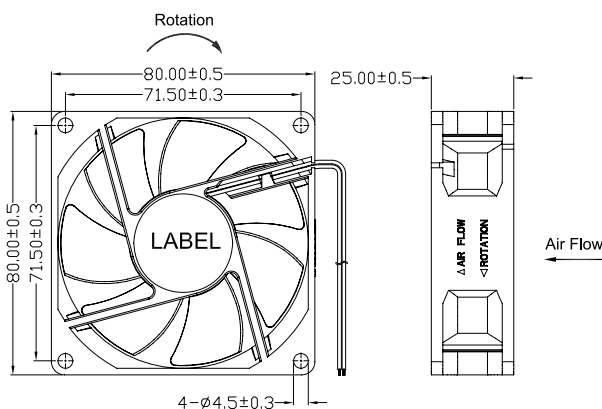


HD8025 SERIES

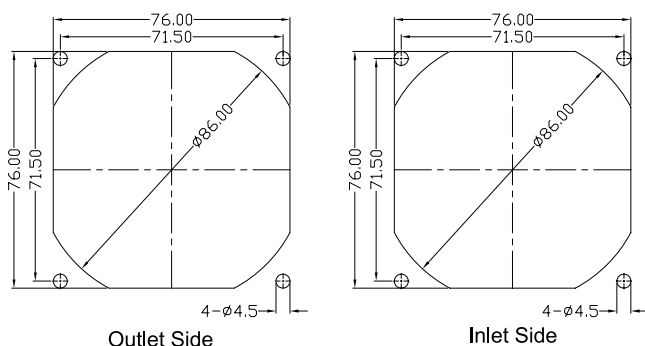
80x80x25 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 68.0g

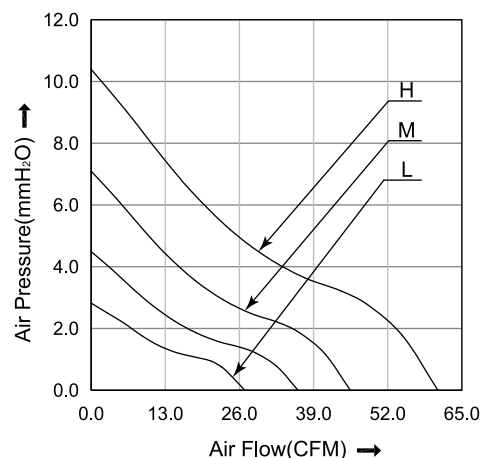
■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ P&Q Curve



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD8025L05	5	4.0~5.75	0.30	2000	0.76	27.00	2.80	0.11	24.0
HD8025M05	5	4.0~5.75	0.50	3000	1.03	36.30	4.50	0.18	33.0
HD8025H05	5	4.0~5.75	0.80	3800	1.29	45.50	7.10	0.28	39.0
HD8025L12	12	7.0~13.8	0.14	2000	0.76	27.00	2.80	0.11	24.0
HD8025M12	12	7.0~13.8	0.23	3000	1.03	36.30	4.50	0.18	33.0
HD8025H12	12	7.0~13.8	0.35	3800	1.29	45.50	7.10	0.28	39.0
HD8025U12	12	7.0~13.8	0.50	4800	1.72	60.80	10.40	0.41	44.5
HD8025L24	24	14.0~27.6	0.09	2000	0.76	27.00	2.80	0.11	24.0
HD8025M24	24	14.0~27.6	0.14	3000	1.03	36.30	4.50	0.18	33.0
HD8025H24	24	14.0~27.6	0.18	3800	1.29	45.50	7.10	0.28	39.0
HD8025U24	24	14.0~27.6	0.35	4800	1.72	60.80	10.40	0.41	44.5
HD8025L48	48	28.0~56.0	0.06	2000	0.76	27.00	2.80	0.11	24.0
HD8025M48	48	28.0~56.0	0.09	3000	1.03	36.30	4.50	0.18	33.0
HD8025H48	48	28.0~56.0	0.13	3800	1.29	45.50	7.10	0.28	39.0
HD8025U48	48	28.0~56.0	0.18	4800	1.72	60.80	10.40	0.41	44.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

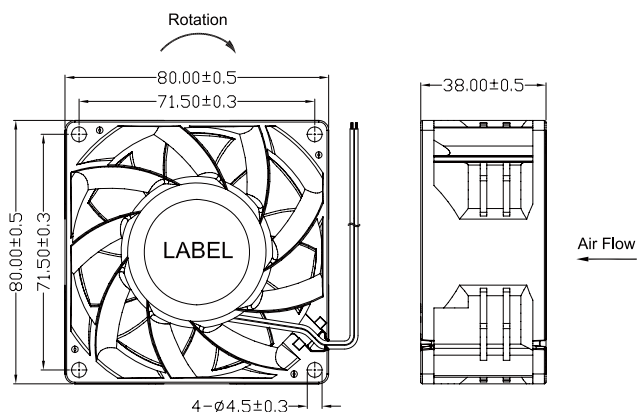
Q:Alarm/low S:Alarm/high-low

W:PWM Control input

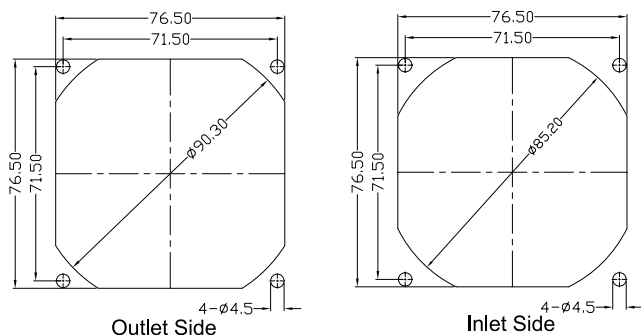
80x80x38 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 185.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	
HD8038L12	12	7.0~13.8	0.50	4500	1.81	63.80	12.40	0.49	49.5
HD8038M12	12	7.0~13.8	1.00	6000	2.34	82.60	21.40	0.84	58.0
HD8038H12	12	7.0~13.8	2.00	7500	2.90	102.40	32.50	1.28	63.5
HD8038U12	12	7.0~13.8	2.80	8500	3.39	119.60	40.80	1.61	66.0
HD8038L24	24	14.0~27.6	0.30	4500	1.81	63.80	12.40	0.49	49.5
HD8038M24	24	14.0~27.6	0.50	6000	2.34	82.60	21.40	0.84	58.0
HD8038H24	24	14.0~27.6	1.00	7500	2.90	102.40	32.50	1.28	63.5
HD8038U24	24	14.0~27.6	1.50	8500	3.39	119.60	40.80	1.61	66.0
HD8038L48	48	28.0~56.0	0.20	4500	1.81	63.80	12.40	0.49	49.5
HD8038M48	48	28.0~56.0	0.30	6000	2.34	82.60	21.40	0.84	58.0
HD8038H48	48	28.0~56.0	0.50	7500	2.90	102.40	32.50	1.28	63.5
HD8038U48	48	28.0~56.0	0.80	8500	3.39	119.60	40.80	1.61	66.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

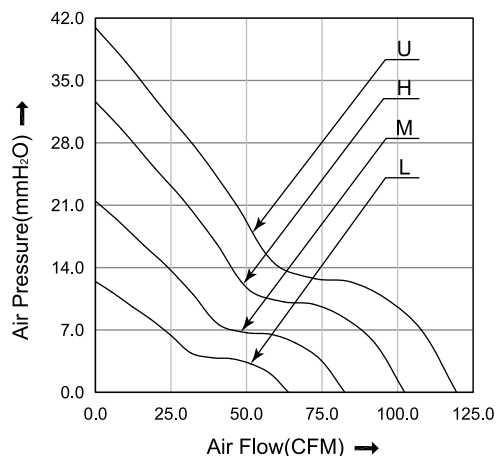
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



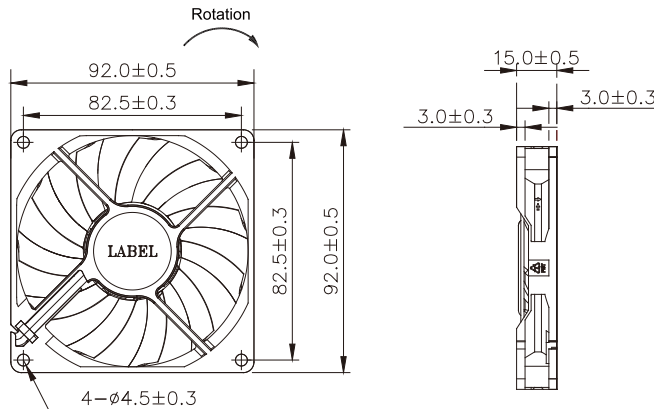
■ P&Q Curve



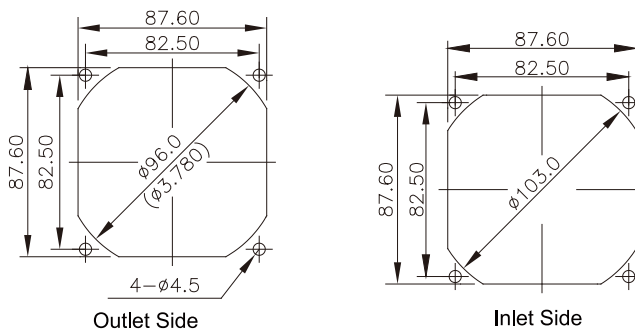
92x92x15 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 90.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)

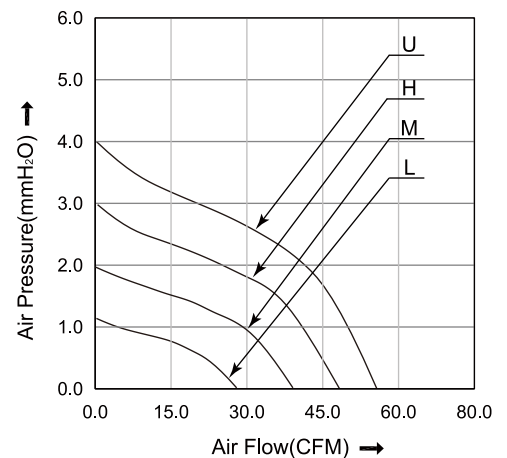


■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD9215L12	12	5.0~13.8	0.10	1800	0.739	26.09	1.16	0.045	25.0
HD9215M12	12	5.0~13.8	0.13	2300	1.035	36.55	2.02	0.079	32.5
HD9215H12	12	5.0~13.8	0.21	2800	1.260	44.49	2.95	0.116	37.5
HD9215U12	12	5.0~12.6	0.31	3300	1.453	51.53	3.96	0.156	41.5



■ P&Q Curve



Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Tachometer / Speed Sensor

R:Alarm/high

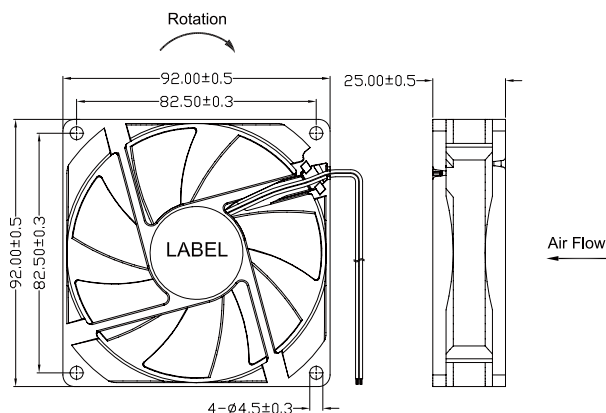
Q:Alarm/low S:Alarm/high-low

W:PWM Control input

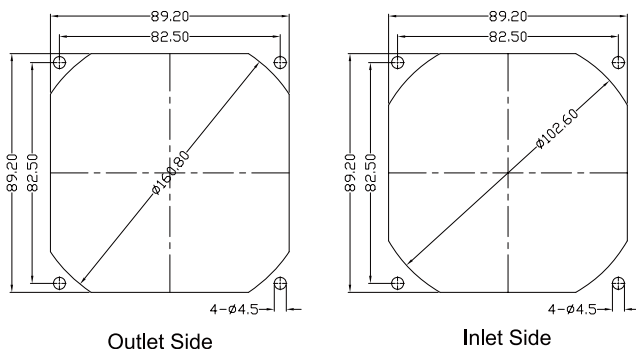
92x92x25 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 90.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD9225L12	12	7.0~13.8	0.18	2000	1.14	40.10	1.90	0.07	26.5
HD9225M12	12	7.0~13.8	0.23	2500	1.42	50.30	3.00	0.12	32.5
HD9225H12	12	7.0~13.8	0.35	3200	1.82	64.20	4.90	0.19	38.5
HD9225U12	12	7.0~13.8	0.50	3800	2.15	76.10	7.20	0.28	45.0
HD9225L24	24	14.0~27.6	0.09	2000	1.14	40.10	1.90	0.07	26.5
HD9225M24	24	14.0~27.6	0.13	2500	1.42	50.30	3.00	0.12	32.5
HD9225H24	24	14.0~27.6	0.18	3200	1.82	64.20	4.90	0.19	38.5
HD9225U24	24	14.0~27.6	0.32	3800	2.15	76.10	7.20	0.28	45.0
HD9225L48	48	28.0~56.0	0.06	2000	1.14	40.10	1.90	0.07	26.5
HD9225M48	48	28.0~56.0	0.09	2500	1.42	50.30	3.00	0.12	32.5
HD9225H48	48	28.0~56.0	0.13	3200	1.82	64.20	4.90	0.19	38.5
HD9225U48	48	28.0~56.0	0.18	3800	2.15	76.10	7.20	0.28	45.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

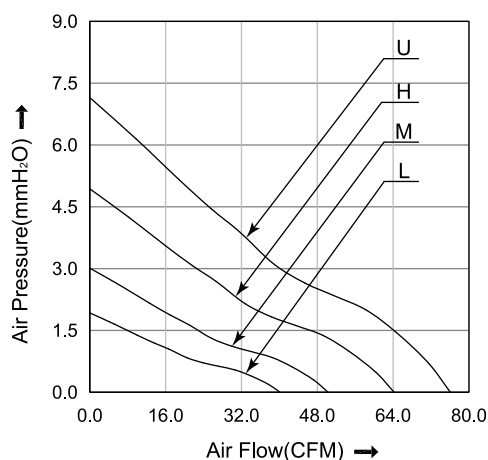
Function description:

A:3rd Pulse Wire F:Tachometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



■ P&Q Curve

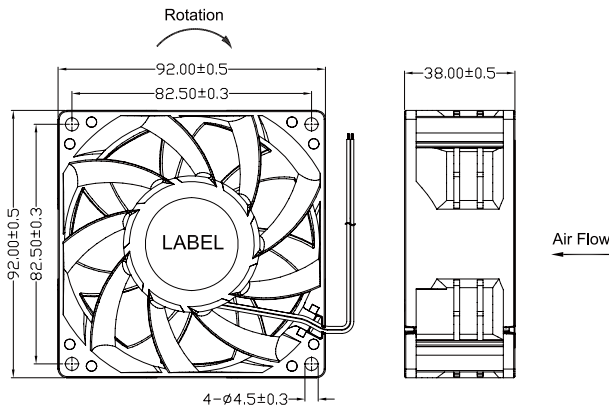


HD9238 SERIES

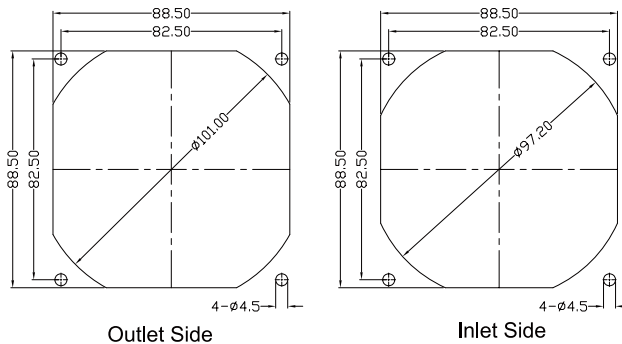
92x92x38 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 205.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD9238L12	12	7.0~13.8	1.00	4500	2.63	92.80	13.60	0.54	53.0
HD9238M12	12	7.0~13.8	1.50	5500	3.41	120.40	18.60	0.73	59.0
HD9238H12	12	7.0~13.8	2.20	6500	3.95	139.40	26.80	1.06	63.0
HD9238U12	12	7.0~13.8	3.00	7500	4.50	159.10	31.50	1.24	65.0
HD9238L24	24	14.0~27.6	0.50	4500	2.63	92.80	13.60	0.54	53.0
HD9238M24	24	14.0~27.6	0.80	5500	3.41	120.40	18.60	0.73	59.0
HD9238H24	24	14.0~27.6	1.20	6500	3.95	139.40	26.80	1.06	63.0
HD9238U24	24	14.0~27.6	1.50	7500	4.50	159.10	31.50	1.24	65.0
HD9238L48	48	28.0~56.0	0.30	4500	2.63	92.80	13.60	0.54	53.0
HD9238M48	48	28.0~56.0	0.40	5500	3.41	120.40	18.60	0.73	59.0
HD9238H48	48	28.0~56.0	0.60	6500	3.95	139.40	26.80	1.06	63.0
HD9238U48	48	28.0~56.0	0.80	7500	4.50	159.10	31.50	1.24	65.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

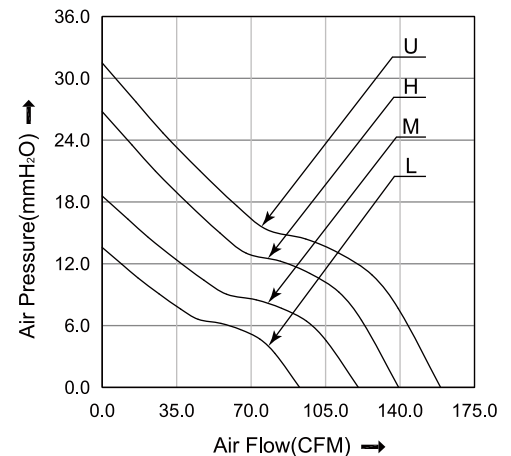
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



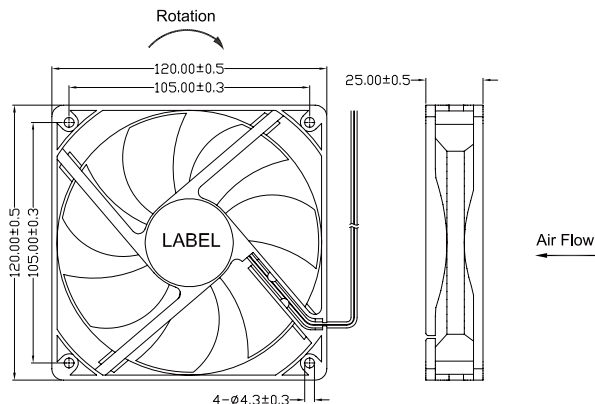
■ P&Q Curve



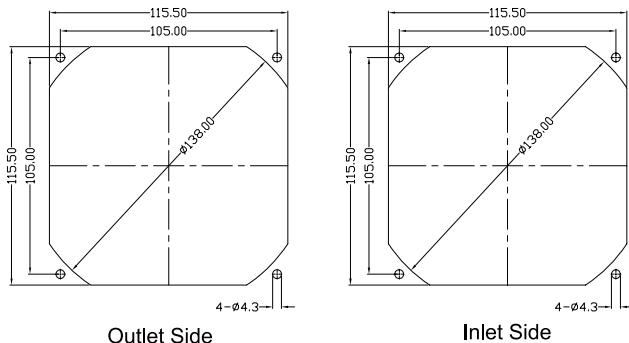
120x120x25 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 116.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD1225L05	5	4.0~5.75	0.40	1500	1.61	56.90	1.90	0.07	29.0
HD1225M05	5	4.0~5.75	0.60	1800	1.93	68.30	2.80	0.11	34.0
HD1225L12	12	7.0~13.8	0.23	1500	1.61	56.90	1.90	0.07	29.0
HD1225M12	12	7.0~13.8	0.30	1800	1.93	68.30	2.80	0.11	34.0
HD1225H12	12	7.0~13.8	0.40	2100	2.26	79.70	3.80	0.15	38.0
HD1225L24	24	14.0~27.6	0.13	1500	1.61	56.90	1.90	0.07	29.0
HD1225M24	24	14.0~27.6	0.18	1800	1.93	68.30	2.80	0.11	34.0
HD1225H24	24	14.0~27.6	0.23	2100	2.26	79.70	3.80	0.15	38.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

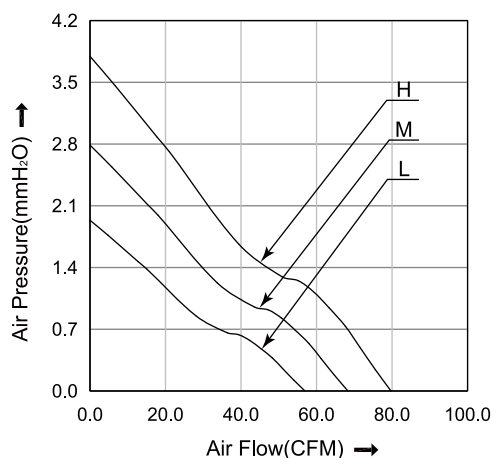
Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



■ P&Q Curve

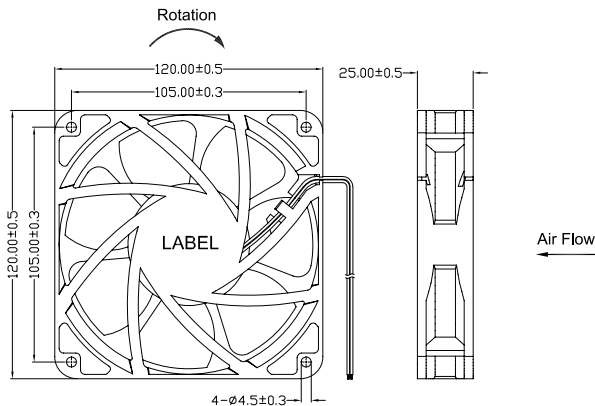


HD1225 D SERIES

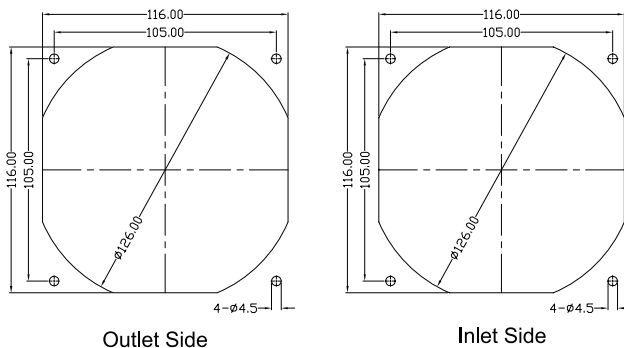
120x120x25 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 180.0g

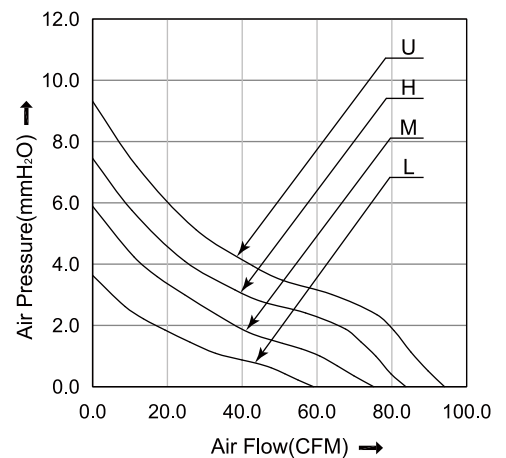
■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ P&Q Curve



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HD1225L12	12	7.0~13.8	0.18	2200	1.67	59.10	3.70	0.15	36.0
HD1225M12	12	7.0~13.8	0.23	2800	2.13	75.10	5.90	0.23	40.5
HD1225H12	12	7.0~13.8	0.32	3200	2.37	83.70	7.50	0.30	44.5
HD1225U12	12	7.0~13.8	0.50	3600	2.66	94.10	9.30	0.37	46.8
HD1225L24	24	14.0~27.6	0.13	2200	1.67	59.10	3.70	0.15	36.0
HD1225M24	24	14.0~27.6	0.18	2800	2.13	75.10	5.90	0.23	40.5
HD1225H24	24	14.0~27.6	0.23	3200	2.37	83.70	7.50	0.30	44.5
HD1225U24	24	14.0~27.6	0.30	3600	2.66	94.10	9.30	0.37	46.8
HD1225L48	48	28.0~56.0	0.09	2200	1.67	59.10	3.70	0.15	36.0
HD1225M48	48	28.0~56.0	0.13	2800	2.13	75.10	5.90	0.23	40.5
HD1225H48	48	28.0~56.0	0.18	3200	2.37	83.70	7.50	0.30	44.5
HD1225U48	48	28.0~56.0	0.23	3600	2.66	94.10	9.30	0.37	46.8

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

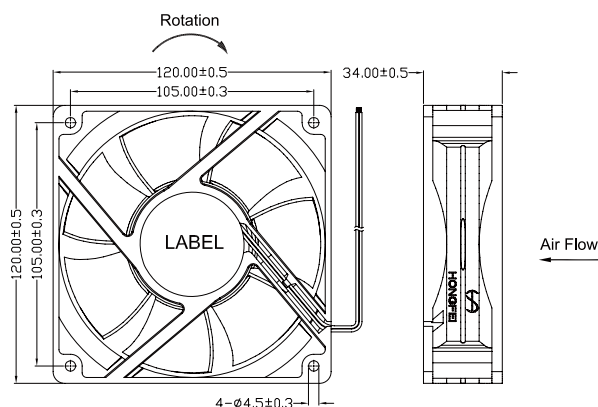
Q:Alarm/low S:Alarm/high-low

W:PWM Control input

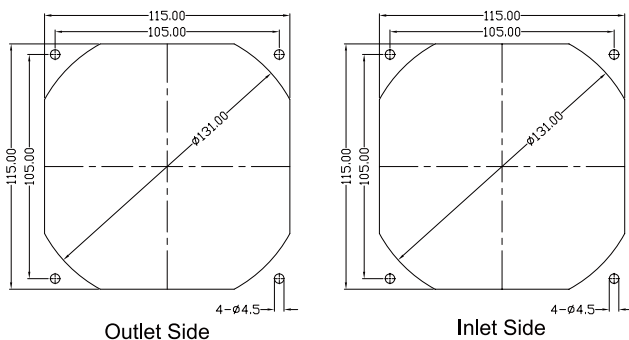
120x120x32 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 254.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD1232L12	12	7.0~13.8	0.30	2200	2.31	81.60	4.90	0.19	37.1
HD1232M12	12	7.0~13.8	0.45	2800	3.01	106.30	7.40	0.29	42.5
HD1232H12	12	7.0~13.8	0.60	3200	3.40	120.10	8.70	0.34	46.5
HD1232U12	12	7.0~13.8	1.40	4500	4.87	172.20	15.80	0.62	55.4
HD1232L24	24	14.0~27.6	0.14	2200	2.31	81.60	4.90	0.19	37.1
HD1232M24	24	14.0~27.6	0.26	2800	3.01	106.30	7.40	0.29	42.5
HD1232H24	24	14.0~27.6	0.35	3200	3.40	120.10	8.70	0.34	46.5
HD1232U24	24	14.0~27.6	0.70	4500	4.87	172.20	15.80	0.62	55.4
HD1232L48	48	28.0~56.0	0.09	2200	2.31	81.60	4.90	0.19	37.1
HD1232M48	48	28.0~56.0	0.13	2800	3.01	106.30	7.40	0.29	42.5
HD1232H48	48	28.0~56.0	0.18	3200	3.40	120.10	8.70	0.34	46.5
HD1232U48	48	28.0~56.0	0.40	4500	4.87	172.20	15.80	0.62	55.4

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

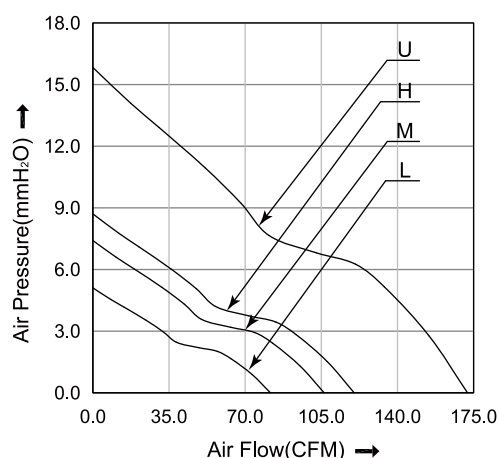
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



■ P&Q Curve

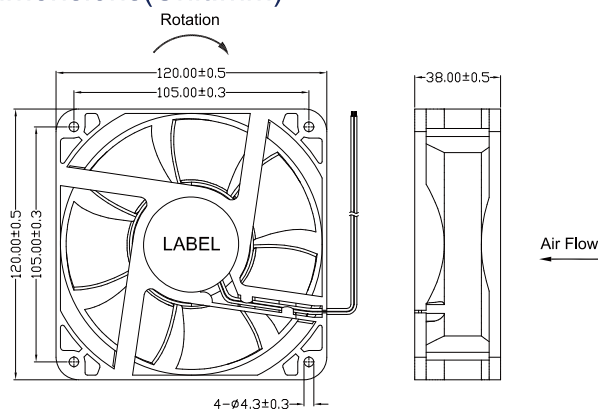


HD1238 SERIES

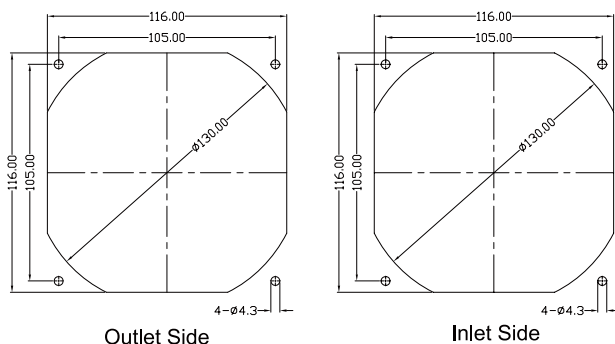
120x120x38 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 280.0g

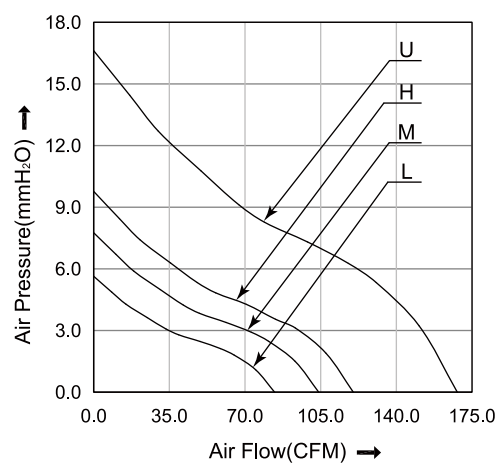
■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ P&Q Curve



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD1238L12	12	7.0~13.8	0.30	2200	2.37	83.70	5.60	0.22	35.4
HD1238M12	12	7.0~13.8	0.45	2800	2.95	104.10	7.70	0.30	41.8
HD1238H12	12	7.0~13.8	0.60	3200	3.40	120.10	9.70	0.38	45.3
HD1238U12	12	7.0~13.8	1.40	4500	4.76	168.20	16.60	0.65	54.5
HD1238L24	24	14.0~27.6	0.14	2200	2.37	83.70	5.60	0.22	35.4
HD1238M24	24	14.0~27.6	0.26	2800	2.95	104.10	7.70	0.30	41.8
HD1238H24	24	14.0~27.6	0.35	3200	3.40	120.10	9.70	0.38	45.3
HD1238U24	24	14.0~27.6	0.70	4500	4.76	168.20	16.60	0.65	54.5
HD1238L48	48	28.0~56.0	0.09	2200	2.37	83.70	5.60	0.22	35.4
HD1238M48	48	28.0~56.0	0.13	2800	2.95	104.10	7.70	0.30	41.8
HD1238H48	48	28.0~56.0	0.18	3200	3.40	120.10	9.70	0.38	45.3
HD1238U48	48	28.0~56.0	0.40	4500	4.76	168.20	16.60	0.65	54.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

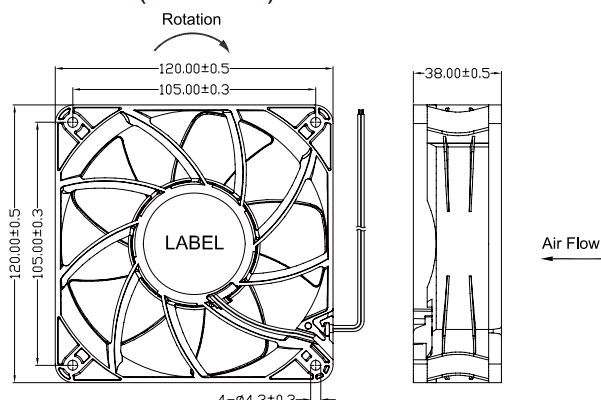
Q:Alarm/low S:Alarm/high-low

W:PWM Control input

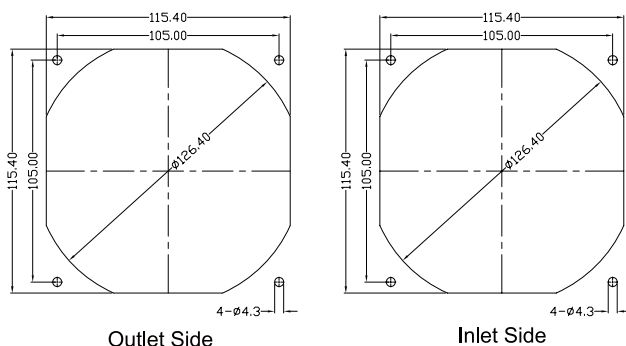
120x120x38 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 320.0g

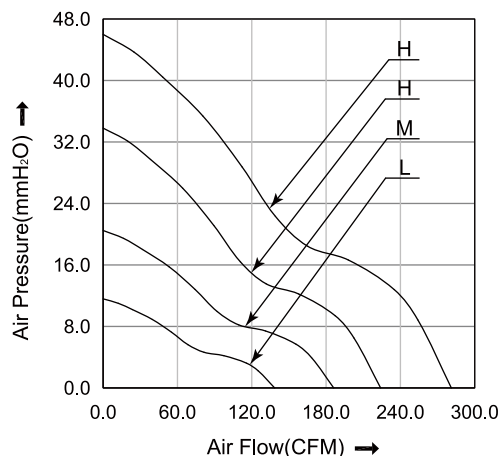
■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ P&Q Curve



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD1238L12	12	7.0~13.8	0.50	2500	3.29	116.05	7.30	0.29	42.5
HD1238M12	12	7.0~13.8	0.80	3000	4.12	145.55	9.60	0.38	48.6
HD1238H12	12	7.0~13.8	1.20	3600	5.21	184.16	15.05	0.59	53.1
HD1238U12	12	7.0~13.8	2.00	4200	6.18	218.26	20.36	0.80	57.5
HD1238L24	24	14.0~27.6	0.23	2500	3.29	116.05	7.30	0.29	42.5
HD1238M24	24	14.0~27.6	0.40	3000	4.12	145.55	9.60	0.38	48.6
HD1238H24	24	14.0~27.6	0.65	3600	5.21	184.16	15.05	0.59	53.1
HD1238U24	24	14.0~27.6	1.20	4200	6.18	218.26	20.36	0.80	57.5
HD1238L48	48	28.0~56.0	0.14	2500	3.29	116.05	7.30	0.29	42.5
HD1238M48	48	28.0~56.0	0.21	3000	4.12	145.55	9.60	0.38	48.6
HD1238H48	48	28.0~56.0	0.35	3600	5.21	184.16	15.05	0.59	53.1
HD1238U48	48	28.0~56.0	0.60	4200	6.18	218.26	20.36	0.80	57.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

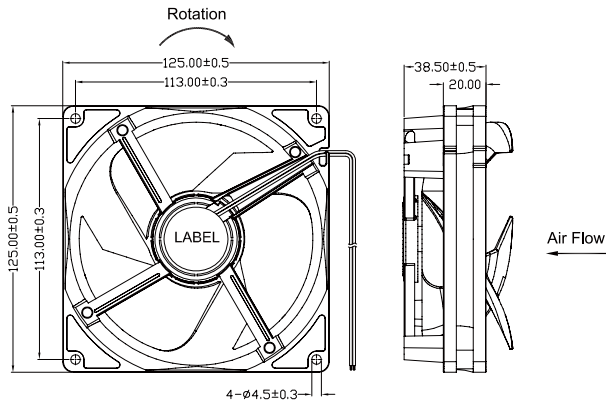
W:PWM Control input

HD12540 SERIES

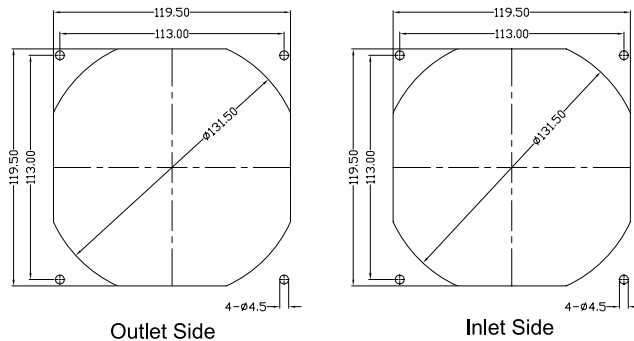
125x125x40 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 145.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD12540L12	12	7.0~13.8	0.18	2000	2.23	78.90	3.70	0.15	27.3
HD12540M12	12	7.0~13.8	0.30	2500	2.73	96.40	4.90	0.19	33.8
HD12540H12	12	7.0~13.8	0.45	3000	3.38	119.50	6.80	0.27	39.0
HD12540L24	24	14.0~27.6	0.09	2000	2.23	78.90	3.70	0.15	27.3
HD12540M24	24	14.0~27.6	0.18	2500	2.73	96.40	4.90	0.19	33.8
HD12540H24	24	14.0~27.6	0.23	3000	3.38	119.50	6.80	0.27	39.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

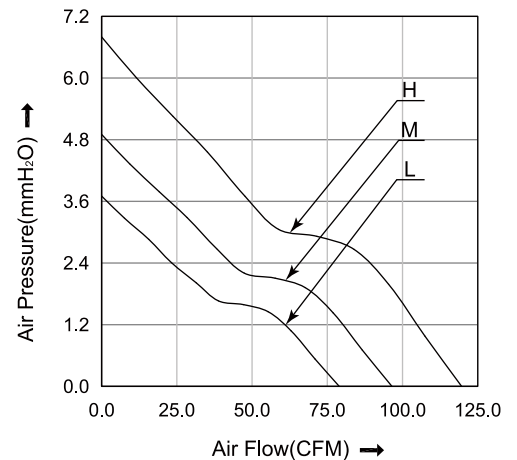
Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input



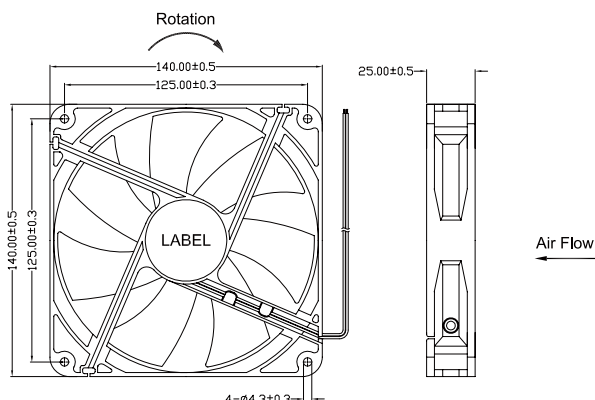
■ P&Q Curve



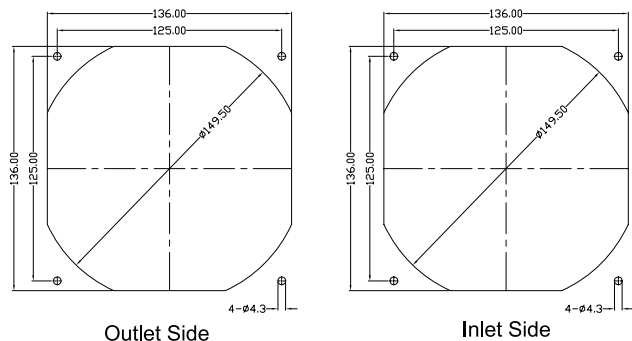
140x140x25 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 192.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD1425L12	12	7.0~13.8	0.23	1500	1.92	67.80	2.20	0.09	31.0
HD1425M12	12	7.0~13.8	0.30	1700	2.36	83.30	2.50	0.10	35.0
HD1425H12	12	7.0~13.8	0.40	1900	2.57	90.70	3.10	0.12	38.0
HD1425L24	24	14.0~27.6	0.13	1500	1.92	67.80	2.20	0.09	31.0
HD1425M24	24	14.0~27.6	0.18	1700	2.36	83.30	2.50	0.10	35.0
HD1425H24	24	14.0~27.6	0.23	1900	2.57	90.70	3.10	0.12	38.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

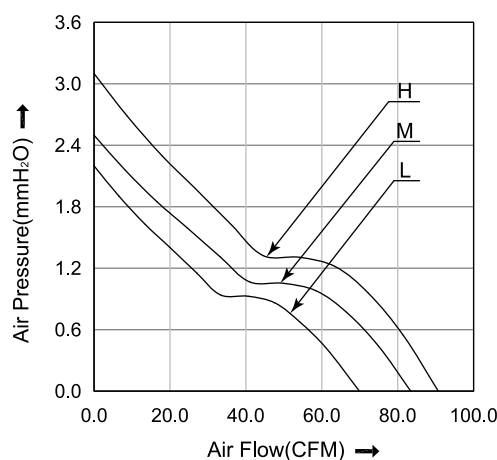
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



■ P&Q Curve

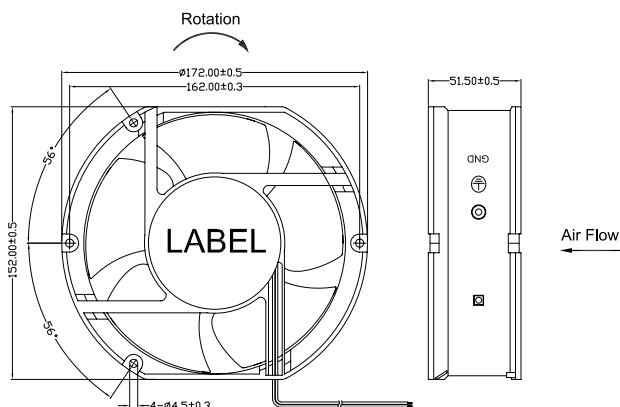


HD1751 SERIES

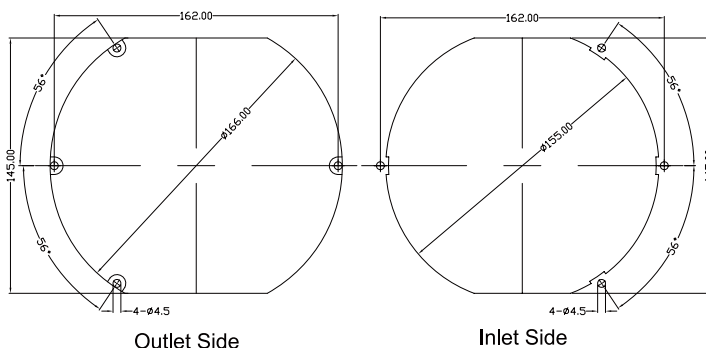
172x150x51 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 665.0g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD1751L12	12	7.0~13.8	1.50	3100	5.95	210.10	15.40	0.61	54.5
HD1751M12	12	7.0~13.8	2.00	3500	6.78	239.60	22.10	0.87	58.0
HD1751H12	12	7.0~13.8	3.00	4000	7.87	278.10	27.90	1.10	62.7
HD1751D24	24	14.0~27.6	0.70	3100	5.95	210.10	15.40	0.61	54.5
HD1751L24	24	14.0~27.6	1.00	3500	6.61	233.40	21.70	0.85	57.5
HD1751M24	24	14.0~27.6	1.30	3800	7.49	264.70	26.10	1.03	61.5
HD1751H24	24	14.0~27.6	1.50	4100	8.19	289.30	30.40	1.20	63.6
HD1751U24	24	14.0~27.6	2.00	4500	9.16	323.60	35.70	1.41	65.1
HD1751D48	48	28.0~56.0	0.40	3100	5.95	210.10	15.40	0.61	54.5
HD1751L48	48	28.0~56.0	0.50	3500	6.61	233.40	21.70	0.85	57.5
HD1751M48	48	28.0~56.0	0.60	3800	7.49	264.70	26.10	1.03	61.5
HD1751H48	48	28.0~56.0	0.70	4100	8.19	289.30	30.40	1.20	63.6
HD1751U48	48	28.0~56.0	1.00	4500	9.16	323.60	35.70	1.41	65.1

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

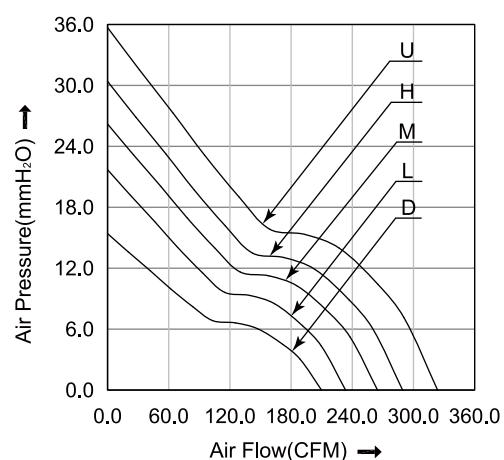
R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input



■ P&Q Curve

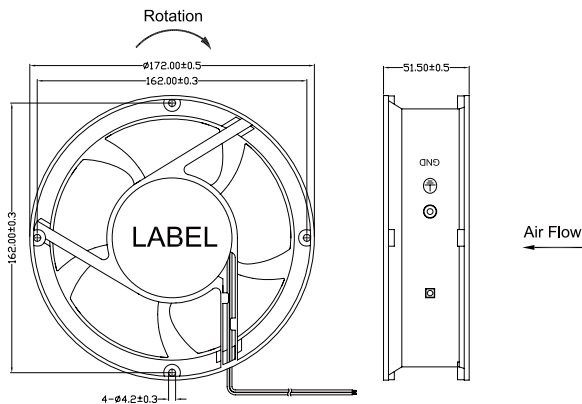


φ172x51 mm

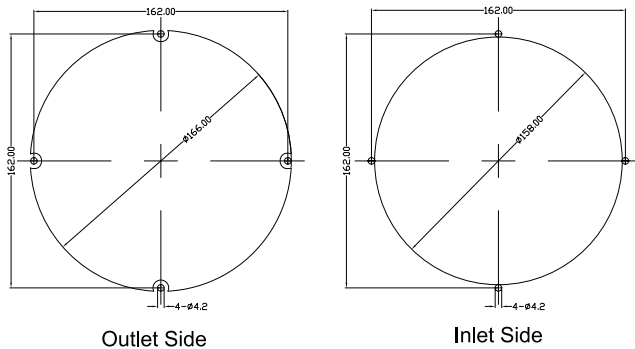
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 665.0g



■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH ₂ O	inH ₂ O	dB
HD1751L12	12	7.0~13.8	1.50	3100	5.95	210.10	15.40	0.61	54.5
HD1751M12	12	7.0~13.8	2.00	3500	6.78	239.60	22.10	0.87	58.0
HD1751H12	12	7.0~13.8	3.00	4000	7.87	278.10	27.90	1.10	62.7
HD1751D24	24	14.0~27.6	0.70	3100	5.95	210.10	15.40	0.61	54.5
HD1751L24	24	14.0~27.6	1.00	3500	6.61	233.40	21.70	0.85	57.5
HD1751M24	24	14.0~27.6	1.30	3800	7.49	264.70	26.10	1.03	61.5
HD1751H24	24	14.0~27.6	1.50	4100	8.19	289.30	30.40	1.20	63.6
HD1751U24	24	14.0~27.6	2.00	4500	9.16	323.60	35.70	1.41	65.1
HD1751D48	48	28.0~56.0	0.40	3100	5.95	210.10	15.40	0.61	54.5
HD1751L48	48	28.0~56.0	0.50	3500	6.61	233.40	21.70	0.85	57.5
HD1751M48	48	28.0~56.0	0.60	3800	7.49	264.70	26.10	1.03	61.5
HD1751H48	48	28.0~56.0	0.70	4100	8.19	289.30	30.40	1.20	63.6
HD1751U48	48	28.0~56.0	1.00	4500	9.16	323.60	35.70	1.41	65.1

Note:

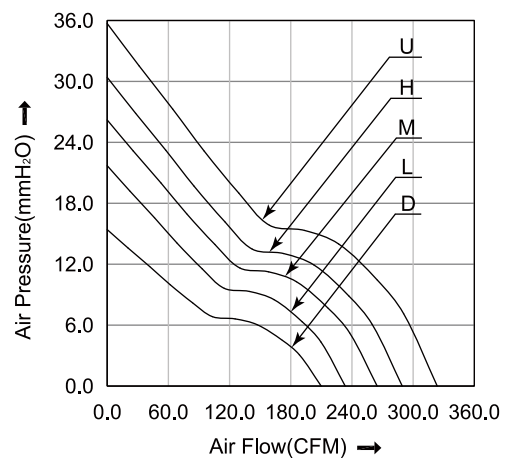
Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input

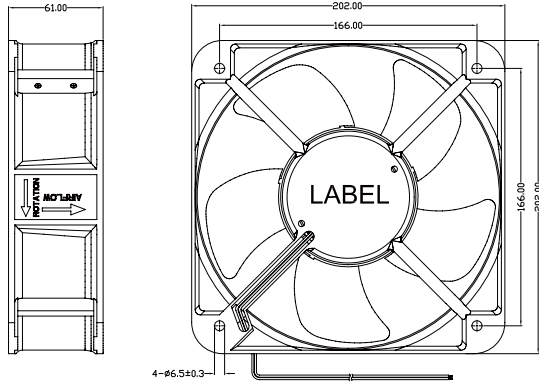
■ P&Q Curve



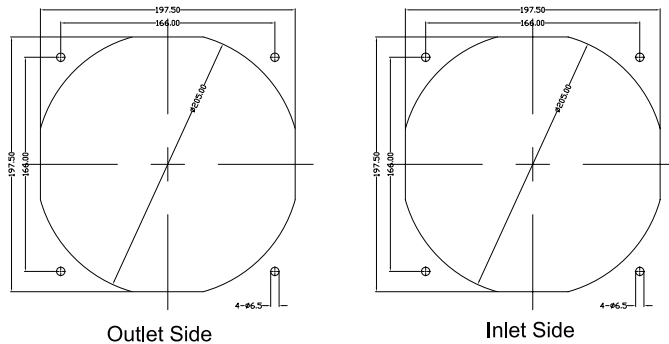
HD20060 SERIES

200x200x60 mm

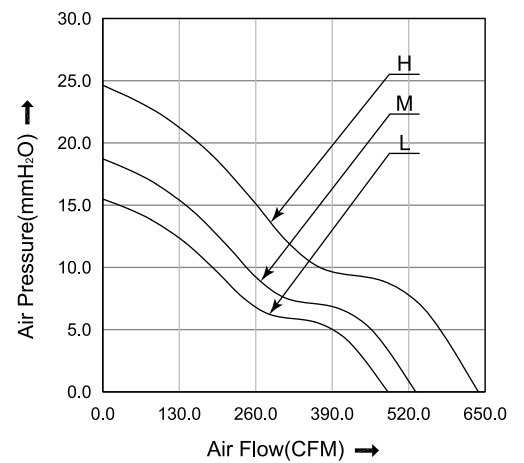
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 1060g



■ Mounting panel cutout(Unit:mm)



■ P&Q Curve



Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH2O	inH2O	dB
HD20060L12	12	7.0~13.8	2.00	2000	13.82	488.00	15.30	0.60	50.0
HD20060M12	12	7.0~13.8	2.50	2500	15.09	533.00	18.80	0.74	58.0
HD20060H12	12	7.0~13.8	3.50	3000	18.01	636.00	24.40	0.96	68.0
HD20060L24	24	14.0~27.6	1.00	2000	13.82	488.00	15.30	0.60	50.0
HD20060M24	24	14.0~27.6	1.50	2500	15.09	533.00	18.80	0.74	58.0
HD20060H24	24	14.0~27.6	2.50	3000	18.01	636.00	24.40	0.96	68.0
HD20060L48	48	28.0~56.0	0.50	2000	13.82	488.00	15.30	0.60	50.0
HD20060M48	48	28.0~56.0	0.80	2500	15.09	533.00	18.80	0.74	58.0
HD20060H48	48	28.0~56.0	1.20	3000	18.01	636.00	24.40	0.96	68.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

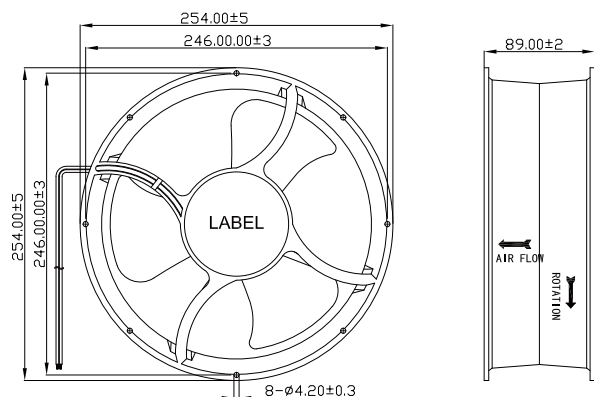
Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high
Q:Alarm/low S:Alarm/high-low W:PWM Control input

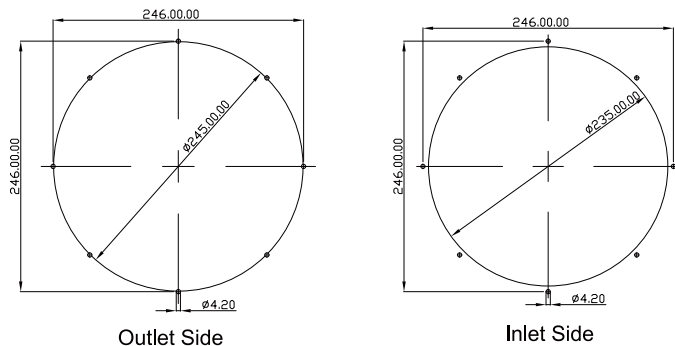
φ254x89 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 2250g

■ Dimensions(Unit:mm)



■ Mounting panel cutout(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HD25489L24	24	14.0~27.6	1.20	1600	15.59	550.80	9.70	0.38	55.5
HD25489M24	24	14.0~27.6	1.80	2100	20.47	722.90	16.60	0.65	61.4
HD25489H24	24	14.0~27.6	3.00	2600	25.34	895.00	25.50	1.00	66.0
HD25489U24	24	14.0~27.6	4.00	3000	29.24	1032.70	33.90	1.34	69.1
HD25489L48	48	28.0~56.0	0.80	1600	15.59	550.80	9.70	0.38	55.5
HD25489M48	48	28.0~56.0	1.20	2100	20.47	722.90	16.60	0.65	61.4
HD25489H48	48	28.0~56.0	1.80	2600	25.34	895.00	25.50	1.00	66.0
HD25489U48	48	28.0~56.0	2.50	3000	29.24	1032.70	33.90	1.34	69.1

Note:

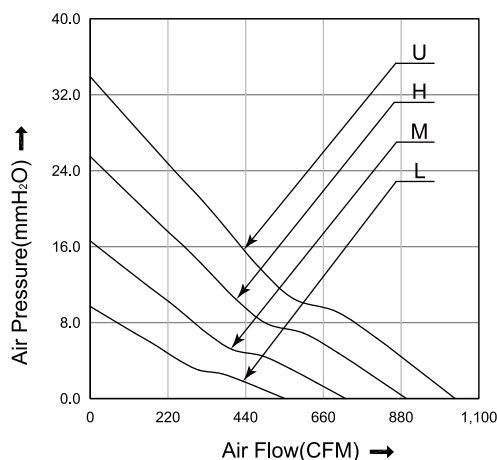
Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high
Q:Alarm/low S:Alarm/high-low W:PWM Control input



■ P&Q Curve



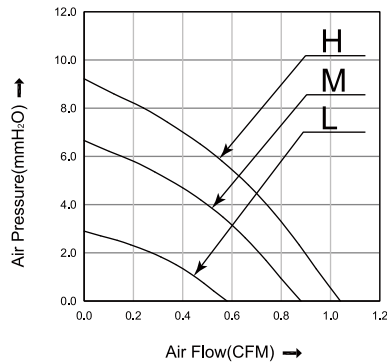
HB3004 SERIES

30x30x4.5 mm

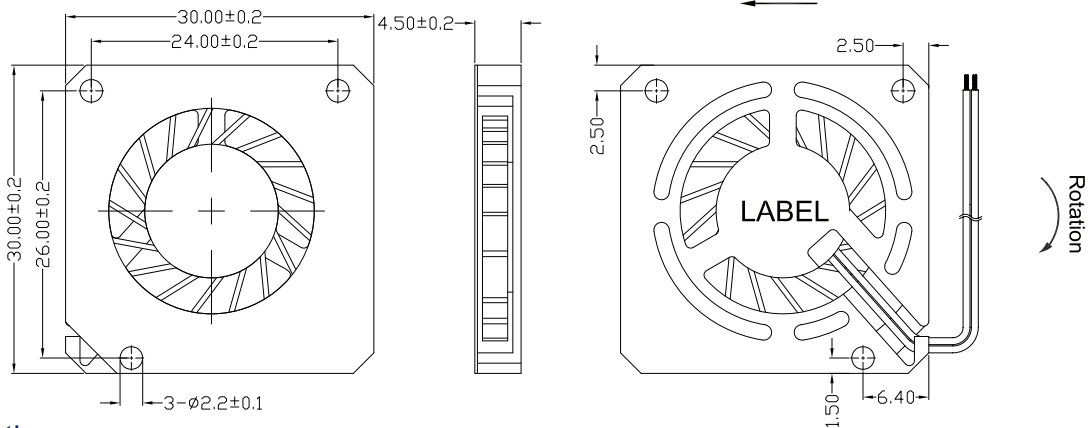
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 2.6g



■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HB3004L05	3.3	2.5~3.8	0.05	6000	0.016	0.58	2.90	0.11	28.0
HB3004M03	3.3	2.5~3.8	0.09	8500	0.025	0.88	6.66	0.26	36.0
HB3004H03	3.3	2.5~3.8	0.15	10000	0.029	1.04	9.22	0.36	42.0
HB3004L05	5	4.0~5.75	0.04	6000	0.016	0.58	2.90	0.11	28.0
HB3004M05	5	4.0~5.75	0.08	8500	0.025	0.88	6.66	0.26	36.0
HB3004H05	5	4.0~5.75	0.13	10000	0.029	1.04	9.22	0.36	42.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

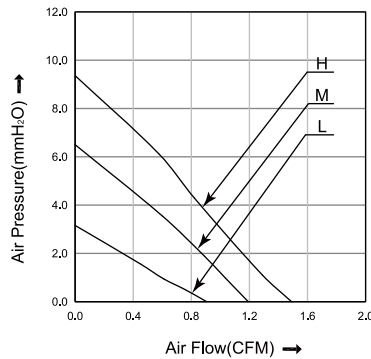
Q:Alarm/low S:Alarm/high-low W:PWM Control input

30x30x7 mm

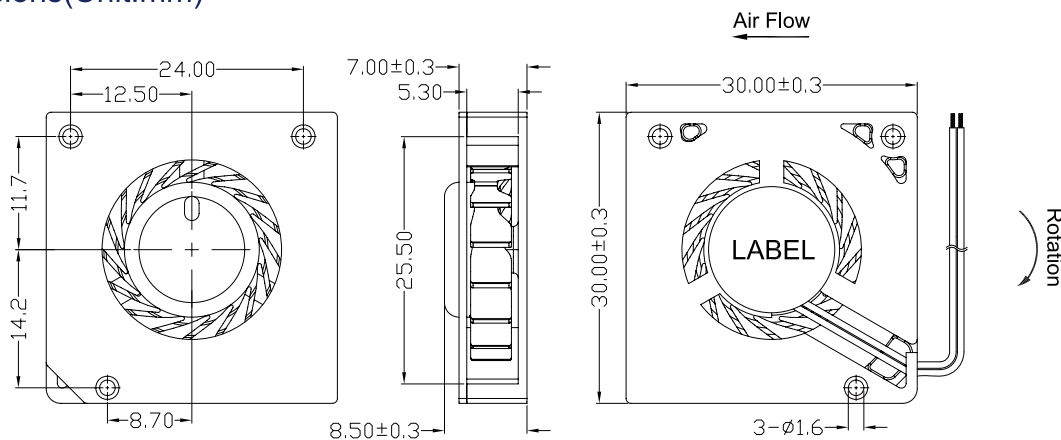
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 10.0g



■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HB3007L05	5	4.0~5.75	0.09	6000	0.03	0.90	3.20	0.13	21.0
HB3007M05	5	4.0~5.75	0.13	8500	0.03	1.20	6.50	0.26	26.0
HB3007H05	5	4.0~5.75	0.18	11000	0.04	1.50	9.40	0.37	30.5
HB3007L12	12	7.0~13.8	0.06	6000	0.03	0.90	3.20	0.13	21.0
HB3007M12	12	7.0~13.8	0.09	8500	0.03	1.20	6.50	0.26	25.5
HB3007H12	12	7.0~13.8	0.13	11000	0.04	1.50	9.40	0.37	30.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high
Q:Alarm/low S:Alarm/high-low W:PWM Control input

DC Blowers

DC Axial Fan

Cross Flow Fan

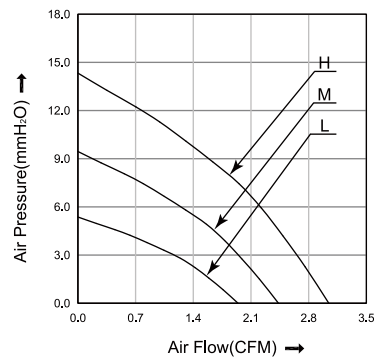
AC Axial Fan

40x40x10 mm

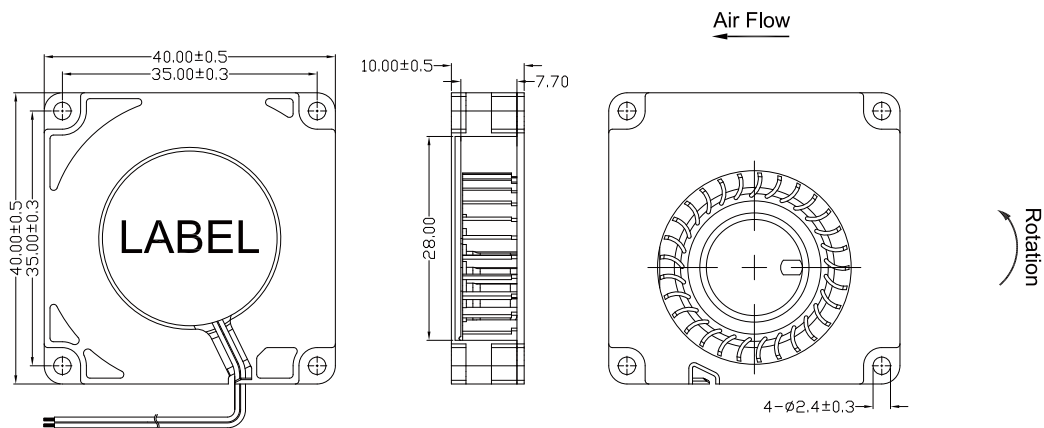
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 12.0g



■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HB4010L05	5	4.0~5.75	0.09	5500	0.05	1.94	5.37	0.21	28.0
HB4010M05	5	4.0~5.75	0.13	7000	0.07	2.43	9.45	0.37	31.0
HB4010H05	5	4.0~5.75	0.18	8500	0.08	3.00	14.33	0.56	34.5
HB4010L12	12	7.0~13.8	0.06	5500	0.05	1.94	5.37	0.21	28.0
HB4010M12	12	7.0~13.8	0.09	7000	0.07	2.43	9.45	0.37	31.0
HB4010H12	12	7.0~13.8	0.13	8500	0.08	3.00	14.33	0.56	34.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

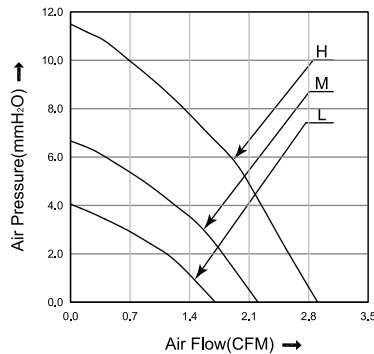
A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high

Q:Alarm/low S:Alarm/high-low W:PWM Control input

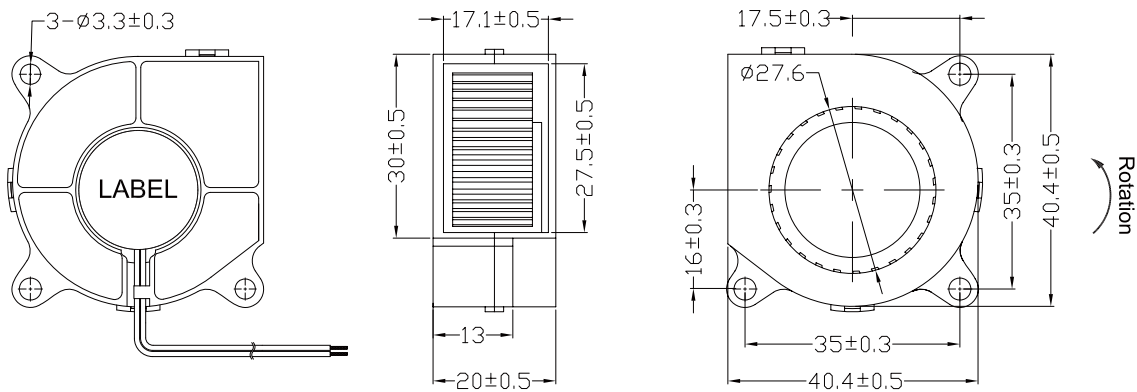
40x40x20 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 24.0g

■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HB4020L05	5	4.0~5.75	0.18	4000	0.05	1.70	4.10	0.16	22.7
HB4020M05	5	4.0~5.75	0.30	5500	0.06	2.20	6.70	0.26	30.5
HB4020H05	5	4.0~5.75	0.40	7000	0.08	2.90	11.50	0.45	37.8
HB4020L12	12	7.0~13.8	0.09	4000	0.05	1.70	4.10	0.16	22.7
HB4020M12	12	7.0~13.8	0.14	5500	0.06	2.20	6.70	0.26	30.5
HB4020H12	12	7.0~13.8	0.23	7000	0.08	2.90	11.50	0.45	37.8
HB4020L24	24	14.0~27.6	0.06	4000	0.05	1.70	4.10	0.16	22.7
HB4020M24	24	14.0~27.6	0.09	5500	0.06	2.20	6.70	0.26	30.5
HB4020H24	24	14.0~27.6	0.14	7000	0.08	2.90	11.50	0.45	37.8

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

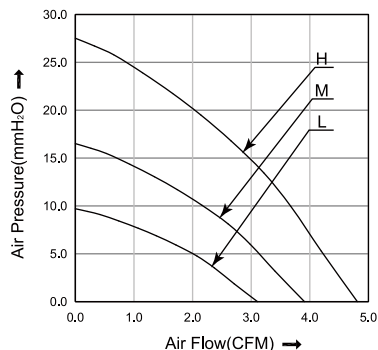
A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high
Q:Alarm/low S:Alarm/high-low W:PWM Control input

HB5015 X SERIES

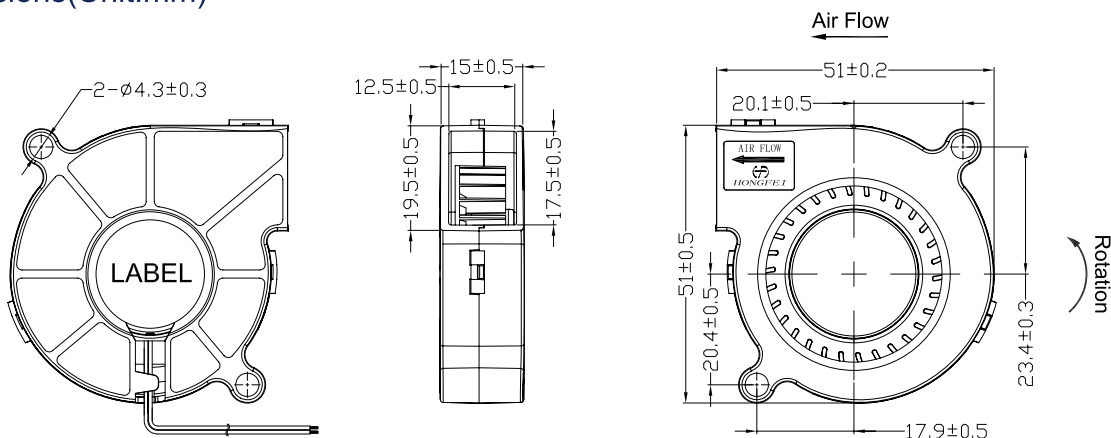
50x50x15 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 26.0g

■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HB5015L05	5	4.0~5.75	0.23	4000	0.09	3.10	9.70	0.38	31.2
HB5015M05	5	4.0~5.75	0.35	5000	0.11	3.90	16.50	0.65	39.2
HB5015H05	5	4.0~5.75	0.50	6000	0.14	4.80	27.50	1.08	42.7
HB5015L12	12	7.0~13.8	0.09	4000	0.09	3.10	9.70	0.38	31.2
HB5015M12	12	7.0~13.8	0.14	5000	0.11	3.90	16.50	0.65	39.2
HB5015H12	12	7.0~13.8	0.23	6000	0.14	4.80	27.50	1.08	42.7
HB5015L24	24	14.0~27.6	0.06	4000	0.09	3.10	9.70	0.38	31.2
HB5015M24	24	14.0~27.6	0.09	5000	0.11	3.90	16.50	0.65	39.2
HB5015H24	24	14.0~27.6	0.14	6000	0.14	4.80	27.50	1.08	42.7

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

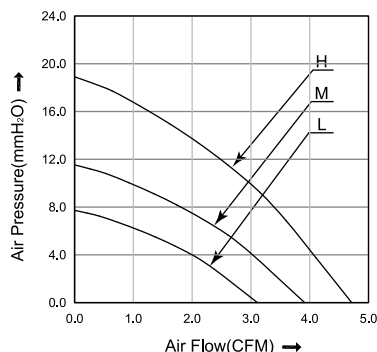
Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high
Q:Alarm/low S:Alarm/high-low W:PWM Control input

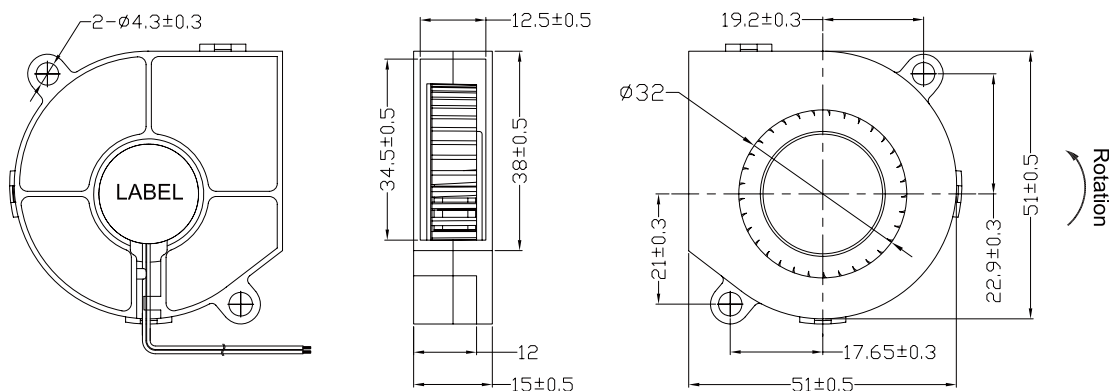
50x50x15 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 26.0g

■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH2O	inH2O	dB
HB5015L05	5	4.0~5.75	0.23	4000	0.09	3.10	7.70	0.30	31.7
HB5015M05	5	4.0~5.75	0.35	5000	0.11	3.90	11.50	0.45	38.2
HB5015H05	5	4.0~5.75	0.50	6000	0.13	4.70	18.90	0.74	42.8
HB5015L12	12	7.0~13.8	0.09	4000	0.09	3.10	7.70	0.30	31.7
HB5015M12	12	7.0~13.8	0.14	5000	0.11	3.90	11.50	0.45	38.2
HB5015H12	12	7.0~13.8	0.23	6000	0.13	4.70	18.90	0.74	42.8
HB5015L24	24	14.0~27.6	0.06	4000	0.09	3.10	7.70	0.30	31.7
HB5015M24	24	14.0~27.6	0.09	5000	0.11	3.90	11.50	0.45	38.2
HB5015H24	24	14.0~27.6	0.14	6000	0.13	4.70	18.90	0.74	42.8

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input

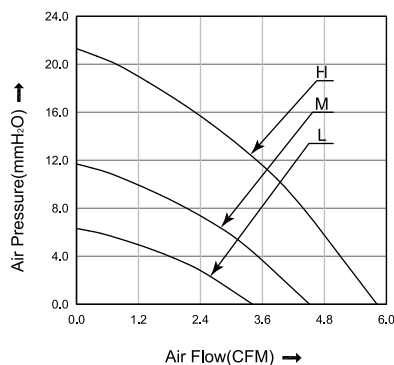
HB5020 SERIES

50x50x20 mm

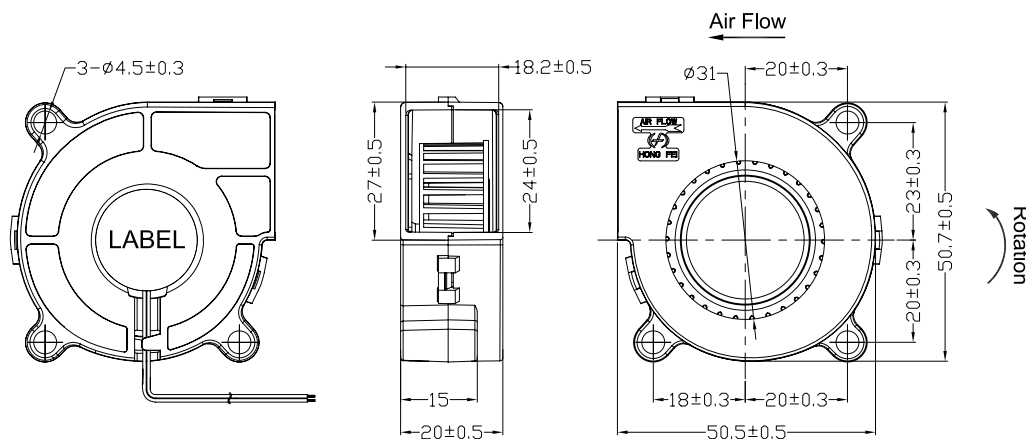
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 28.0g



■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH2O	inH2O	dB
HB5020L05	5	4.0~5.75	0.18	4000	0.10	3.40	6.30	0.25	31.5
HB5020M05	5	4.0~5.75	0.32	5000	0.13	4.50	11.70	0.46	39.1
HB5020H05	5	4.0~5.75	0.50	6000	0.16	5.80	21.30	0.84	42.2
HB5020L12	12	7.0~13.8	0.09	4000	0.10	3.40	6.30	0.25	31.5
HB5020M12	12	7.0~13.8	0.18	5000	0.13	4.50	11.70	0.46	39.1
HB5020H12	12	7.0~13.8	0.32	6000	0.16	5.80	21.30	0.84	42.2
HB5020L24	24	14.0~27.6	0.06	4000	0.10	3.40	6.30	0.25	31.5
HB5020M24	24	14.0~27.6	0.09	5000	0.13	4.50	11.70	0.46	39.1
HB5020H24	24	14.0~27.6	0.14	6000	0.16	5.80	21.30	0.84	42.2

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

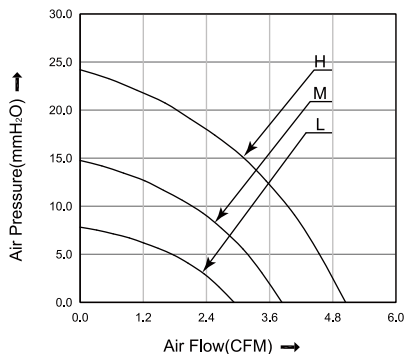
A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high
Q:Alarm/low S:Alarm/high-low W:PWM Control input

60x60x15 mm

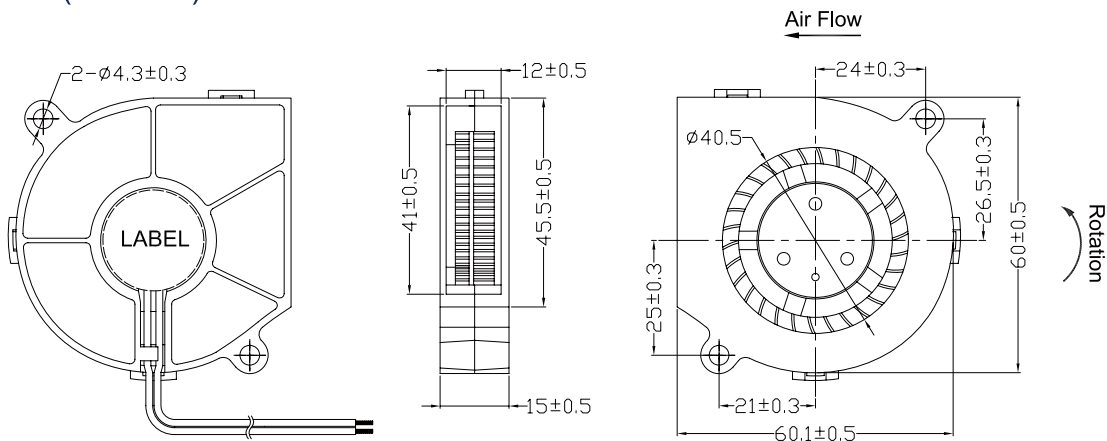
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 36.0g



■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HB6015L0 5	5	4.0~5.75	0.23	3000	0.08	2.90	7.80	0.31	29.0
HB6015M0 5	5	4.0~5.75	0.35	4000	0.11	3.80	14.70	0.58	38.5
HB6015H0 5	5	4.0~5.75	0.50	5000	0.14	5.00	24.20	0.95	43.2
HB6015L1 2	12	7.0~13.8	0.13	3000	0.08	2.90	7.80	0.31	29.0
HB6015M1 2	12	7.0~13.8	0.23	4000	0.11	3.80	14.70	0.58	38.5
HB6015H1 2	12	7.0~13.8	0.32	5000	0.14	5.00	24.20	0.95	43.2
HB6015L2 4	24	14.0~27.6	0.09	3000	0.08	2.90	7.80	0.31	29.0
HB6015M2 4	24	14.0~27.6	0.13	4000	0.11	3.80	14.70	0.58	38.5
HB6015H2 4	24	14.0~27.6	0.18	5000	0.14	5.00	24.20	0.95	43.2

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

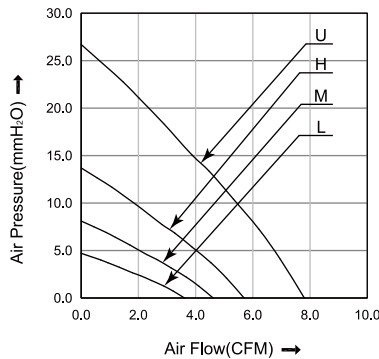
W:PWM Control input

HB6025 SERIES

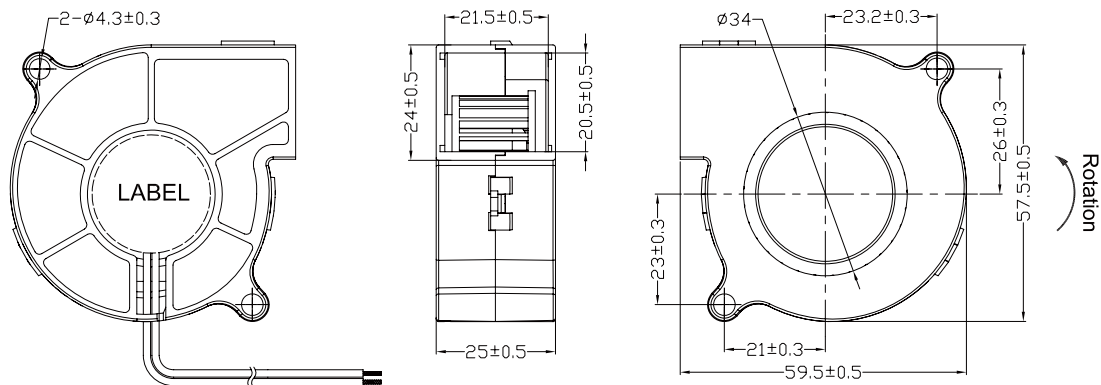
60x60x25 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 62.0g

■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH2O	inH2O	dB
HB6025L05	5	4.0~5.75	0.23	3000	0.10	3.60	4.70	0.19	26.4
HB6025M05	5	4.0~5.75	0.35	4000	0.13	4.60	8.10	0.32	30.6
HB6025H05	5	4.0~5.75	0.45	5000	0.16	5.70	13.70	0.54	36.8
HB6025L12	12	7.0~13.8	0.13	3000	0.10	3.60	4.70	0.19	26.4
HB6025M12	12	7.0~13.8	0.18	4000	0.13	4.60	8.10	0.32	30.6
HB6025H12	12	7.0~13.8	0.23	5000	0.16	5.70	13.70	0.54	36.8
HB6025U12	12	7.0~13.8	0.40	6500	0.22	7.80	26.70	1.05	44.7
HB6025L24	24	14.0~27.6	0.06	3000	0.10	3.60	4.70	0.19	26.4
HB6025M24	24	14.0~27.6	0.09	4000	0.13	4.60	8.10	0.32	30.6
HB6025H24	24	14.0~27.6	0.14	5000	0.16	5.70	13.70	0.54	36.8
HB6025U24	24	14.0~27.6	0.23	6500	0.22	7.80	26.70	1.05	44.7
HB6025M48	48	28.0~56.0	0.06	4000	0.13	4.60	8.10	0.32	30.6
HB6025H48	48	28.0~56.0	0.09	5000	0.16	5.70	13.70	0.54	36.8
HB6025U48	48	28.0~56.0	0.14	6500	0.22	7.80	26.70	1.05	44.7

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

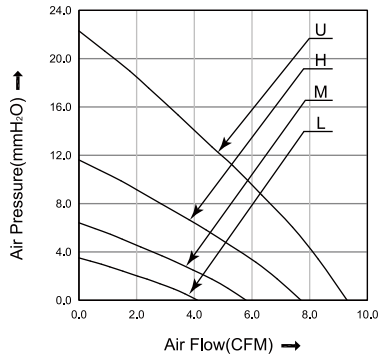
Q:Alarm/low S:Alarm/high-low

W:PWM Control input

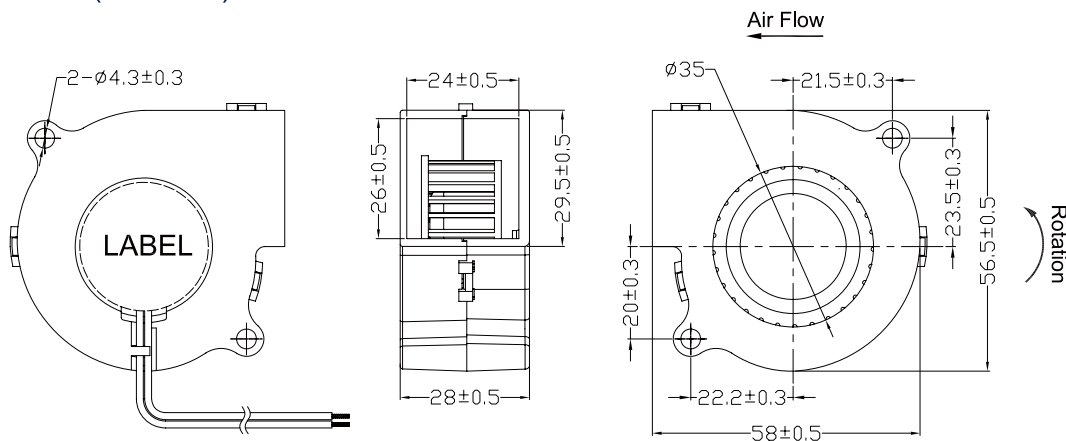
60x60x28 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 60.0g

■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HB6028L05	5	4.0~5.75	0.23	3000	0.12	4.10	3.50	0.14	27.1
HB6028M05	5	4.0~5.75	0.35	4000	0.16	5.80	6.40	0.25	36.9
HB6028H05	5	4.0~5.75	0.45	5000	0.22	7.70	11.60	0.46	41.8
HB6028L12	12	7.0~13.8	0.13	3000	0.12	4.10	3.50	0.14	27.1
HB6028M12	12	7.0~13.8	0.18	4000	0.16	5.80	6.40	0.25	36.9
HB6028H12	12	7.0~13.8	0.23	5000	0.22	7.70	11.60	0.46	41.8
HB6028U12	12	7.0~13.8	0.40	6500	0.26	9.30	22.30	0.88	45.5
HB6028L24	24	14.0~27.6	0.06	3000	0.12	4.10	3.50	0.14	27.1
HB6028M24	24	14.0~27.6	0.09	4000	0.16	5.80	6.40	0.25	36.9
HB6028H24	24	14.0~27.6	0.14	5000	0.22	7.70	11.60	0.46	41.8
HB6028U24	24	14.0~27.6	0.23	6500	0.26	9.30	22.30	0.88	45.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Tachometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input

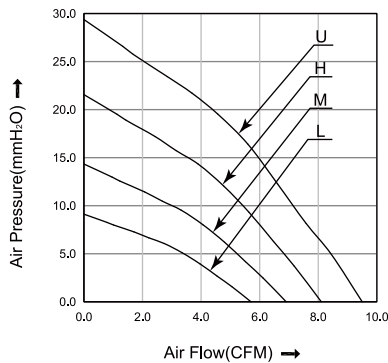
HB7515 SERIES

75x75x15 mm

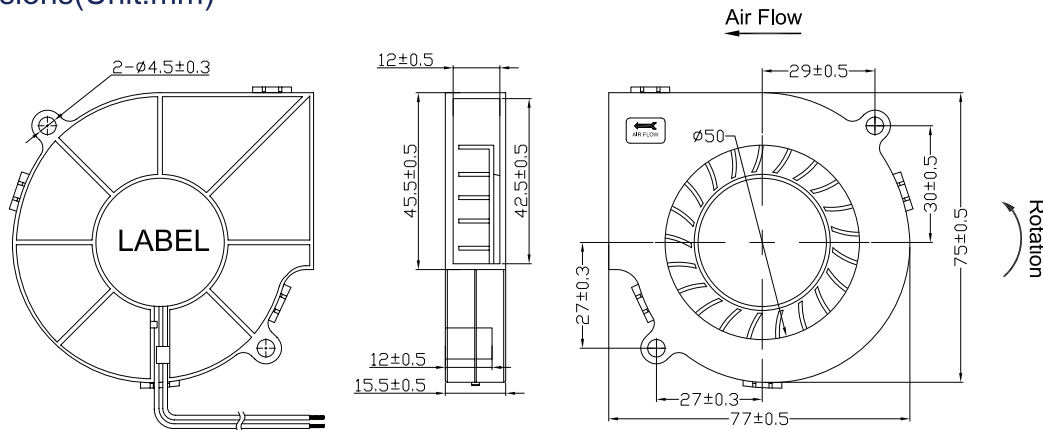
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 60.0g



■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HB7515L05	5	4.0~5.75	0.30	2500	0.16	5.70	9.10	0.36	29.7
HB7515M05	5	4.0~5.75	0.45	3200	0.20	6.90	14.30	0.56	36.5
HB7515H05	5	4.0~5.75	0.65	3600	0.21	7.50	18.80	0.74	39.8
HB7515L12	12	7.0~13.8	0.14	2500	0.16	5.70	9.10	0.36	29.7
HB7515M12	12	7.0~13.8	0.23	3200	0.20	6.90	14.30	0.56	36.5
HB7515H12	12	7.0~13.8	0.35	3800	0.23	8.10	21.50	0.85	41.8
HB7515U12	12	7.0~13.8	0.45	4200	0.27	9.50	29.30	1.15	47.2
HB7515L24	24	14.0~27.6	0.09	2500	0.16	5.70	9.10	0.36	29.7
HB7515M24	24	14.0~27.6	0.14	3200	0.20	6.90	14.30	0.56	36.5
HB7515H24	24	14.0~27.6	0.18	3800	0.23	8.10	21.50	0.85	41.8
HB7515U24	24	14.0~27.6	0.25	4200	0.27	9.50	29.30	1.15	47.2

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

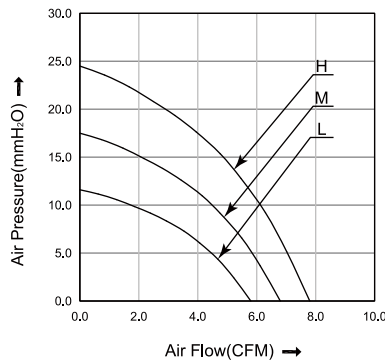
Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high
Q:Alarm/low S:Alarm/high-low W:PWM Control input

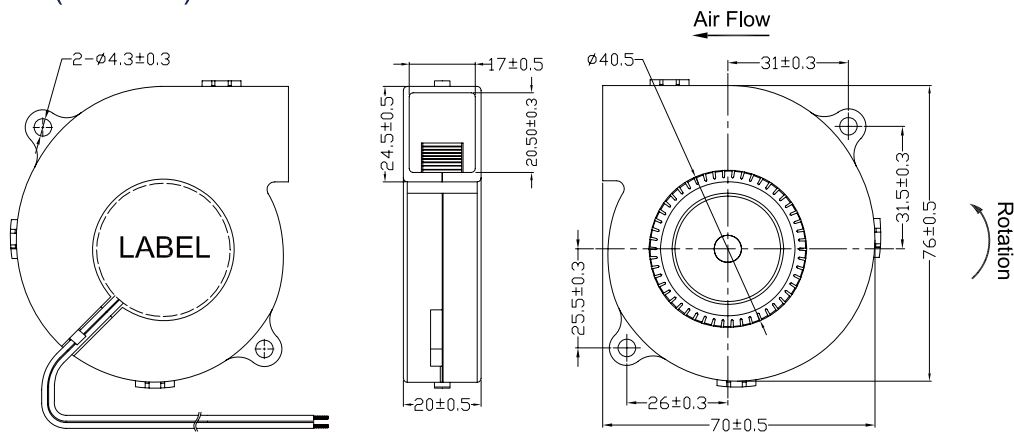
75x70x20 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 65.0g

■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH2O	inH2O	dB
HB7520L05	5	4.0~5.75	0.35	3000	0.16	5.80	11.60	0.46	32.3
HB7520M05	5	4.0~5.75	0.45	3500	0.19	6.80	17.50	0.69	35.3
HB7520L12	12	7.0~13.8	0.18	3000	0.16	5.80	11.60	0.46	32.3
HB7520M12	12	7.0~13.8	0.23	3500	0.19	6.80	17.50	0.69	35.3
HB7520H12	12	7.0~13.8	0.32	4000	0.22	7.80	24.50	0.97	38.2
HB7520L24	24	14.0~27.6	0.09	3000	0.16	5.80	11.60	0.46	32.3
HB7520M24	24	14.0~27.6	0.14	3500	0.19	6.80	17.50	0.69	35.3
HB7520H24	24	14.0~27.6	0.18	4000	0.22	7.80	24.50	0.97	38.2

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high
Q:Alarm/low S:Alarm/high-low W:PWM Control input

DC Blowers

DC Axial Fan

Cross Flow Fan

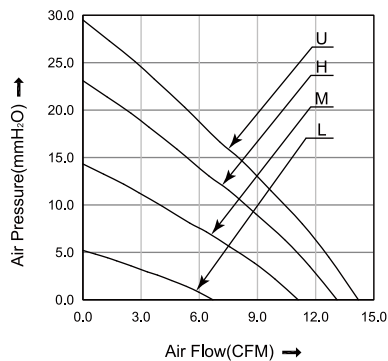
AC Axial Fan

HB7530 SERIES

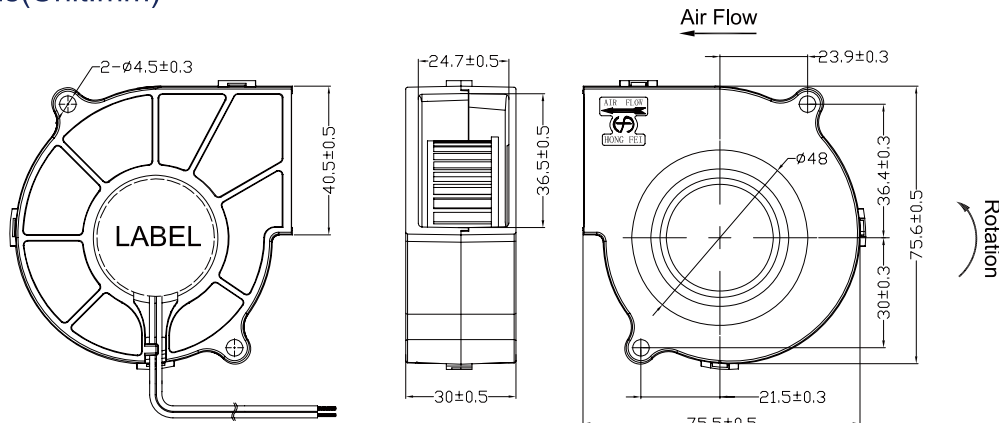
75x75x30 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 94.0g

■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HB7530L05	5	4.0~5.75	0.30	2000	0.19	6.70	5.20	0.20	24.2
HB7530M05	5	4.0~5.75	0.40	3000	0.31	11.10	14.30	0.56	34.3
HB7530H05	5	4.0~5.75	0.60	3800	0.37	13.10	23.10	0.91	42.7
HB7530L12	12	7.0~13.8	0.14	2000	0.19	6.70	5.20	0.20	24.2
HB7530M12	12	7.0~13.8	0.21	3000	0.31	11.10	14.30	0.56	34.3
HB7530H12	12	7.0~13.8	0.40	3800	0.37	13.10	23.10	0.91	42.7
HB7530U12	12	7.0~13.8	0.60	4500	0.40	14.20	29.50	1.16	45.5
HB7530L24	24	14.0~27.6	0.09	2000	0.19	6.70	5.20	0.20	24.2
HB7530M24	24	14.0~27.6	0.14	3000	0.31	11.10	14.30	0.56	34.3
HB7530H24	24	14.0~27.6	0.20	3800	0.37	13.10	23.10	0.91	42.7
HB7530U24	24	14.0~27.6	0.30	4500	0.40	14.20	29.50	1.16	45.5
HB7530L48	48	28.0~56.0	0.06	2000	0.19	6.70	5.20	0.20	24.2
HB7530M48	48	28.0~56.0	0.09	3000	0.31	11.10	14.30	0.56	34.3
HB7530H48	48	28.0~56.0	0.13	3800	0.37	13.10	23.10	0.91	42.7
HB7530U48	48	28.0~56.0	0.18	4500	0.40	14.20	29.50	1.16	45.5

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

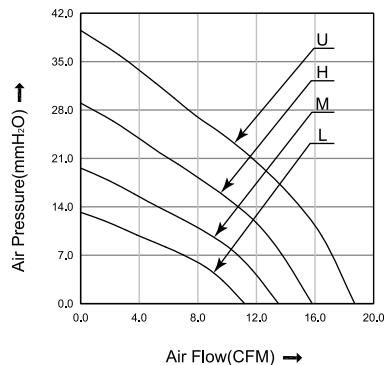
Q:Alarm/low S:Alarm/high-low

W:PWM Control input

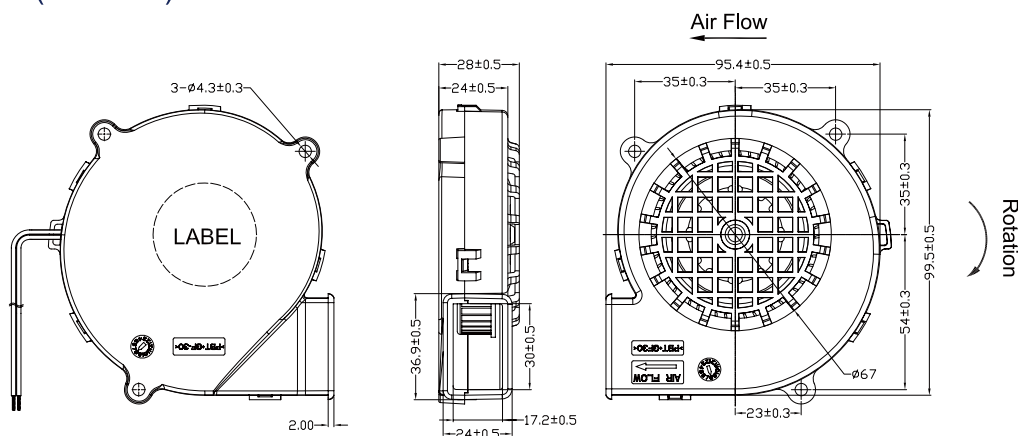
99x95x28 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 120.0g

■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HB9220L12	12	7.0~13.8	0.18	2700	0.32	11.20	13.20	0.52	40.3
HB9220M12	12	7.0~13.8	0.32	3200	0.38	13.50	19.60	0.77	45.5
HB9220H12	12	7.0~13.8	0.50	3800	0.45	15.80	29.00	1.14	48.8
HB9220U12	12	7.0~13.8	0.80	4500	0.53	18.70	39.50	1.56	54.6
HB9220L24	24	14.0~27.6	0.10	2700	0.32	11.20	13.20	0.52	40.3
HB9220M24	24	14.0~27.6	0.18	3200	0.38	13.50	19.60	0.77	45.5
HB9220H24	24	14.0~27.6	0.30	3800	0.45	15.80	29.00	1.14	48.8
HB9220U24	24	14.0~27.6	0.50	4500	0.53	18.70	39.50	1.56	54.6
HB9220L48	48	28.0~56.0	0.06	2700	0.32	11.20	13.20	0.52	40.3
HB9220M48	48	28.0~56.0	0.10	3200	0.38	13.50	19.60	0.77	45.5
HB9220H48	48	28.0~56.0	0.18	3800	0.45	15.80	29.00	1.14	48.8
HB9220U48	48	28.0~56.0	0.30	4500	0.53	18.70	39.50	1.56	54.6

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input

DC Blowers

DC Axial Fan

Cross Flow Fan

AC Axial Fan

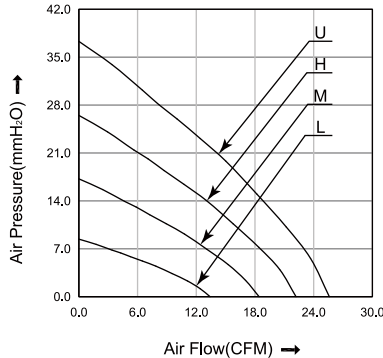
HB9330 SERIES

93x92x30 mm

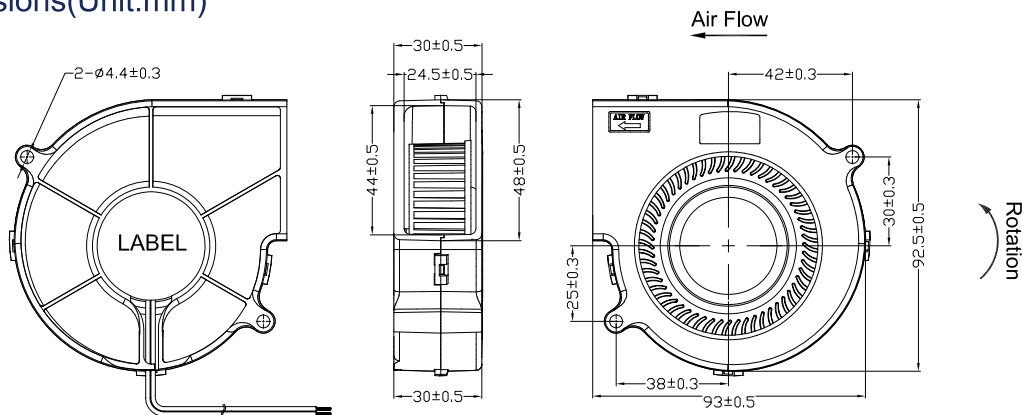
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 140.0g



■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HB9330L12	12	7.0~13.8	0.30	2200	0.38	13.40	8.40	0.33	30.5
HB9330M12	12	7.0~13.8	0.50	3000	0.52	18.40	17.20	0.68	40.8
HB9330H12	12	7.0~13.8	0.80	3600	0.63	22.20	26.50	1.04	44.3
HB9330U12	12	7.0~13.8	1.20	4200	0.72	25.60	37.30	1.47	48.6
HB9330L24	24	14.0~27.6	0.18	2200	0.38	13.40	8.40	0.33	30.5
HB9330M24	24	14.0~27.6	0.26	3000	0.52	18.40	17.20	0.68	40.8
HB9330H24	24	14.0~27.6	0.40	3600	0.63	22.20	26.50	1.04	44.3
HB9330U24	24	14.0~27.6	0.60	4200	0.72	25.60	37.30	1.47	48.6
HB9330L48	48	28.0~56.0	0.10	2200	0.38	13.40	8.40	0.33	30.5
HB9330M48	48	28.0~56.0	0.15	3000	0.52	18.40	17.20	0.68	40.8
HB9330H48	48	28.0~56.0	0.23	3600	0.63	22.20	26.50	1.04	44.3
HB9330U48	48	28.0~56.0	0.35	4200	0.72	25.60	37.30	1.47	48.6

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

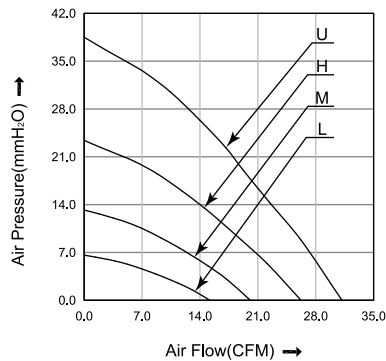
W:PWM Control input

97x94x33 mm

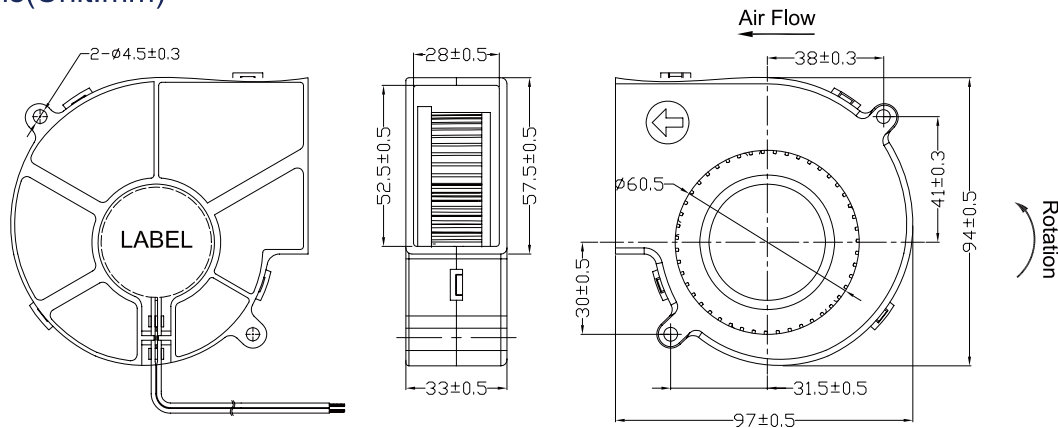
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 220.0g



■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HB9733L12	12	7.0~13.8	0.23	2200	0.43	15.20	6.60	0.26	36.0
HB9733M12	12	7.0~13.8	0.50	3000	0.57	20.10	13.20	0.52	45.0
HB9733H12	12	7.0~13.8	1.00	3800	0.74	26.20	23.40	0.92	51.0
HB9733U12	12	7.0~13.8	1.20	4500	0.88	31.20	38.50	1.52	56.0
HB9733L24	24	14.0~27.6	0.13	2200	0.43	15.20	6.60	0.26	36.0
HB9733M24	24	14.0~27.6	0.30	3000	0.57	20.10	13.20	0.52	45.0
HB9733H24	24	14.0~27.6	0.50	3800	0.74	26.20	23.40	0.92	51.0
HB9733U24	24	14.0~27.6	0.60	4500	0.88	31.20	38.50	1.52	56.0
HB9733L48	48	28.0~56.0	0.09	2200	0.43	15.20	6.60	0.26	36.0
HB9733M48	48	28.0~56.0	0.15	3000	0.57	20.10	13.20	0.52	45.0
HB9733H48	48	28.0~56.0	0.21	3800	0.74	26.20	23.40	0.92	51.0
HB9733U48	48	28.0~56.0	0.30	4500	0.88	31.20	38.50	1.52	56.0

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

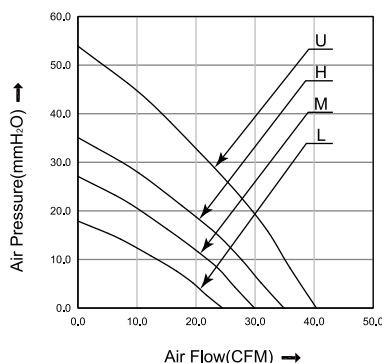
A:3rd Pulse Wire F:Techometer / Speed Sensor R:Alarm/high
Q:Alarm/low S:Alarm/high-low W:PWM Control input

HB1232 X SERIES

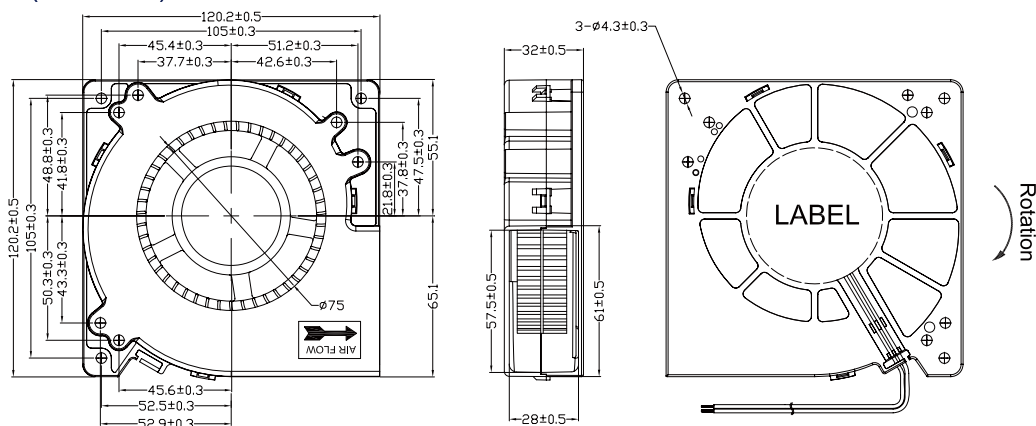
120x120x32 mm

- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent,AWG#28,Red +,Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 236.0g

■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HB1232L12	12	7.0~13.8	0.50	2400	0.69	24.50	17.90	0.71	45.1
HB1232M12	12	7.0~13.8	0.80	2800	0.85	29.90	27.10	1.07	51.1
HB1232H12	12	7.0~13.8	1.20	3200	0.99	34.90	35.10	1.38	54.2
HB1232U12	12	7.0~13.8	2.00	3800	1.14	40.40	53.90	2.12	58.9
HB1232L24	24	14.0~27.6	0.30	2400	0.69	24.50	17.90	0.71	45.1
HB1232M24	24	14.0~27.6	0.40	2800	0.85	29.90	27.10	1.07	51.1
HB1232H24	24	14.0~27.6	0.60	3200	0.99	34.90	35.10	1.38	54.2
HB1232U24	24	14.0~27.6	1.00	3800	1.14	40.40	53.90	2.12	58.9
HB1232L48	48	28.0~56.0	0.18	2400	0.69	24.50	17.90	0.71	45.1
HB1232M48	48	28.0~56.0	0.23	2800	0.85	29.90	27.10	1.07	51.1
HB1232H48	48	28.0~56.0	0.35	3200	0.99	34.90	35.10	1.38	54.2
HB1232U48	48	28.0~56.0	0.50	3800	1.14	40.40	53.90	2.12	58.9

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

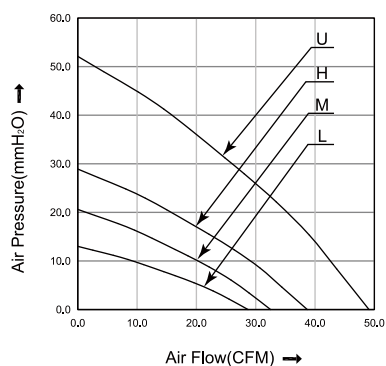
W:PWM Control input

120x120x32 mm

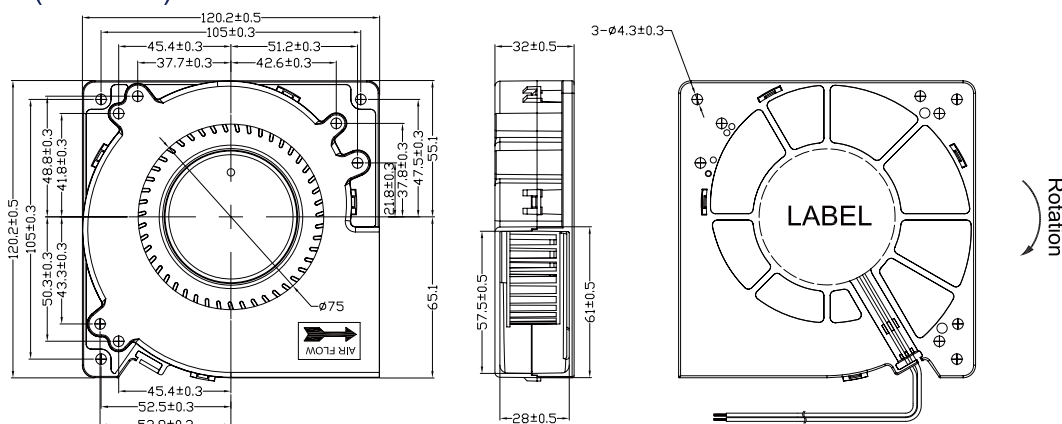
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 280.0g



■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m³/min	CFM	mmH₂O	inH₂O	dB
HB1232L12	12	7.0~13.8	0.50	2200	0.81	28.70	13.00	0.51	45.3
HB1232M12	12	7.0~13.8	0.80	2600	0.92	32.50	20.60	0.81	49.8
HB1232H12	12	7.0~13.8	1.20	3000	1.10	38.70	28.90	1.14	54.3
HB1232U12	12	7.0~13.8	2.00	3600	1.39	49.10	52.10	2.05	56.8
HB1232L24	24	14.0~27.6	0.30	2200	0.81	28.70	13.00	0.51	45.3
HB1232M24	24	14.0~27.6	0.40	2600	0.92	32.50	20.60	0.81	49.8
HB1232H24	24	14.0~27.6	0.60	3000	1.10	38.70	28.90	1.14	54.3
HB1232U24	24	14.0~27.6	1.00	3600	1.39	49.10	52.10	2.05	56.8
HB1232L48	48	28.0~56.0	0.18	2200	0.81	28.70	13.00	0.51	45.3
HB1232M48	48	28.0~56.0	0.23	2600	0.92	32.50	20.60	0.81	49.8
HB1232H48	48	28.0~56.0	0.35	3000	1.10	38.70	28.90	1.14	54.3
HB1232U48	48	28.0~56.0	0.50	3600	1.39	49.10	52.10	2.05	56.8

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

F:Techometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input

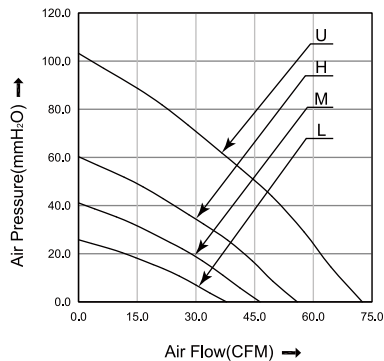
HB1340 SERIES

135x144x40 mm

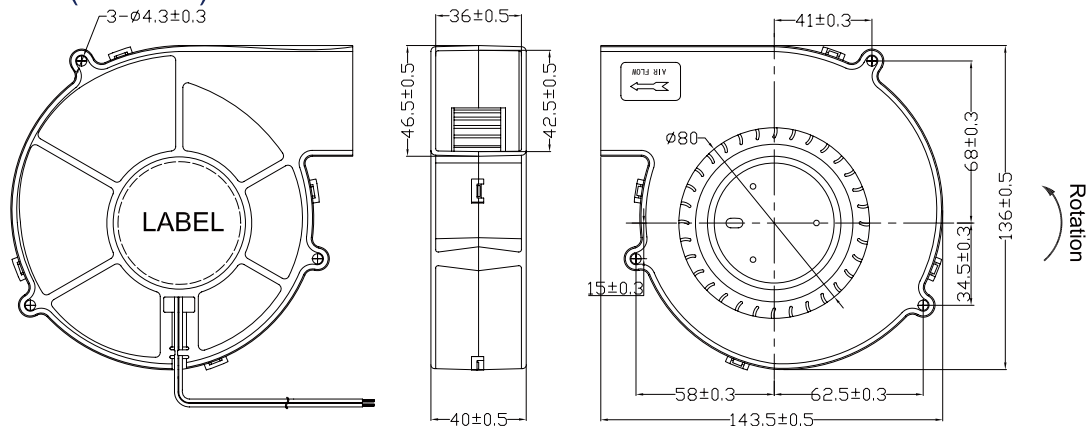
- * Frame: Plastic (Black) 94V-0
- * Impeller: Plastic (Black) 94V-0
- * Lead Wires: UL type or Equivalent, AWG#28, Red +, Black -
- * Operating Temperature: -25°C~+70°C, 5%~90%RH
- * Storage Temperature: -40°C~+80°C, 5%~90%RH
- * Weight: 352.0g



■ P&Q Curve



■ Dimensions(Unit:mm)



■ Specifications

Model No.	Rated Voltage	Operating Voltage	Rated Current	Speed	Max. Air Flow		Max. Static Pressure		Noise
	VDC	VDC	A	RPM	m ³ /min	CFM	mmH ₂ O	inH ₂ O	dB
HB1340L12	12	7.0~13.8	1.00	2000	1.07	37.80	25.80	1.02	53.2
HB1340M12	12	7.0~13.8	1.40	2500	1.31	46.40	41.10	1.62	55.7
HB1340H12	12	7.0~13.8	2.00	2800	1.58	55.90	60.30	2.38	58.2
HB1340U12	12	7.0~13.8	4.00	3800	2.05	72.50	103.20	4.07	65.4
HB1340L24	24	14.0~27.6	0.50	2000	1.07	37.80	25.80	1.02	53.2
HB1340M24	24	14.0~27.6	0.70	2500	1.31	46.40	41.10	1.62	55.7
HB1340H24	24	14.0~27.6	1.00	2800	1.58	55.90	60.30	2.38	58.2
HB1340U24	24	14.0~27.6	2.00	3800	2.05	72.50	103.20	4.07	65.4
HB1340L48	48	28.0~56.0	0.30	2000	1.07	37.80	25.80	1.02	53.2
HB1340M48	48	28.0~56.0	0.40	2500	1.31	46.40	41.10	1.62	55.7
HB1340H48	48	28.0~56.0	0.50	2800	1.58	55.90	60.30	2.38	58.2
HB1340U48	48	28.0~56.0	1.00	3800	2.05	72.50	103.20	4.07	65.4

Note:

Bearing Type: Ball Bearing-----B, Sleeve Bearing-----S, Hydraulic Bearing-----R

Function description:

A:3rd Pulse Wire

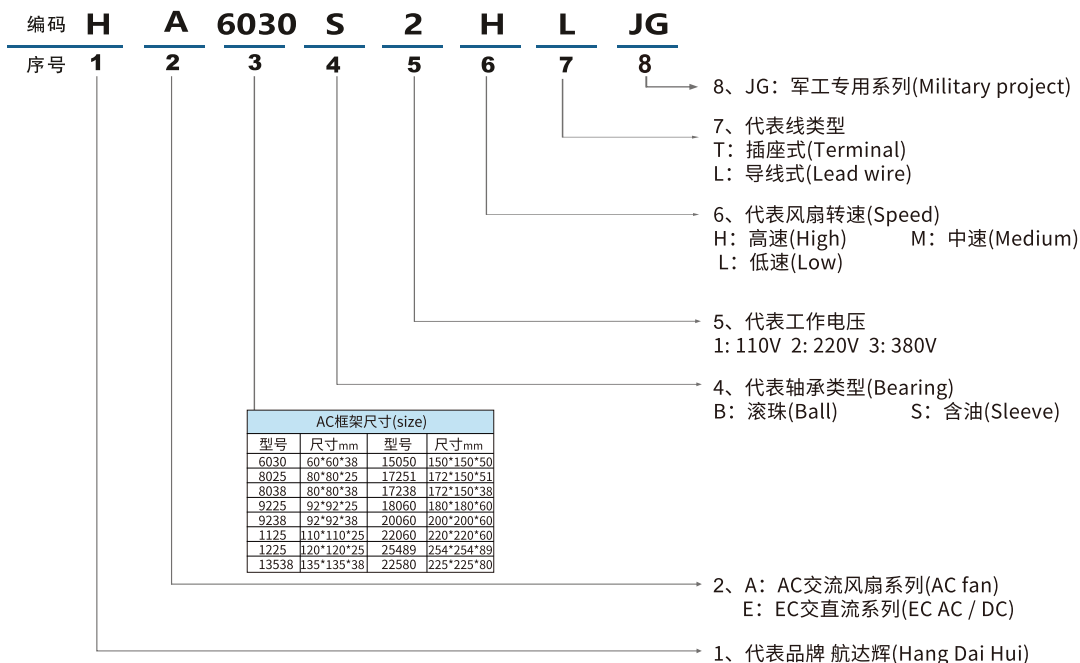
F:Techometer / Speed Sensor

R:Alarm/high

Q:Alarm/low S:Alarm/high-low

W:PWM Control input

交流风机代码说明 AC fan code shows



General Data:

* Frame: Plastic (UL94V-0) * Impeller: Plastic (UL94V-0)
 * Operating Temperature: -20°C~+70°C(non-condensing)

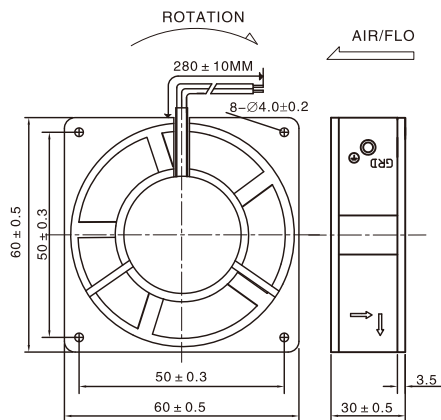
* Lead Wires: UL 1571AWG#28or Equivalent(+)Red,(-)Black
 * Storage Temperature: -40°C~+90°C(non-condensing)

6030 尺寸/Size 60x60x30mm

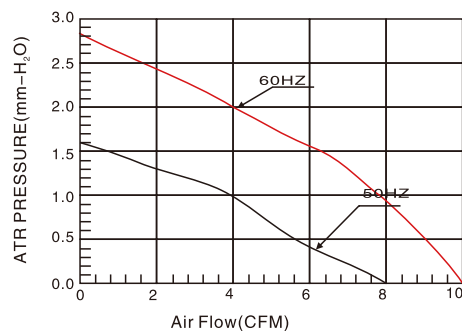
AC Axial Flow Fan



★Dimensions Drawing(外观图)



★Characteristic Curves(特性曲线)



★Specifications(规格)

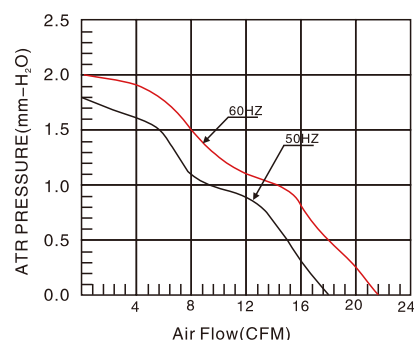
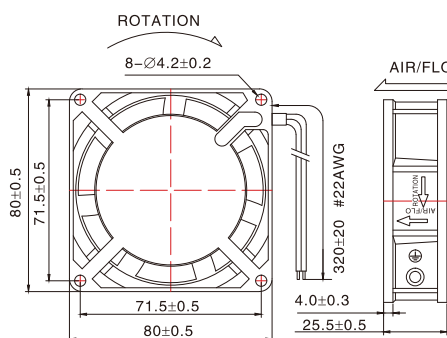
Model	Bearing System	Rated Voltage (V)	Freq. (Hz)	Current (A)	Input Power (W)	Speed (RPM)	Air Flow (CFM)	Static Pressure (mm-H ₂ O)	Noise Level (dB-A)	Weight (g)
型号	培林	电压	频率	电流	功率	转速	风量	静压	噪音	重量
HA6030B1HL	Ball	110	50/60	0.042/0.035	5/4	2500/3000	7.9/10.0	1.6/2.7	26/27	145
HA6030B2HL	Ball	230	50/60	0.022/0.020	5/4	2500/3000	7.9/10.0	1.6/2.7	26/27	145

8025 尺寸/Size 80x80x25mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

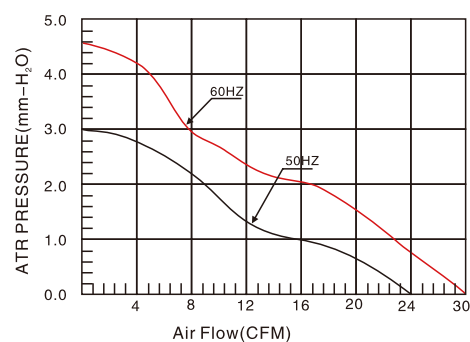
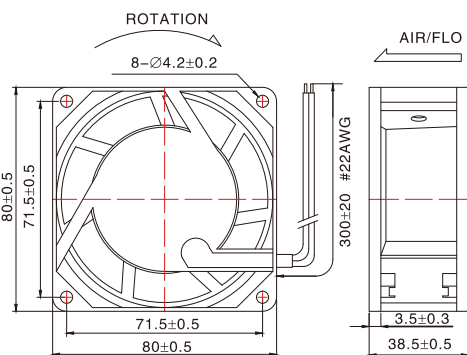
Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA8025S(B)1HL	Sleeve/Ball	110	50/60	0.13/0.11	17.0/15.0	2600/3000	21/24	4.0/5.5	28.2/33	240
HA8025S(B)1ML	Sleeve/Ball	110	50/60	0.11/0.10	13.0/10.0	2300/2600	18/21	2.9/3.4	28.2/33	240
HA8025S(B)2HL	Sleeve/Ball	220	50/60	0.09/0.08	17.0/15.0	2600/3000	21/24	4.0/5.5	28.2/33	240
HA8025S(B)2ML	Sleeve/Ball	220	50/60	0.06/0.05	13.0/10.0	2300/2600	18/21	2.9/3.4	28.2/33	240

8038 尺寸/Size 80x80x38mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

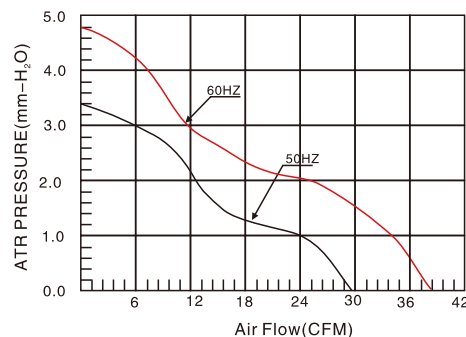
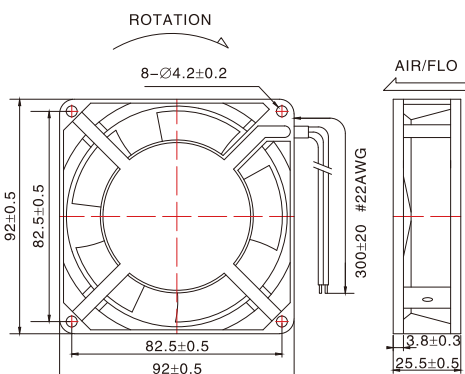
Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA8038S(B)1HL	Sleeve/Ball	110	50/60	0.15/0.13	17.0/15.0	2400/2900	23/28	2.8/4.4	34/36	300
HA8038S(B)1ML	Sleeve/Ball	110	50/60	0.10/0.11	13.0/10.0	1900/2400	20/23	2.0/2.2	27/34	300
HA8038S(B)2HL	Sleeve/Ball	220	50/60	0.08/0.06	17.0/15.0	2400/2900	23/28	2.8/4.4	34/36	300
HA8038S(B)2ML	Sleeve/Ball	220	50/60	0.06/0.05	13.0/10.0	1900/2400	20/23	2.0/2.2	27/34	300

9225 尺寸/Size 92x92x25mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

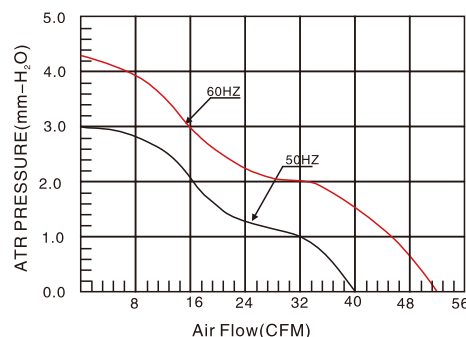
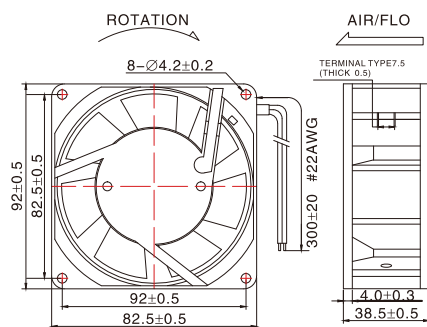
Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA9225S(B)1HL	Sleeve/Ball	110	50/60	0.15/0.13	17.0/15.0	2500/3000	24/29	4.5/6.5	33/35	280
HA9225S(B)1ML	Sleeve/Ball	110	50/60	0.11/0.10	13.0/10.0	2200/2600	21/25	3.0/3.3	29/33	280
HA9225S(B)2HL	Sleeve/Ball	220	50/60	0.09/0.08	17.0/15.0	2500/3000	24/29	4.5/6.5	33/35	280
HA9225S(B)2ML	Sleeve/Ball	220	50/60	0.06/0.05	13.0/10.0	2200/2600	21/25	3.0/3.3	29/33	280

9238 尺寸/Size 92x92x38mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



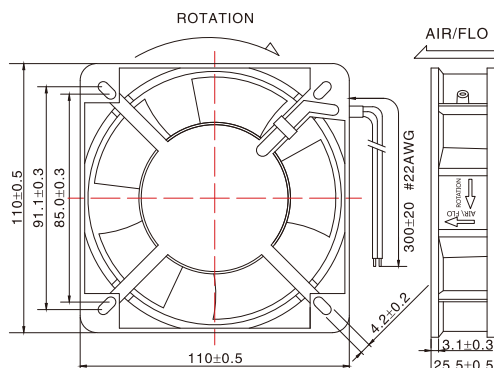
★Specifications(规格)

Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA9238S(B)1HL	Sleeve/Ball	110	50/60	0.15/0.13	17.0/15.0	2400/2800	39/46	3.60/5.20	34/36	340
HA9238S(B)1ML	Sleeve/Ball	110	50/60	0.11/0.10	13.0/10.0	1900/2400	35/39	2.90/3.20	27/34	340
HA9238S(B)2HL	Sleeve/Ball	220	50/60	0.08/0.07	17.0/15.0	2400/2800	39/46	3.60/5.20	34/36	340
HA9238S(B)2ML	Sleeve/Ball	220	50/60	0.06/0.05	13.0/10.0	1900/2400	35/39	2.90/3.20	27/34	340

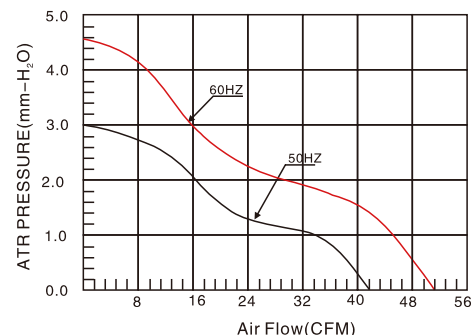
1125 尺寸/Size 110x110x25mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)



★Characteristic Curves(特性曲线)



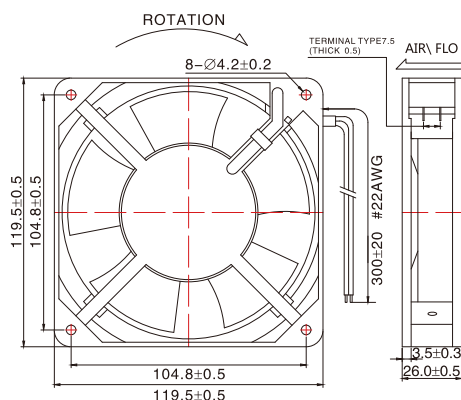
★Specifications(规格)

Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Niose Level (dB-A) 噪音	Weight (g) 重量
HA1125S(B)1HL	Sleeve/Ball	110	50/60	0.15/0.14	17.0/15.0	2300/2700	39/45	3.90/4.10	35/37	300
HA1125S(B)1ML	Sleeve/Ball	110	50/60	0.11/0.10	12.0/10.0	1800/2400	30/37	2.20/2.50	30/35	300
HA1125S(B)2HL	Sleeve/Ball	220	50/60	0.11/0.09	17.0/15.0	2300/2700	39/45	3.90/4.10	35/37	300
HA1125S(B)2ML	Sleeve/Ball	220	50/60	0.19/0.07	12.0/10.0	1800/2400	30/37	2.20/2.50	30/35	300

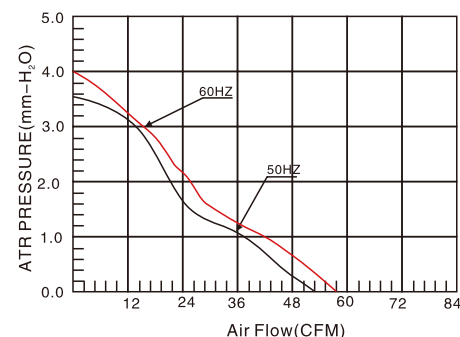
1225 尺寸/Size 120x120x25mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)



★Characteristic Curves(特性曲线)



★Specifications(规格)

Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Niose Level (dB-A) 噪音	Weight (g) 重量
HA1225S(B)1HL	Sleeve/Ball	110	50/60	0.15/0.14	13.0/11.0	2100/2500	35/37	3.80/5.0	36/38	320
HA1225S(B)1ML	Sleeve/Ball	110	50/60	0.11/0.10	13.0/11.0	1800/2400	30/35	1.80/2.0	30/36	320
HA1225S(B)2HL	Sleeve/Ball	220	50/60	0.09/0.08	18.0/14.0	2100/2500	35/37	3.80/5.0	36/38	320
HA1225S(B)2ML	Sleeve/Ball	220	50/60	0.06/0.05	18.0/14.0	1800/2400	30/35	1.80/2.0	30/36	320

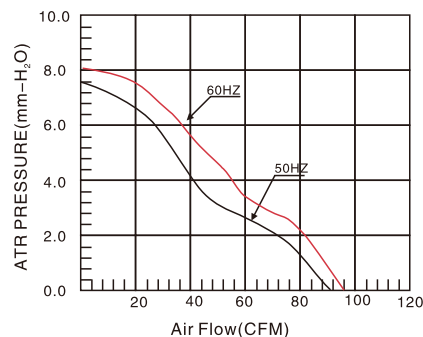
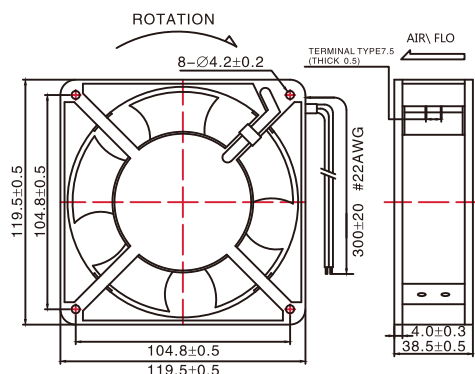
1238

尺寸/Size 120x120x38mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA1238S(B)1HL	Sleeve/Ball	110	50/60	0.24/0.22	23.0/21.0	2600/3000	80/91	6.80/8.50	42/46	530
HA1238S(B)1ML	Sleeve/Ball	110	50/60	0.15/0.14	17.0/14.0	2400/2700	72/83	5.10/6.80	39/42	530
HA1238S(B)1LL	Sleeve/Ball	110	50/60	0.11/0.10	10.0/9.0	2100/2400	66/72	3.20/5.10	35/39	530
HA1238S(B)2HL	Sleeve/Ball	220	50/60	0.24/0.22	23.0/21.0	2600/3000	80/91	6.80/8.50	42/46	530
HA1238S(B)2ML	Sleeve/Ball	220	50/60	0.15/0.14	17.0/14.0	2400/2700	72/83	5.10/6.80	39/42	530
HA1238S(B)2LL	Sleeve/Ball	220	50/60	0.11/0.10	10.0/9.0	2100/2400	33/72	3.20/5.10	35/39	530
HA1238S(B)3HL	Sleeve/Ball	380	50/60	0.07/0.06	23.0/21.0	2600/3000	80/91	6.80/8.50	42/46	530

1238

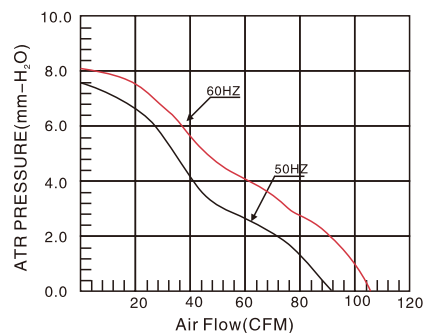
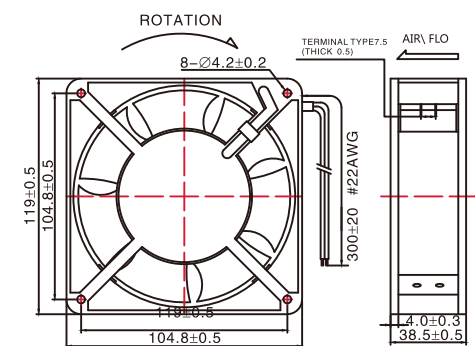
尺寸/Size 120x120x38mm (七叶)

AC Axial Flow Fan



★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA1238S(B)1HL	Sleeve/Ball	110	50/60	0.24/0.22	23.0/21.0	2600/3000	98/112	7.3/9.2	40/45	560
HA1238S(B)1ML	Sleeve/Ball	110	50/60	0.13/0.11	17.0/14.0	2400/2700	90/100	6.0/7.2	39/42	560
HA1238S(B)1LL	Sleeve/Ball	110	50/60	0.11/0.10	10.0/9.0	2100/2400	78/90	3.6/4.0	35/39	560
HA1238S(B)2HL	Sleeve/Ball	220	50/60	0.17/0.14	23.0/21.0	2600/3000	98/112	7.3/9.2	40/45	560
HA1238S(B)2ML	Sleeve/Ball	220	50/60	0.13/0.11	17.0/14.0	2400/2700	90/100	6.0/7.2	39/42	560
HA1238S(B)2LL	Sleeve/Ball	220	50/60	0.11/0.10	10.0/9.0	2100/2400	78/90	3.6/4.0	35/39	560
HA1238S(B)3HL	Sleeve/Ball	380	50/60	0.07/0.06	23.0/21.0	2600/3000	98/112	7.3/9.2	40/45	560

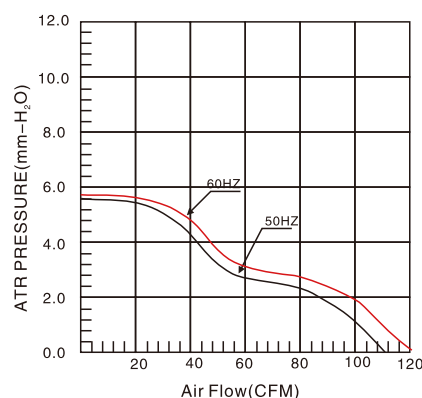
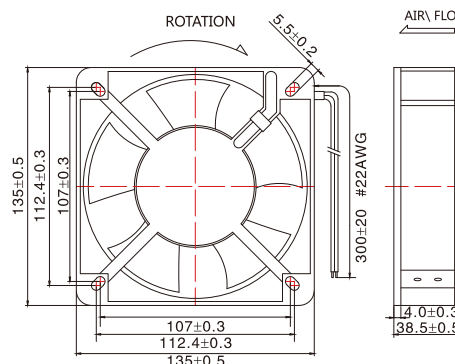
HA13538/15050 SERIES

13538 尺寸/Size 135x135x38mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

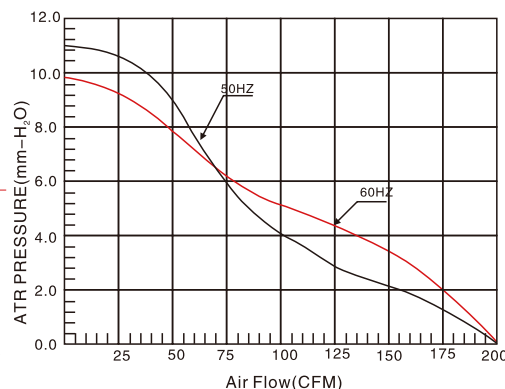
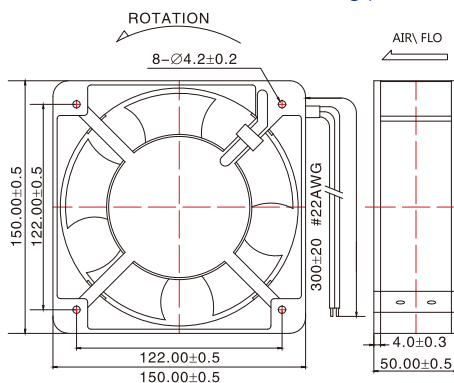
Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA13538S(B)1HL	Sleeve/Ball	110	50/60	0.24/0.20	23.0/21.0	2600/3000	115/141	6.50/6.80	43/45	570
HA13538S(B)1ML	Sleeve/Ball	110	50/60	0.15/0.13	15.0/14.0	2400/2700	107/120	4.30/5.10	41/43	570
HA13538S(B)1LL	Sleeve/Ball	110	50/60	0.13/0.11	10.0/9.0	2100/2400	93/107	1.80/3.0	39/41	570
HA13538S(B)2HL	Sleeve/Ball	220	50/60	0.15/0.13	23.0/21.0	2600/3000	115/141	6.50/6.80	43/45	570
HA13538S(B)2ML	Sleeve/Ball	220	50/60	0.11/0.09	15.0/14.0	2400/2700	107/120	4.30/5.10	41/43	570
HA13538S(B)2LL	Sleeve/Ball	220	50/60	0.07/0.06	10.0/9.0	2100/2400	93/107	1.80/3.0	39/41	570
HA13538S(B)3HL	Sleeve/Ball	380	50/60	0.07/0.06	23.0/21.0	2600/3000	115/141	6.50/6.80	43/45	570

15050 尺寸/Size 150x150x50mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

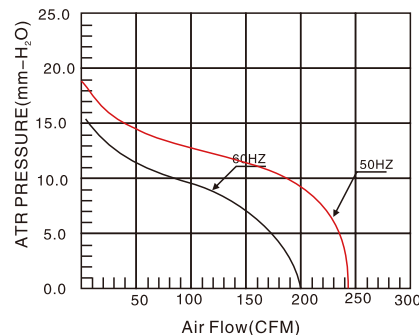
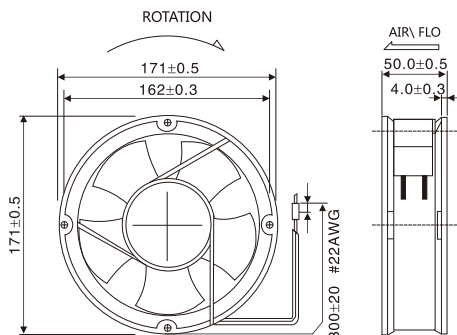
Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA15050S(B)1HL	Sleeve/Ball	110	50/60	0.46/0.44	38/36	2600/3000	170/196	11.5/14.0	49/56	800
HA15050S(B)1ML	Sleeve/Ball	110	50/60	0.33/0.30	28/27	2400/2600	155/170	7.5/9.7	45/49	800
HA15050S(B)1LL	Sleeve/Ball	110	50/60	0.15/0.13	21/20	2100/2400	137/155	3.0/3.9	39/45	800
HA15050S(B)2HL	Sleeve/Ball	220	50/60	0.25/0.22	38/39	2600/3000	170/196	11.5/14.0	49/56	800
HA15050S(B)2ML	Sleeve/Ball	220	50/60	0.18/0.16	28/27	2400/2600	155/170	7.5/9.7	45/49	800
HA15050S(B)2LL	Sleeve/Ball	220	50/60	0.13/0.11	21/20	2100/2400	137/155	3.0/3.9	39/45	800
HA15050S(B)3HL	Sleeve/Ball	380	50/60	0.15/0.13	38/36	2600/3000	170/196	11.5/14.0	49/56	800

17150 尺寸/Size 171x50mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA17150S(B)1HL	Ball/Sleeve	110/120	50/60	0.50/0.45	34/33	2700/2950	190/235	16.0/17.8	45/50	900
HA17150S(B)2HL		220/240	50/60	0.22/0.24	34/33	2700/2950	190/235	16.0/17.8	45/50	900
HA17150S(B)3HL		380	50/60	0.13	34	2500	190	16	45	900

1751

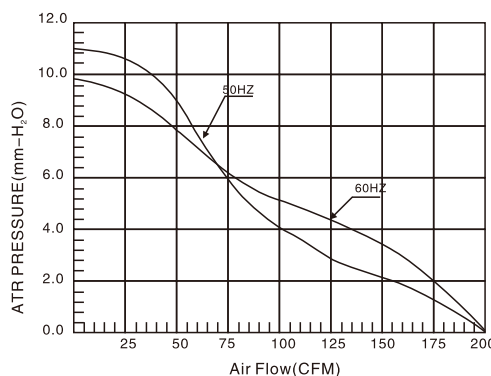
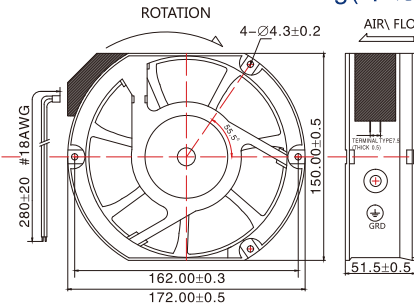
172X150X51mm

AC Axial Flow Fan



★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA1751S(B)1HL	Sleeve/Ball	110	50/60	0.48/0.45	38/36	2600/3000	170/196	11.5/14.0	49/56	920
HA1751S(B)1ML	Sleeve/Ball	110	50/60	0.33/0.30	28/27	2400/2600	155/170	7.5/9.7	45/49	920
HA1751S(B)1LL	Sleeve/Ball	110	50/60	0.15/0.13	21/20	2100/2400	137/155	3.0/3.9	39/45	920
HA1751S(B)2HL	Sleeve/Ball	220	50/60	0.25/0.22	38/36	2600/3000	170/196	11.5/14.0	49/56	920
HA1751S(B)2ML	Sleeve/Ball	220	50/60	0.19/0.15	28/27	2400/2600	155/170	7.5/9.7	45/49	920
HA1751S(B)2LL	Sleeve/Ball	220	50/60	0.14/0.13	21/20	2100/2400	137/155	3.0/3.9	39/45	920
HA1751S(B)3HL	Sleeve/Ball	380	50/60	0.14/0.13	38/36	2600/3000	170/196	11.5/14.0	49/56	920

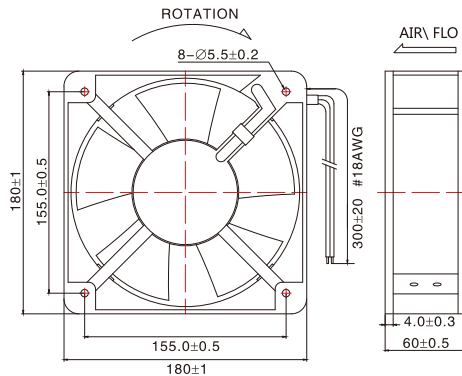
HA18060/20060 SERIES

18060 尺寸/Size 180x180x60mm

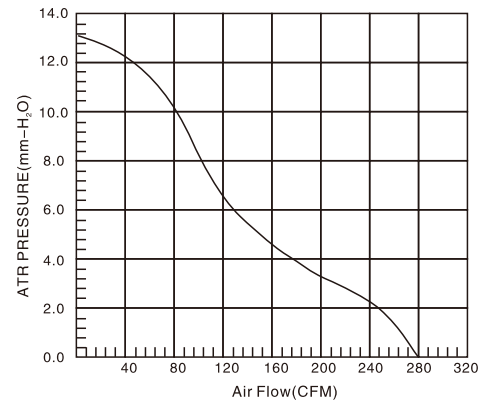
AC Axial Flow Fan



★Dimensions Drawing(外观图)



★Characteristic Curves(特性曲线)



★Specifications(规格)

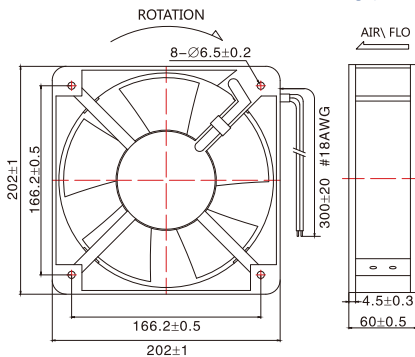
Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ² o) 静压	Niose Level (dB-A) 噪音	Weight (g) 重量
HA18060B1HL	Ball	110	60	0.69	56	2600	280	13.18	59	1600
HA18060B2HL	Ball	220	50	0.30	45	2600	280	13.18	59	1600
HA18060B3HL	Ball	380	50	0.16	42	2550	275	13.10	59	1600

20060 尺寸/Size 200x200x60mm

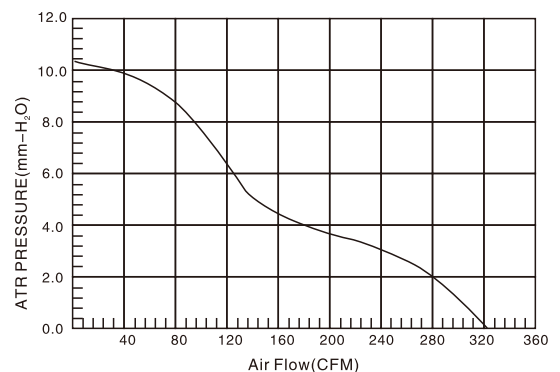
AC Axial Flow Fan



★Dimensions Drawing(外观图)



★Characteristic Curves(特性曲线)



★Specifications(规格)

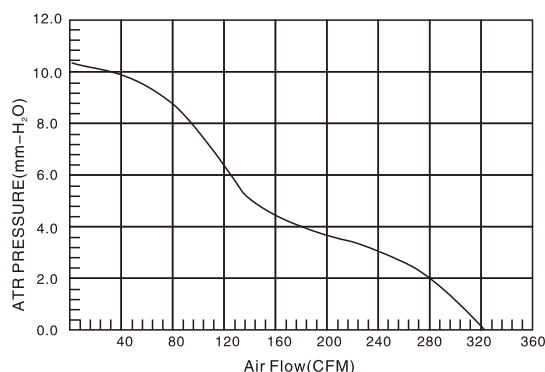
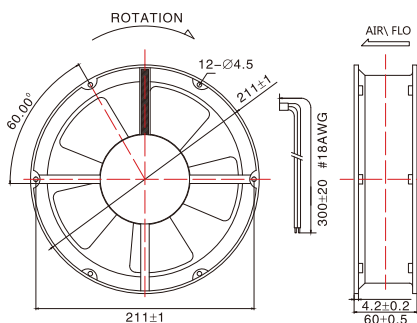
Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ² o) 静压	Niose Level (dB-A) 噪音	Weight (g) 重量
HA20060B1HL	Ball	110	60	0.69	56	2500	325	10.40	59	1700
HA20060B2HL	Ball	220	50	0.30	48	2500	325	10.40	59	1700
HA20060B3HL	Ball	380	50	0.16	45	2500	325	10.40	59	1700

22060 尺寸/Size 220x60mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

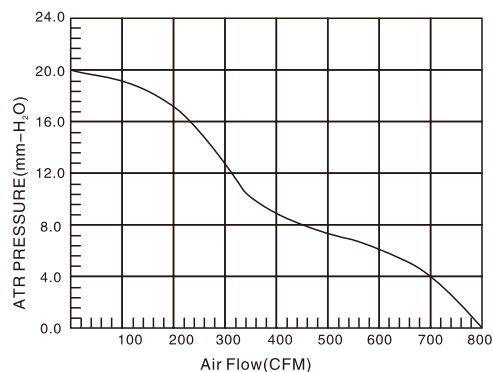
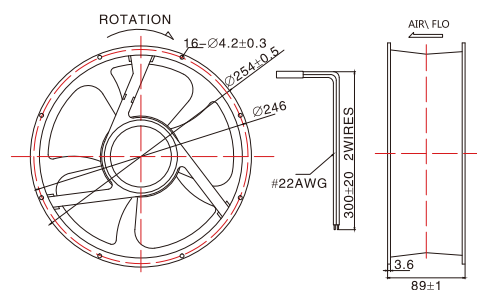
Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA22060B1HL	Ball	110	60	0.69	56	2500	325	10.40	59	1700
HA22060B2HL	Ball	220	50	0.30	48	2500	325	10.40	59	1700
HA22060B3HL	Ball	380	50	0.16	45	2500	325	10.40	59	1700

25489 尺寸/Size 254x89mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA25489B1HL	Ball	110	50/60	0.41/0.59	44/63	2200/2600	700/800	19.80	80	2100
HA25489B2HL	Ball	220	50/60	0.22/0.18	45/62	2600/2600	800/800	19.80	80	2100
HA25489B3HL	Ball	380	50/60	0.15/0.18	50/68	2700/2700	800/800	19.80	80	2100

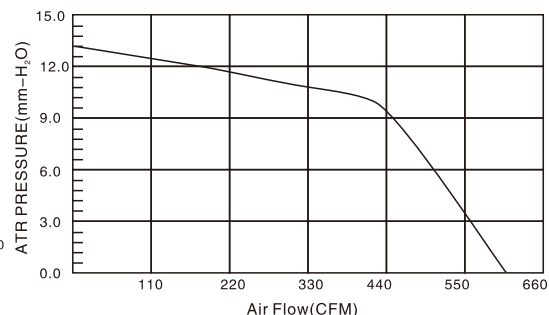
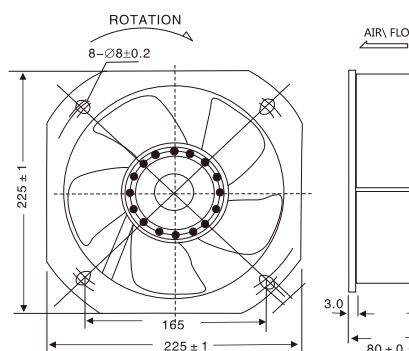
HA22580/28080 SERIES

22580 尺寸/Size 225x225x80mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

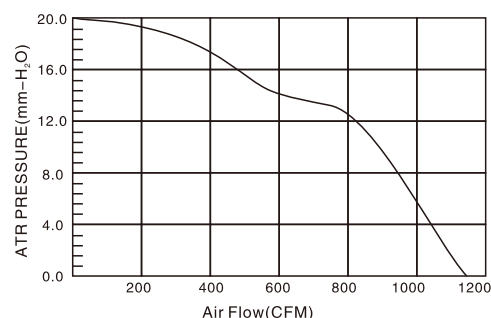
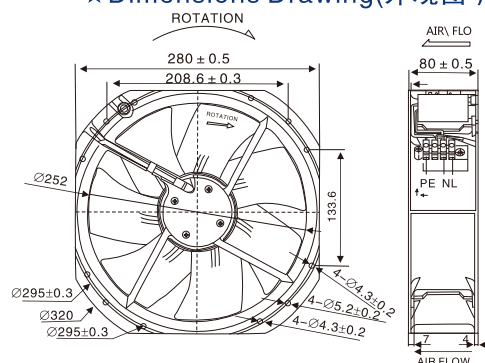
Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA22580B2HL	Ball	220	50/60	0.40	80	2600	600.3	17.0	65	2140
HA22580B3HL	Ball	380	50/60	0.32	80	2600	600.3	17.0	65	2140

28080 尺寸/Size 280x280x80mm

AC Axial Flow Fan

★Dimensions Drawing(外观图)

★Characteristic Curves(特性曲线)



★Specifications(规格)

Model 型号	Bearing System 培林	Rated Voltage (V) 电压	Freq. (Hz) 频率	Current (A) 电流	Input Power (W) 功率	Speed (RPM) 转速	Air Flow (CFM) 风量	Static Pressure (mm-H ₂ O) 静压	Noise Level (dB-A) 噪音	Weight (g) 重量
HA28080B1HL	Ball	115	50/60	1.50/1.00	148/112	2550/2700	1090/1130	16.5/20.0	68/70	2800
HA28080B2HL	Ball	230	50/60	0.82/0.59	148/112	2550/2700	1090/1130	16.5/20.0	68/70	2800

通风过滤网组

Ventilation filter screen



HL-801



HL-802



HL-803



HL-804



HL-805



HL-806



HL-205



HL-256

一、产品应用行业：

广泛应用于（数控设备、激光设备、注塑机、吹瓶机）等自动化控制装置、电子电源设备、医疗设备、电焊机、包装、印刷设备，办公自动化设备的通风、防尘散热之用，具有防尘效率高、体积小、免维护、安装方便等特点。

二、材质：普通ABS/阻燃ABS。

三、用于散热风扇、直流风扇(DC Fan)、交流风扇(AC Fan)等产品的配套使用。

四、精品版通风过滤网的优点：

- 1、全新环保ABS材质，颜色达到乳白色；
- 2、棱柱厚度达到4MM以上；
- 3、模具精良，安装风机螺母的位置精确；
- 4、安装螺母镀达克罗，防腐且环保；
- 5、过滤纤维密度均匀、柔软，厚度达到18MM以上。

五、通风过滤网组的特点：

- 1、安装简单、快速，只需开一正方形孔一卡即可，还可通过螺丝进行进一步固定；
- 2、沿边加上高级密封胶条，可以防止雨水沿着过滤器从开孔处进入控制柜中；
- 3、过滤棉全部采用特殊材料（耐热阻燃塑料）制造而成；维护简单快捷，借助叶栅上HE的特殊设计可以直接打开清洗过滤棉；
- 4、在特殊情况下用户可以根据需求把风机通过简单反装可以任意选择抽风或吹风。

六、通风过滤网组的材料说明：

- 1、通风网本体材料：环保ABS树脂（可定制，阻燃级）；
- 2、滤网材质：进口尼龙纤维合成树脂；
- 3、螺丝组：4-8PCS，镀锌；
- 4、除尘率AFI：89%；
- 5、防护等级：IP44。

型号	适用风扇	外形尺寸	螺丝孔距	开孔尺寸
801	80	106*106*10	91*91	80.5*80.5
802	92	116*116*10	101*101	90.5*90.5
803	120	148*148*13	131*131	122*122
804	120、150、172	204*204*13	184*184	173*173
205	120、150、172	204*204*13	184*184	173*173
805	172、200、220	256*256*13	239*239	227*277

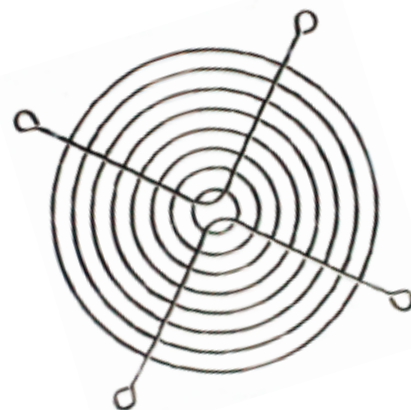
DC Blowers

DC Axial Fan

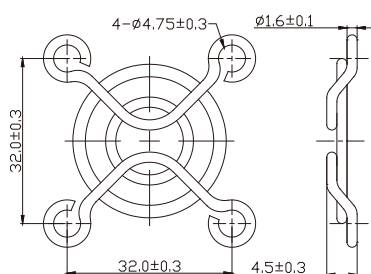
Cross Flow Fan

AC Axial Fan

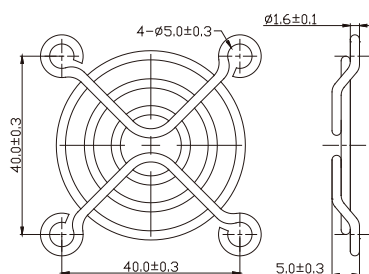
METEL FINGER GUARD



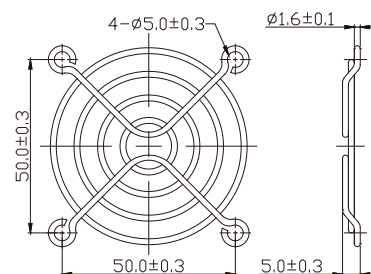
■ Dimensions(Unit:mm)



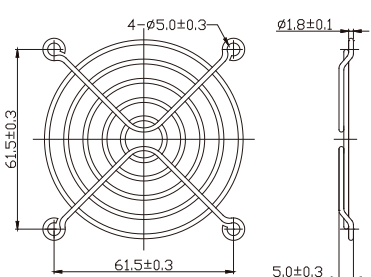
HT-40 for 40mm Fan



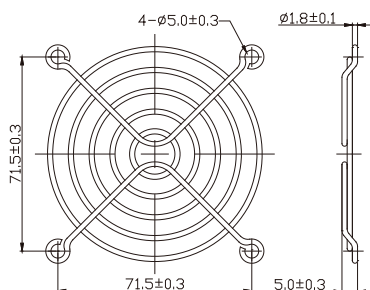
HT-50 for 50mm Fan



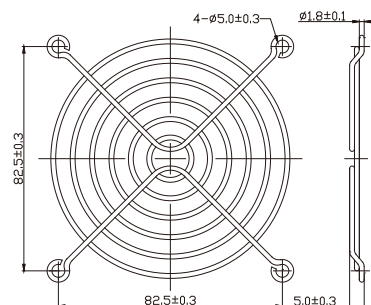
HT-60 for 60mm Fan



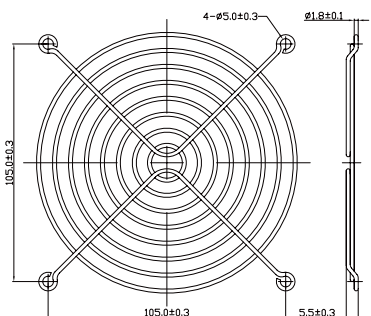
HT-70 for 70mm Fan



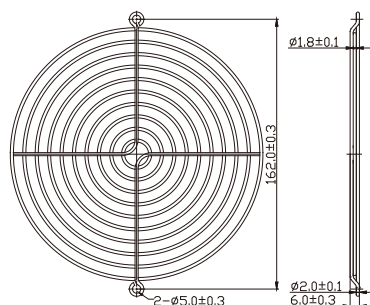
HT-80 for 80mm Fan



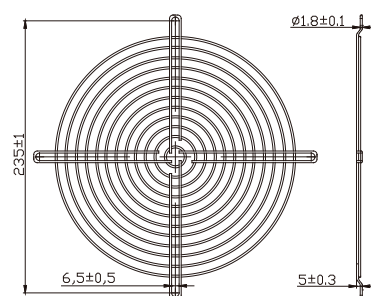
HT-92 for 92mm Fan



HT-120 for 120mm Fan



HT-172 for 172mm Fan



HT-200 for 200mm Fan

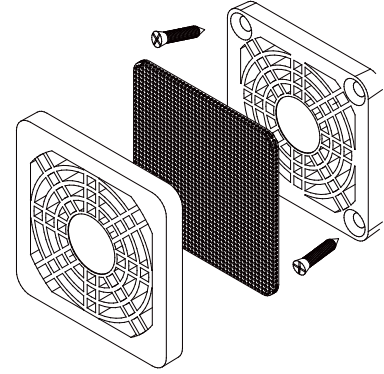
DC Blowers

DC Axial Fan

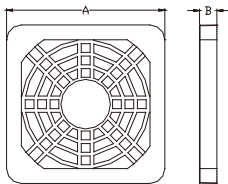
Cross Flow Fan

AC Axial Fan

PLASTIC FILTER GUARD



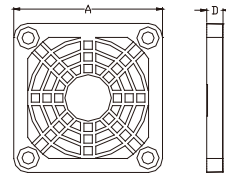
■ Dimensions(Unit:mm)



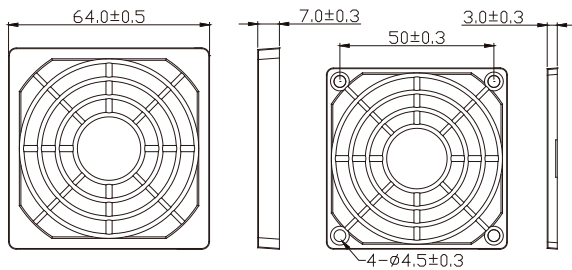
**Remainer
(ABS UL94V-0)
& Carbon Filter**



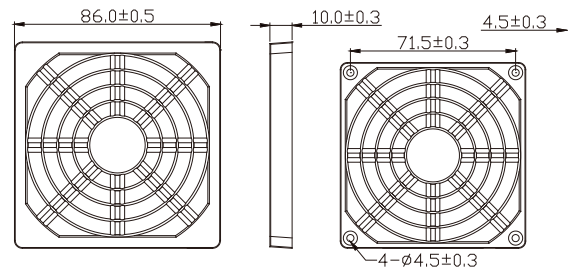
Filter



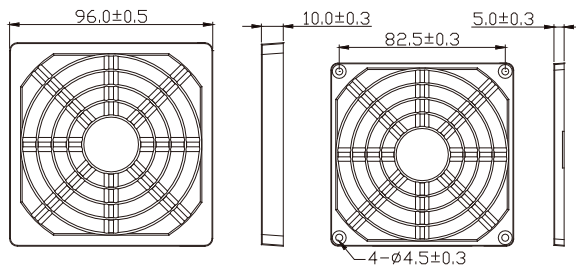
**Finger Guard
(ABS UL94V-0)**



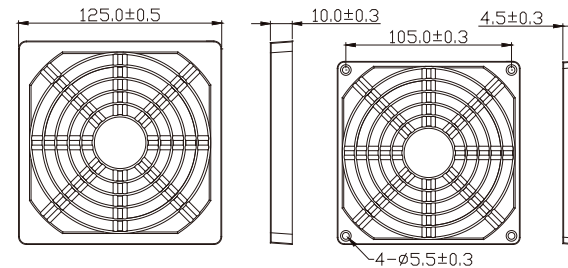
HF-60 for 60mm Fan



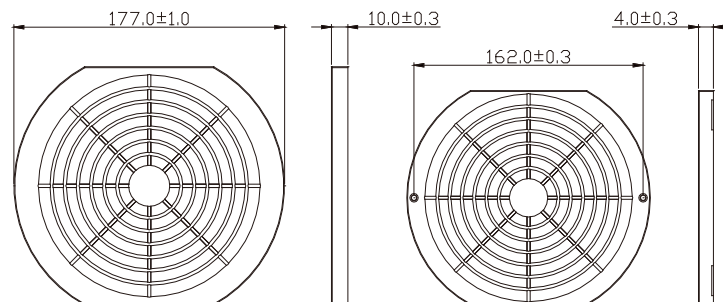
HF-80 for 80mm Fan



HF-92 for 92mm Fan



HF-120 for 120mm Fan



HF-172 for 172mm Fan

DC Blowers

DC Axial Fan

Cross Flow Fan

AC Axial Fan