

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/s²*, Application time: 6ms once each in the X, Y and Z directions. Note: For the 1604KL, 1608KL, and 2406KL series, the conditions of the shock test are as follows: Acceleration rate: 500 m/s², 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 may be installed in a horizontal, vertical or angled position

Part Numbering System

24 10 M L - 04 W - B 1 0 - X 00
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

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|--|---|--|------|----------------|----------------|----|----------------|----------|----|----------------|-------------|----|----------------|----------|----|----------------|-------------|----|----------------|----------|----|----------------|-------------|---|
| <p>1. Frame Size</p> <ul style="list-style-type: none"> 10:25mm 12:30mm 14:35mm 16:40mm 20:50mm 21:52mm 24:60mm 28:70mm 31:80mm 36:92mm 47:119mm 50:127mm 59:150mm 68:172mm | <p>3. Series</p> <ul style="list-style-type: none"> P Series M Series N Series K Series H Series S Series F Series R Series V Series <p>4. Motor Function</p> <ul style="list-style-type: none"> Brushless Type DCM <p>5. Input Voltage</p> <ul style="list-style-type: none"> O: Standard Current C: Special Current D~Z: Special Current (A.B.O. are not used) <p>1: 5V 5: 24V
 2: 6V 6: 36V
 3: 9V 7: 48V
 4: 12V 9: Other</p> <p>6. Termination</p> <ul style="list-style-type: none"> W: Lead Wires T: Terminal (Terminal option on 3610KL and 4715KL Series) | <p>7. Bearing</p> <ul style="list-style-type: none"> B: Ball Bearing S: Sleeve Bearing <p>8. Speed</p> <ul style="list-style-type: none"> 1<2<3<4<5<6<7<8 low high <p>9. Special Control Function</p> <ul style="list-style-type: none"> 0: Standard Type 9: Sensor Type 7: Temperature Detecting Variable Speed Type/PWM Control Type 6: Temperature Detecting Variable Speed Type/Sensor Type 5: 2-Speed Type/Sensor Type 8: 2-Speed Type <p>10. Product Number</p> <table border="0" style="width: 100%;"> <tr> <td>Item</td> <td>Classification</td> <td>Mounting Style</td> </tr> <tr> <td>L:</td> <td>Standard Model</td> <td>Rib Type</td> </tr> <tr> <td>P:</td> <td>Standard Model</td> <td>Flange Type</td> </tr> <tr> <td>B:</td> <td>Standard Model</td> <td>Rib Type</td> </tr> <tr> <td>E:</td> <td>Standard Model</td> <td>Flange Type</td> </tr> <tr> <td>G:</td> <td>Standard Model</td> <td>Rib Type</td> </tr> <tr> <td>D:</td> <td>Standard Model</td> <td>Flange Type</td> </tr> </table> | Item | Classification | Mounting Style | L: | Standard Model | Rib Type | P: | Standard Model | Flange Type | B: | Standard Model | Rib Type | E: | Standard Model | Flange Type | G: | Standard Model | Rib Type | D: | Standard Model | Flange Type | <p>11. Individual Specifications</p> <p>Standard Type</p> <ul style="list-style-type: none"> 00 Standard 01~99: Custom <p>Sensor Type</p> <ul style="list-style-type: none"> 00: Locked Rotor Alarm Signal (Standard) 01~49: Locked Rotor Alarm Signal (Custom) 50: Tachometer Signal (Standard) 51~99: Tachometer Signal (Custom) |
| Item | Classification | Mounting Style | | | | | | | | | | | | | | | | | | | | | | |
| L: | Standard Model | Rib Type | | | | | | | | | | | | | | | | | | | | | | |
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