

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

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

1. Frame Size

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

3. Series

P Series
M Series
N Series
K Series
H Series
S Series
F Series
R Series
V Series

4. Motor Function

Brushless Type DCM

5. Input Voltage

O: Standard Current
C: Special Current
D~Z: Special Current
(A.B.O. are not used)

2. Overall Length (Thickness)

04:10mm
06:15mm
08:20mm
10:25mm
12:32mm
15:38mm
20:50mm

6. Termination

W: Lead Wires
T: Terminal
(Terminal option on 3610KL and 4715KL Series)

7. Bearing

B: Ball Bearing
S: Sleeve Bearing

8. Speed

1<2<3<4<5<6<7<8
low high

9. Special Control Function

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

10. Product Number

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

11. Individual Specifications

Standard Type

00 Standard
01~99: Custom

Sensor Type

00: Locked Rotor Alarm Signal (Standard)
01~49: Locked Rotor Alarm Signal (Custom)
50: Tachometer Signal (Standard)
51~99: Tachometer Signal (Custom)

