

# DC 6025-03



## SIZE :

60x60x25mm (2.36"x2.36"x0.98")

## CONSTRUCTION :

Glass fiber reinforced plastic:

Impeller and housing PBT are UL 94V-0 rating

## OPERATING TEMPERATURE :

Ball bearing - 30°C to + 75°C

Sleeve bearing - 10°C to + 70°C

## INSULATION RESISTANCE :

10meg Ohm min. at 500 VDC

(between frame and terminal)

## DIELECTRIC STRENGTH :

5mA max. at 500 VAC 60Hz one minute

(between frame and terminal)

## FUNCTION :

frequency generator or rotation detection signal option

## WEIGHT :

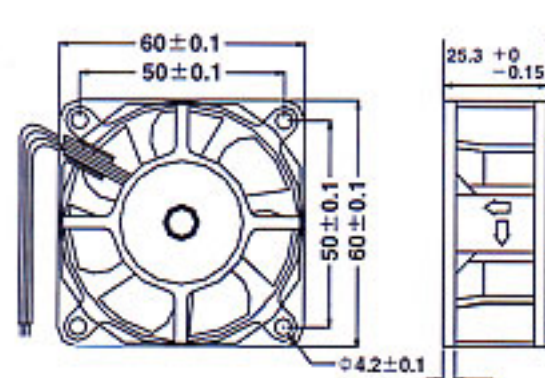
75 grams

## Specifications

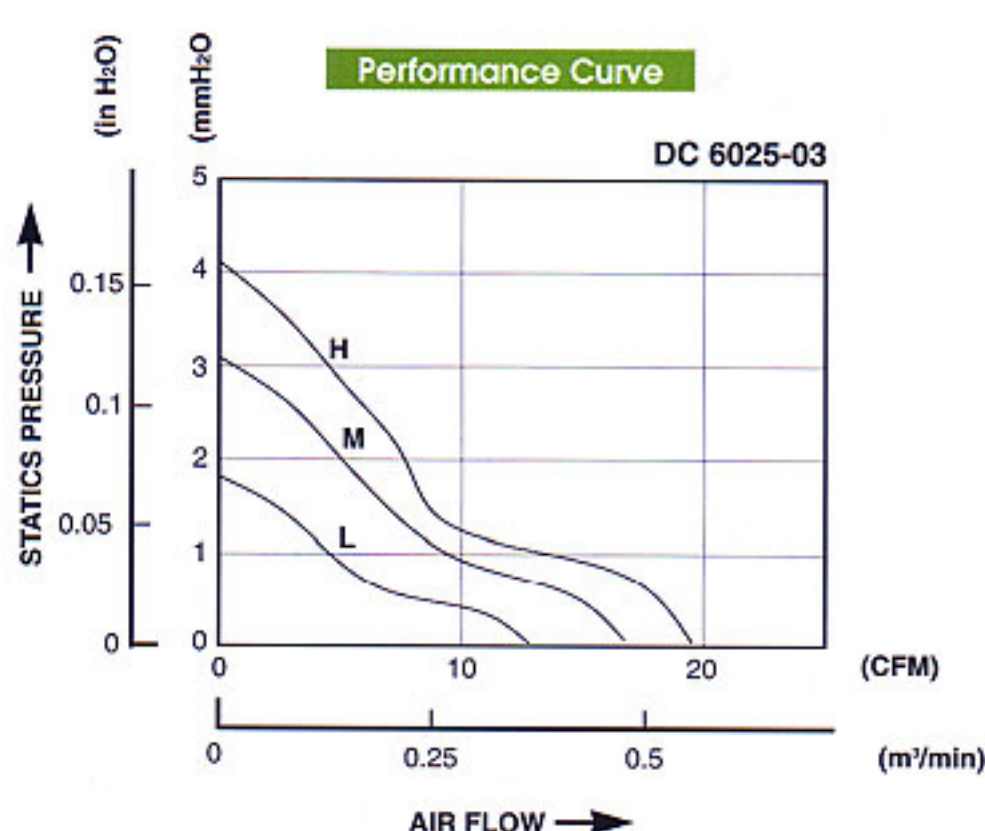
Specifications are subject to change without notice

| MODEL NO.    | BEARING       | RATED VOLTAGE | OPERATING VOLTAGE RANGE | RATED CURRENT | RATED INPUT POWER | SPEED<br>R.P.M. | MAX. AIR FLOW |      | MAX. AIR PRESSURE |        | NOISE<br>dB-A |
|--------------|---------------|---------------|-------------------------|---------------|-------------------|-----------------|---------------|------|-------------------|--------|---------------|
|              |               | VDC           | V                       | A             | W                 |                 | m³/min        | CFM  | mmH₂O             | IN H₂O |               |
| BP602512L-03 | Ball          | 12            | 10.2-13.8               | 0.09          | 1.08              | 2600            | 0.36          | 12.8 | 1.8               | 0.074  | 23            |
| SP602512L-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602512L-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |
| BP602512M-03 | Ball          | 12            | 10.2-13.8               | 0.11          | 1.32              | 3200            | 0.47          | 16.7 | 3.1               | 0.122  | 25            |
| SP602512M-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602512M-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |
| BP602512H-03 | Ball          | 12            | 10.2-13.8               | 0.13          | 1.56              | 3800            | 0.55          | 19.5 | 4.12              | 0.162  | 29.6          |
| SP602512H-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602512H-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |
| BP602524L-03 | Ball          | 24            | 20.4-27.6               | 0.08          | 1.92              | 2600            | 0.36          | 12.8 | 1.8               | 0.074  | 23            |
| SP602524L-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602524L-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |
| BP602524M-03 | Ball          | 24            | 20.4-27.6               | 0.10          | 2.40              | 3200            | 0.47          | 16.7 | 3.1               | 0.122  | 25            |
| SP602524M-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602524M-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |
| BP602524H-03 | Ball          | 24            | 20.4-27.6               | 0.12          | 2.88              | 3800            | 0.55          | 19.5 | 4.12              | 0.162  | 29.6          |
| SP602524H-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602524H-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |

## Dimensions (mm)



## Performance Curve



# DC 6025-03 (Super)



## SIZE :

60x60x25mm (2.36"x2.36"x0.98")

## CONSTRUCTION :

Glass fiber reinforced plastic:

Impeller and housing PBT are UL 94V-0 rating

## OPERATING TEMPERATURE :

Ball bearing - 30°C to + 75°C

Sleeve bearing - 10°C to + 70°C

## INSULATION RESISTANCE :

10meg Ohm min. at 500 VDC

(between frame and terminal)

## DIELECTRIC STRENGTH :

5mA max. at 500 VAC 60Hz one minute

(between frame and terminal)

## FUNCTION :

auto-restart

frequency generator or rotation detection signal option

## WEIGHT :

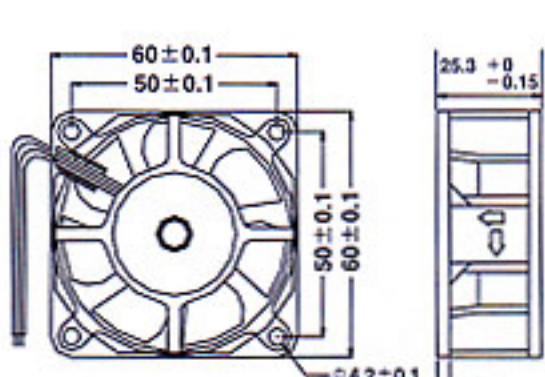
75 grams

## Specifications

Specifications are subject to change without notice

| MODEL NO.     | BEARING       | RATED VOLTAGE | OPERATING VOLTAGE RANGE | RATED CURRENT | RATED INPUT POWER | SPEED<br>R.P.M. | MAX. AIR FLOW |      | MAX. AIR PRESSURE |        | NOISE<br>dB-A |
|---------------|---------------|---------------|-------------------------|---------------|-------------------|-----------------|---------------|------|-------------------|--------|---------------|
|               |               | VDC           | V                       | A             | W                 |                 | m³/min        | CFM  | mmH₂O             | IN H₂O |               |
| BP602512HL-03 | Ball          | 12            | 10.2-13.8               | 0.23          | 2.76              | 5000            | 0.78          | 27.4 | 7.25              | 0.29   | 37.8          |
| SP602512HL-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602512HL-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |
| BP602512HM-03 | Ball          | 12            | 10.2-13.8               | 0.34          | 4.08              | 6000            | 0.94          | 33.2 | 10.3              | 0.40   | 42.4          |
| SP602512HM-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602512HM-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |
| BP602512HH-03 | Ball          | 12            | 10.2-13.8               | 0.39          | 4.68              | 7000            | 1.09          | 38.4 | 13.4              | 0.527  | 46.7          |
| SP602512HH-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602512HH-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |
| BP602524HL-03 | Ball          | 24            | 20.4-27.6               | 0.13          | 3.12              | 5000            | 0.78          | 27.4 | 7.25              | 0.29   | 37.8          |
| SP602524HL-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602524HL-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |
| BP602524HM-03 | Ball          | 24            | 20.4-27.6               | 0.18          | 4.32              | 6000            | 0.94          | 33.2 | 10.3              | 0.40   | 42.4          |
| SP602524HM-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602524HM-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |
| BP602524HH-03 | Ball          | 24            | 20.4-27.6               | 0.22          | 5.28              | 7000            | 1.09          | 38.4 | 13.4              | 0.527  | 46.7          |
| SP602524HH-03 | Sleeve        |               |                         |               |                   |                 |               |      |                   |        |               |
| BS602524HH-03 | Ball & Sleeve |               |                         |               |                   |                 |               |      |                   |        |               |

## Dimensions (mm)



## Performance Curve

