

General Specifications

Motor Type: DC Brushless Motor

Motor Protection:

Auto Restart/Polarity Protection
(Motor withstands reverse connection for positive and negative leads.)

Insulation Resistance:

10M Ω or over with a DC500V Megger

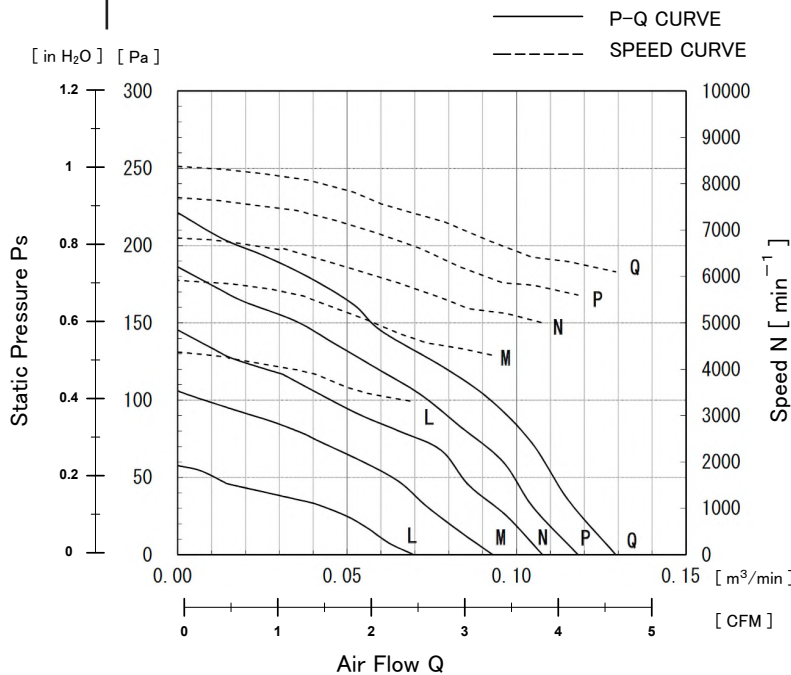
Dielectric Withstand Voltage:

AC 700V 1s or 500V 1min

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)
-40°C ~ +70°C (Storage)
(non-condensing environment)

Characteristics Curves



DC Blower Benefits & Applications

DC Blower

With high static pressure, NMB centrifugal blowers are suitable for cooling electronic systems generating lots of heat and high impedance from back pressure. A DC blower contains a circular impeller within an enclosed cage, which is often referred to as a “squirrel cage”. This design allows DC Blowers to create directed airflow under high pressure conditions. A DC Blower has a more concentrated airflow in which the equipment pulls air in from the sides and forces it out at a concentrated 90° angle.

Benefits

- High pressure and high airflow
- Cost savings with sleeve bearing, yet reliable
- Concentrated airflow to effectively cool target
- Smooth PQ curve with no knee
- Tacho Signal output for speed monitoring

Applications

- Factory Automation
- Humidifiers
- Telecomm
- OA Equipment
- Network Servers
- Home Appliances
- Medical Devices

Life Expectancy L10

40°C 40,000 Hours

Specifications

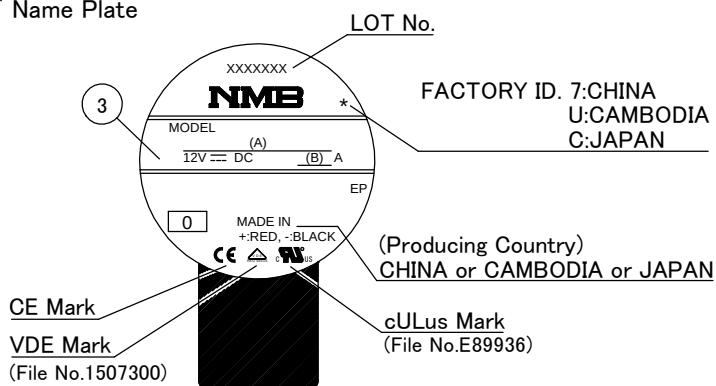
MODEL	Rating Voltage (V)	Operating Voltage (V)	Current		Input Power		Speed (min ⁻¹)*1	Max. Air Flow		Max. Static Pressure		Noise (dB)*1	Mass (g)
			Avg (A)*1	Max (A)*1	Avg (W)*1	Max (W)*1		(CFM)	(m³/min)	(in H ₂ O)	(Pa)		
05115GS-12L-AAD-0	12	6.0 ~ 13.8	0.04	0.07	0.48	0.84	3300	2.47	0.07	0.22	55	25.0	26
05115GS-12M-AAD-0			0.07	0.10	0.84	1.20	4300	3.18	0.09	0.44	110	31.5	
05115GS-12N-AAD-0			0.10	0.14	1.20	1.68	5000	3.88	0.11	0.58	145	35.5	
05115GS-12P-AAD-0			0.12	0.17	1.44	2.04	5600	4.24	0.12	0.74	185	38.5	
05115GS-12Q-AAD-0		6.0 ~ 13.2	0.15	0.21	1.80	2.52	6000	4.59	0.13	0.88	220	40.5	

Materials

Casing	: Plastic (Black UL94V-0)
Impeller	: Plastic (Black UL94V-0)
Bearing	: Sleeve Bearing
Lead Wire	: UL1061 AWG26 (+) : Red (-) : Black

Outline

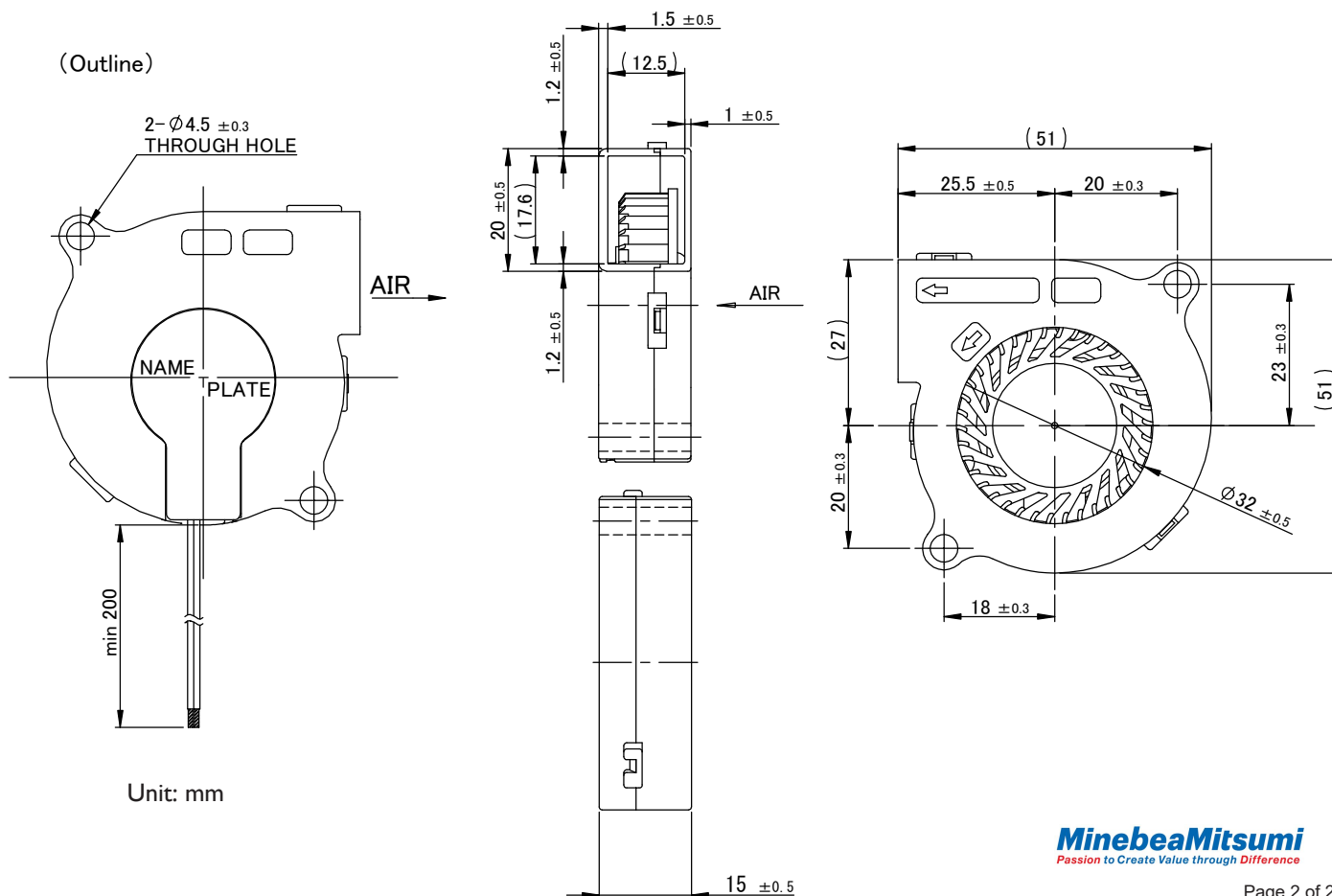
Name Plate



(A)	(B)
Model Name	Current
05115GS-12L-AAD	0.07
05115GS-12M-AAD	0.10
05115GS-12N-AAD	0.14
05115GS-12P-AAD	0.17
05115GS-12Q-AAD	0.21

DC Blower

(Outline)



Mouser Electronics

Authorized Distributor

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<u>05115GS-12L-AA-00</u>	<u>05115GS-12L-AL-00</u>	<u>05115GS-12L-AT-00</u>	<u>05115GS-12M-AA-00</u>	<u>05115GS-12M-AL-00</u>
<u>05115GS-12M-AT-00</u>	<u>05115GS-12N-AA-00</u>	<u>05115GS-12N-AL-00</u>	<u>05115GS-12N-AT-00</u>	<u>05115GS-24M-AA-00</u>
<u>05115GS-12N-AAD-0</u>	<u>05115GS-12Q-ALD-0</u>	<u>05115GS-12P-ALD-0</u>	<u>05115GS-12N-ATD-0</u>	<u>05115GS-12P-ATD-0</u>
<u>05115GS-12Q-ATD-0</u>	<u>05115GS-12Q-AAD-0</u>	<u>05115GS-12P-AAD-0</u>	<u>05115GS-24P-AAD-0</u>	<u>05115GS-12N-ALD-0</u>
<u>05115GS-24M-ALD-0</u>	<u>05115GS-12M-ALD-0</u>	<u>05115GS-12L-ALD-0</u>	<u>05115GS-12M-ATD-0</u>	<u>05115GS-12M-AAD-0</u>
<u>05115GS-24M-ATD-0</u>	<u>05115GS-12L-ATD-0</u>	<u>05115GS-24M-AAD-0</u>		