

## Common Specifications

- Vibration Test:** ..... Conforms to JIS C 60068-2-6, Amplitude: 1.5mm, Frequency 10 to 55 Hz, 1 hour in each of the X, Y and Z directions.
- Shock Test:** ..... Conforms to JIS C 60068-2-27, Acceleration rate: 981 m/s<sup>2</sup>\*, Application time: 6ms once each in the X, Y and Z directions. Note: For the BM4515, BM5115, BM5125 and BM6015 series, the conditions of the shock test are as follows: Acceleration rate 500 m/s<sup>2</sup>, Application time: 11ms once each in the X, Y and Z directions.
- Locked Rotor Protection :** .. The motor is protected from burnout in the locked rotor condition for 72 hours, at the rated voltage.
- Polarity Protection :** ..... The fans are Reverse Polarity protected at the rated voltage.
- Insulation Class :** ..... E class (UL: Class A)
- Auto Restart:**..... Most fan models provide current shut-down/auto restart function under locked rotor conditions.

*Notes:* Additional performance requirements can be determined between manufacturer and customer, based on customer's request.  
Ball bearing fans and blowers may be installed in a horizontal, vertical or angled position

## BM Part Numbering System

BM 51 15 - 04 W - B 3 0 - L 00  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

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|--|---|---|--|
| <p><b>1. Series</b><br/>BM Series</p> <p><b>2. Size</b><br/>45: 45mm<br/>51: 51mm<br/>60: 60mm</p> <p><b>3. Thickness</b><br/>15: 15mm<br/>25: 25mm</p> <p><b>4. Input Voltage</b><br/>O: Standard Current<br/>C: Special Current<br/>D~Z: Special Current<br/>(A.B.O. are not used)</p> | <p><b>5. Termination</b><br/>Lead Wire</p> <p><b>6. Bearing</b><br/>B: Ball Bearing<br/>S: Sleeve Bearing</p> <p><b>7. Speed</b><br/>1&lt;2&lt;3&lt;4&lt;5<br/>low high</p> | <p><b>8. Special Control Function</b><br/>0: Standard Type<br/>9: Sensor Type<br/>8: 2-Speed Type<br/>7: Temperature Detecting Variable Speed Type/PWM Control Type<br/>6: Temperature Detecting Variable Speed Type/Sensor Type<br/>5: 2-Speed Type/Sensor Type</p> <p><b>9. Classification</b><br/>L-Standard Model/Rib Type<br/>T-Value Model/Rib Type</p> | <p><b>10. Individual Specifications</b><br/>Standard Type<br/>00: Standard<br/>01~99: Custom<br/>Sensor Type<br/>00: Locked Rotor Alarm Signal (Standard Type)<br/>01~49: Locked Rotor Alarm Signal (Custom Type)<br/>50: Tachometer Signal (Standard Type)<br/>51~99: Tachometer Signal (Custom Type)</p> |
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## BG Part Numbering System

BG 07 03 - B 04 - 4 - 000 - 00  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

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|---|---|--|---|
| <p><b>1. Series</b><br/>BG Series</p> <p><b>2. Size</b><br/>07: 75mm<br/>08: 80mm<br/>09: 95mm<br/>10: 100mm<br/>12: 120mm</p> <p><b>3. Thickness</b><br/>01: 18mm<br/>02: 25mm<br/>03: 30~33mm</p> | <p><b>4. Bearing</b><br/>B: Ball Bearing<br/>S: Sleeve Bearing</p> <p><b>5. Input Voltage</b><br/>O: Standard Current<br/>C: Special Current<br/>D~Z: Special Current<br/>(A.B.O. are not used)</p> <p>1: 5V 5: 24V<br/>2: 6V 6: 36V<br/>3: 9V 7: 48V<br/>4: 12V 9: Other</p> | <p><b>6. Speed</b><br/>1&lt;2&lt;3&lt;4&lt;5<br/>low high</p> <p><b>7. Special Control Function</b><br/>0 0 0<br/>A B C<br/>A: Special Control Function<br/>O: Fix Speed Type<br/>2: 2-Speed Type<br/>V: Temperature Detecting Variable Speed Type<br/>P: PWM Control Type</p> | <p>B: Thermistor Mounting Position<br/>O: No Thermistor<br/>T: Thermistor On PCB<br/>C: Output Signal<br/>O: No Signal<br/>L: Locked Rotor Alarm Signal<br/>S: Tachometer Signal</p> <p><b>8. Product Number</b><br/>00: Standard<br/>01~ : Customized Standard<br/>T0: Standard Value<br/>T1~ : Customized Value</p> |
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