



新昱股份有限公司

Chan Yu Technology Co., Ltd.

Quality

Efficient

## **BLOWER**

### AC BLOWER

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Head Office : No. 6-6-3, Gushan 3rd Rd., Gushan District, Kaohsiung City 804, Taiwan (R.O.C.)

Export Dep : Rm 06,B1F., No 321, Dadun 4th St., Nantun Dist., Taichung City 408, Taiwan (R.O.C.)

Head Office Tel : 886-7-532 5777 Fax : 886-7-532 6777Export Dep:886-4-24718676

E-mail: sales@chanyu.com.tw





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#### DC BLOWER:

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□120x120x31 mm  
(□4.72x4.72x1.22 in)



**Frame:** Aluminum die cast

**Impeller :** Plastic

**Ambient Temperature Range:** -20°C ~ +70°C

**Operating Voltage Range:** Rated Voltage ±10%

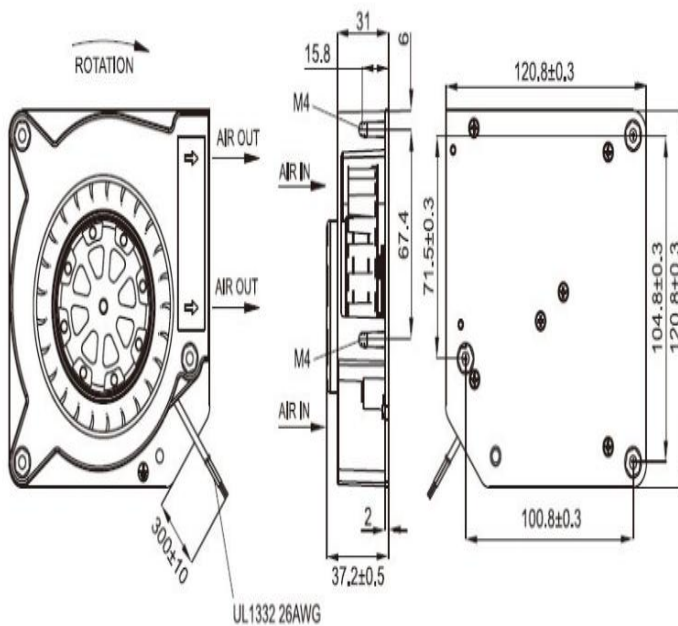
**Bearing:** Ball bearing

**Motor Structure:** Shaded pole or Capacitor induction

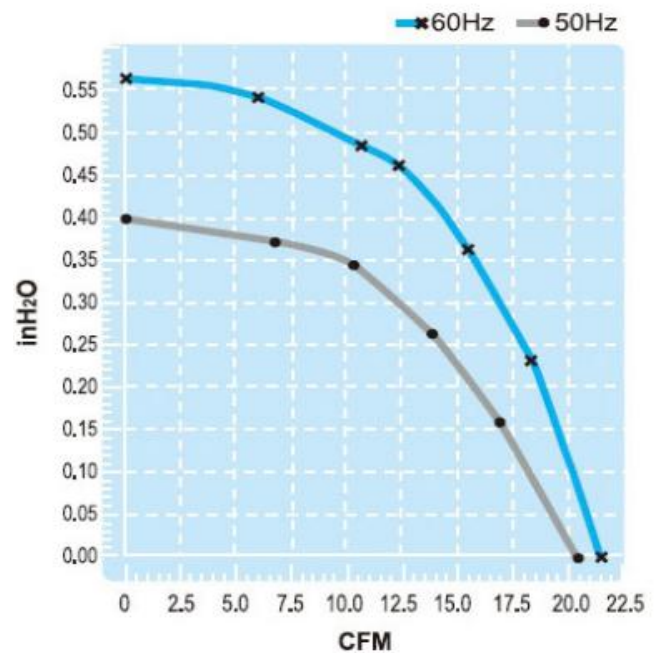
**Termination:** Lead wire

**Package:** 660g / PC

### Dimension (units:mm)



### Characteristic Curves



## SPECIFICATION

| Model      | Voltage (V) | Freq. (Hz) | Power (W) | Speed (RPM) | Air Flow (CFM) | Pressure (mm Aq) | Noise (dB) |
|------------|-------------|------------|-----------|-------------|----------------|------------------|------------|
| CYB11231HB | 115         | 50/60      | 19/18     | 2500/2700   | 20/21          | 10/13            | 49/51      |
| CYB21231HB | 230         | 50/60      | 19/18     | 2500/2700   | 20/21          | 10/13            | 49/51      |



□125x126x39 mm  
(□4.92x4.96x1.53 in)



**Frame:** Aluminum die cast

**Impeller :** Glass fiber reinforced plastic

**Ambient Temperature Range:** -20°C ~ +75°C

**Operating Voltage Range:** Rated Voltage ±10%

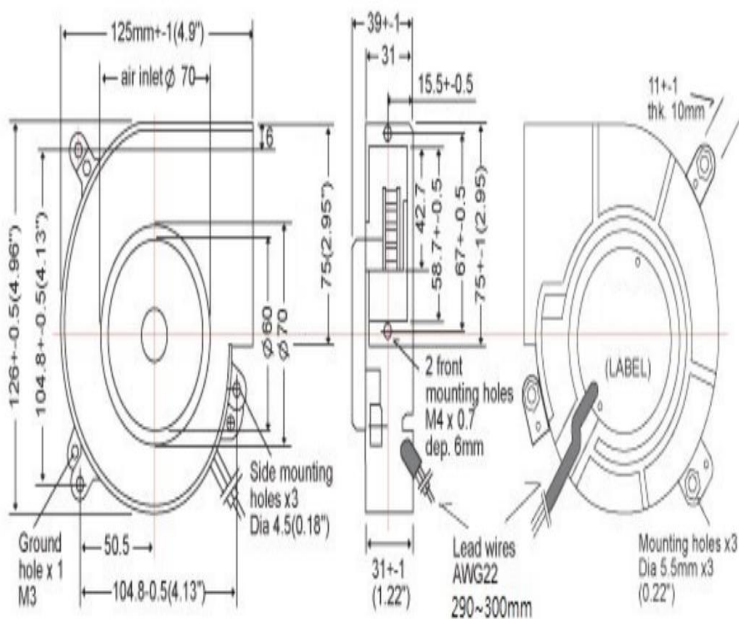
**Bearing:** Ball bearing

**Motor Structure:** Shaded pole induction, single-phase

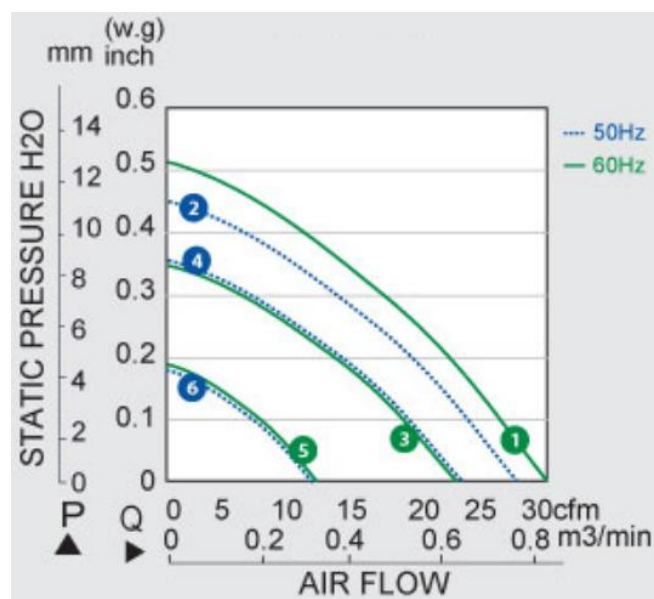
**Termination:** Lead wire

**Package:** 525g / PC

### Dimension (units:mm)



### Characteristic Curves



## SPECIFICATION

| Model      | Voltage (V) | Freq. (Hz) | Power (W) | Speed (RPM) | AirFlow (CFM) | Pressure (mm Aq) | Noise (dB) |
|------------|-------------|------------|-----------|-------------|---------------|------------------|------------|
| CYB11239HB | 115         | 50/60      | 20/18     | 2500/2700   | 28/30         | 10.92/12.95      | 48         |
| CYB21239HB | 230         | 50/60      | 20/18     | 2500/2700   | 28/30         | 10.92/12.95      | 48         |





□183x190x70 mm  
(□7.2x7.48x2.75 in)



**Frame:** Aluminum die cast

**Impeller :** Glass fiber reinforced plastic UL94V-0

**Ambient Temperature Range:** -20°C ~ +75°C

**Operating Voltage Range:** Rated Voltage ±10%

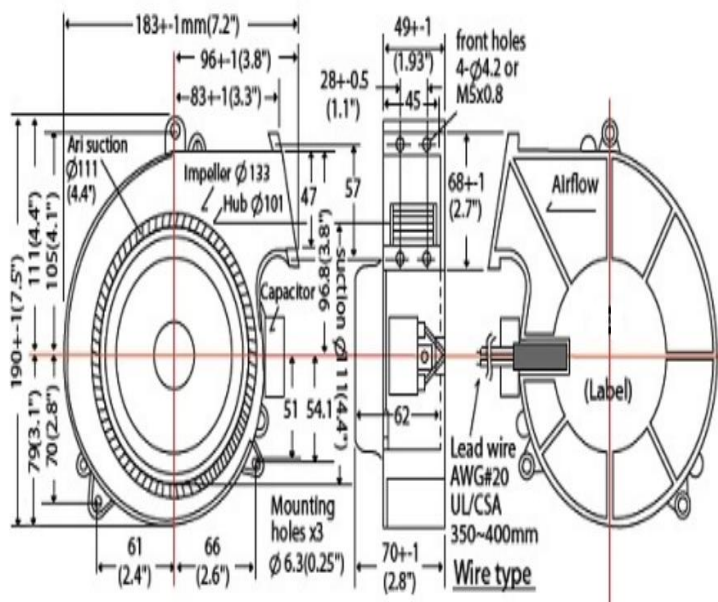
**Bearing:** Ball bearing

**Motor Structure:** Capacitor induction

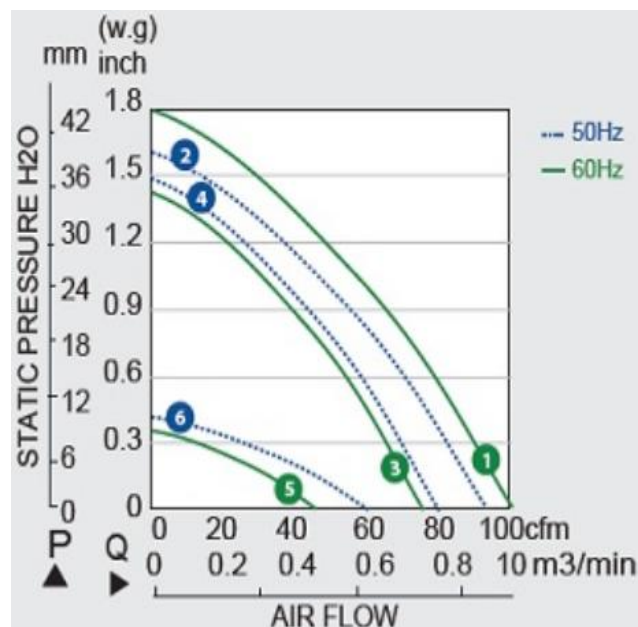
**Termination:** Lead wire

**Package:** 1650g / PC

### Dimension (units:mm)



### Characteristic Curves



## SPECIFICATION

| Model      | Voltage (V) | Freq. (Hz) | Power (W) | Speed (RPM) | AirFlow (CFM) | Pressure (mm Aq) | Noise (dB) |
|------------|-------------|------------|-----------|-------------|---------------|------------------|------------|
| CYB11870HB | 115         | 50/60      | 65/80     | 2650/2800   | 90/100        | 40.64/45.72      | 69         |
| CYB21870HB | 230         | 50/60      | 65/80     | 2650/2800   | 90/100        | 40.64/45.72      | 69         |



□220x220x56 mm  
(□8.66x8.66x2.2 in)



**Frame:** Aluminum die cast

**Impeller :** Plastic

**Ambient Temperature Range:** -20°C ~ +70°C

**Operating Voltage Range:** Rated Voltage ±10%

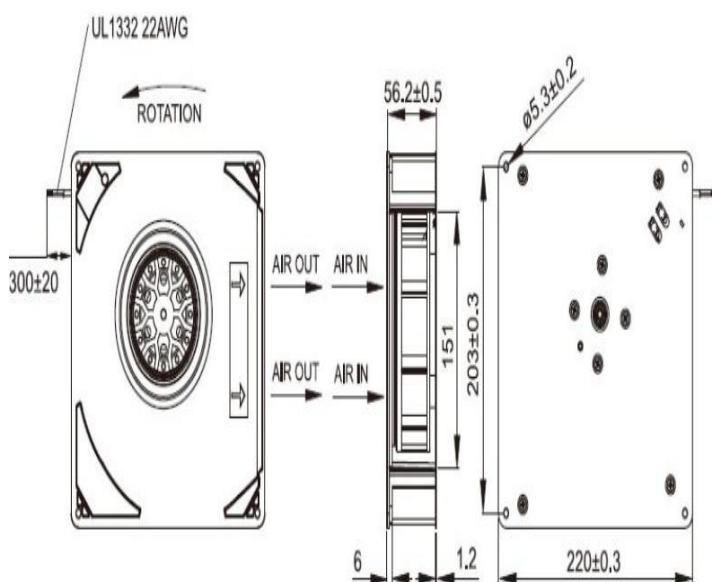
**Bearing:** Ball bearing

**Motor Structure:** Shaded pole or Capacitor induction

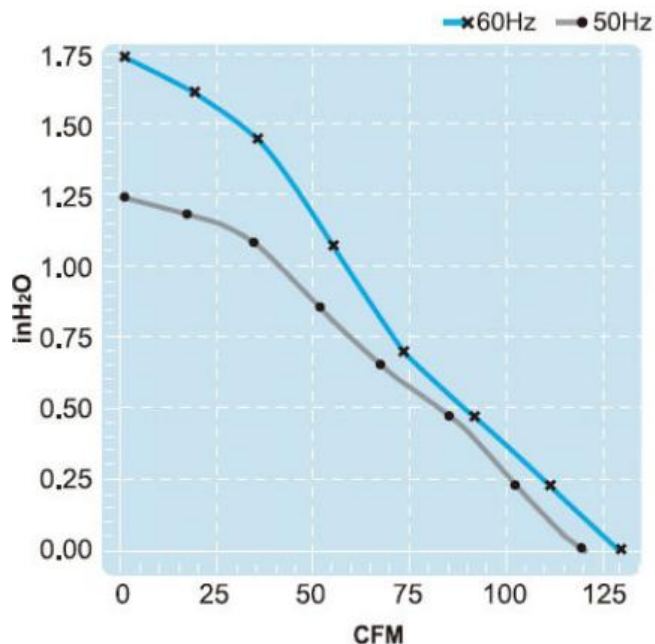
**Termination:** Lead wire

**Package:** 1730g / PC

### Dimension (units:mm)



### Characteristic Curves



## SPECIFICATION

| Model      | Voltage (V) | Freq. (Hz) | Power (W) | Speed (RPM) | AirFlow (CFM) | Pressure (mm Aq) | Noise (dB) |
|------------|-------------|------------|-----------|-------------|---------------|------------------|------------|
| CYB12256HB | 115         | 50/60      | 50/52     | 2700/2900   | 118/126       | 33/46            | 63/65      |
| CYB23389HB | 230         | 50/60      | 50/53     | 2700/2900   | 118/126       | 33/46            | 63/65      |



□330x330x89 mm  
(□13x13x3.5 in)



**Frame:** Aluminum die cast

**Impeller :** Glass fiber reinforced plastic UL94V-0

**Ambient Temperature Range:** -20°C ~ +70°C

**Operating Voltage Range:** Rated Voltage ±10%

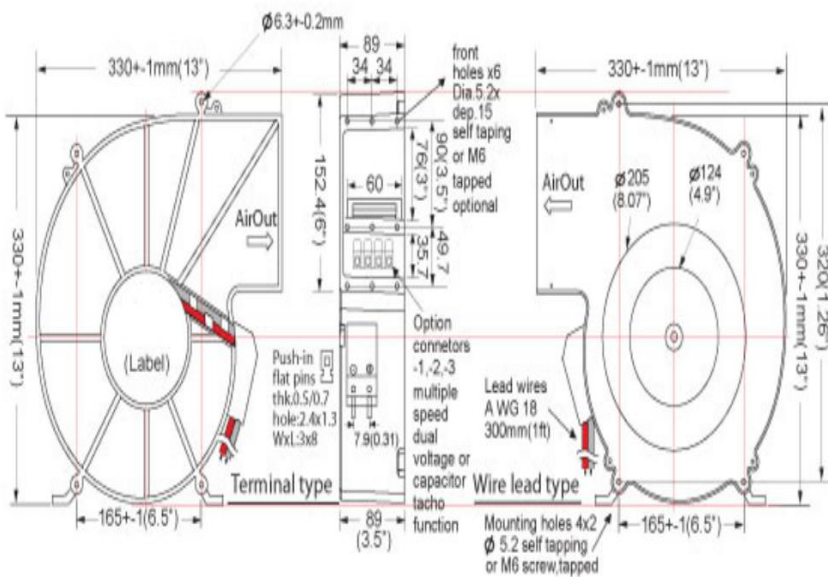
**Bearing:** Ball bearing

**Motor Structure:** Capacitor induction, single-phase

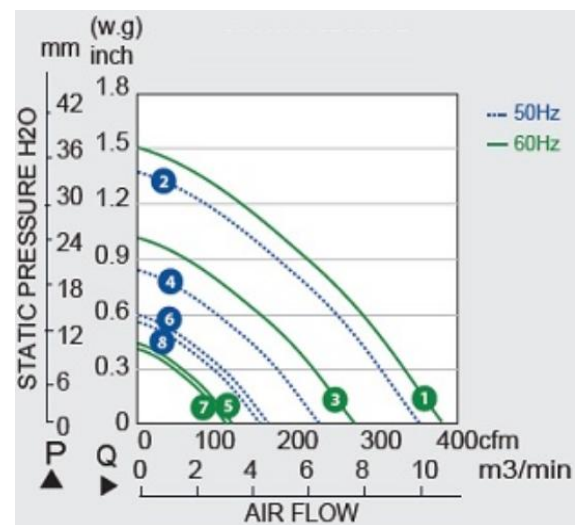
**Termination:** Lead wire or Terminals

**Package:** 5900g / PC

### Dimension (units:mm)



### Characteristic Curves



## SPECIFICATION

| Model      | Voltage (V) | Freq. (Hz) | Power (W) | Speed (RPM) | AirFlow (CFM) | Pressure (mm Aq) | Noise (dB) |
|------------|-------------|------------|-----------|-------------|---------------|------------------|------------|
| CYB13389HB | 115         | 50/60      | 300/350   | 2200/2300   | 350/380       | 33.02/38.1       | 66         |
| CYB23389HB | 230         | 50/60      | 300/350   | 2200/2300   | 350/380       | 33.02/38.1       | 66         |



## Single Inlet Blower 110v 2Pole Performance



**Impeller:** Steel

**Ambient Temperature Range:** -20°C ~ +70°C

**Insulation:** F class

**Bearing:** Ball

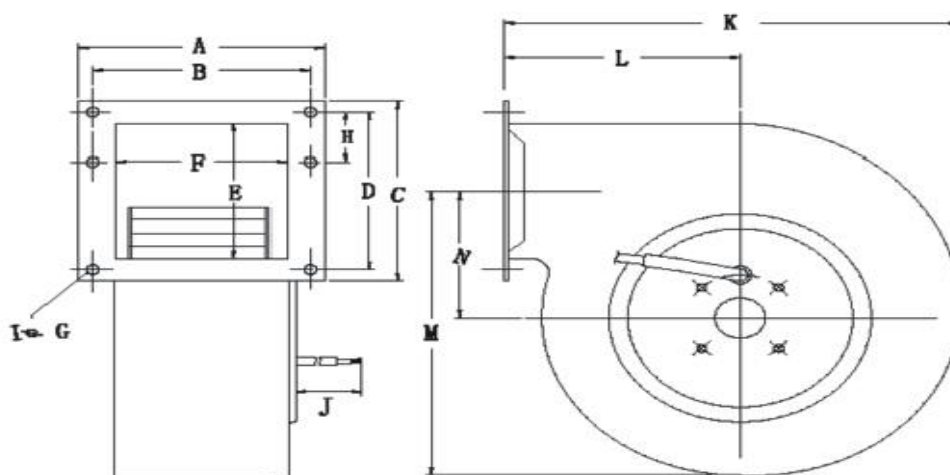
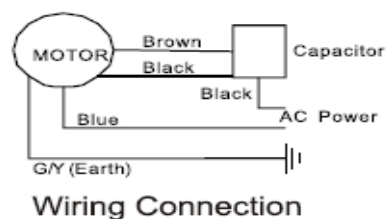
**Motor Structure:** Outer rotor Motor

**Motor protection:** Thermal Protected

**Termination:** Lead wire

### Dimension (units:mm)

#### Outline Dimension Data



| Model     | A   | B   | C   | D   | E  | F  | G   | H | I | J   | K   | L   | M   | N  |
|-----------|-----|-----|-----|-----|----|----|-----|---|---|-----|-----|-----|-----|----|
| CYB11211B | 120 | 100 | 110 | 90  | 86 | 78 | 6.5 | ~ | 4 | 560 | 208 | 102 | 166 | 77 |
| CYB11312B | 130 | 115 | 120 | 105 | 90 | 92 | 6.5 | ~ | 4 | 560 | 226 | 104 | 203 | 94 |
| CYB11313B | 130 | 115 | 120 | 105 | 90 | 92 | 6.5 | ~ | 4 | 560 | 226 | 104 | 203 | 94 |

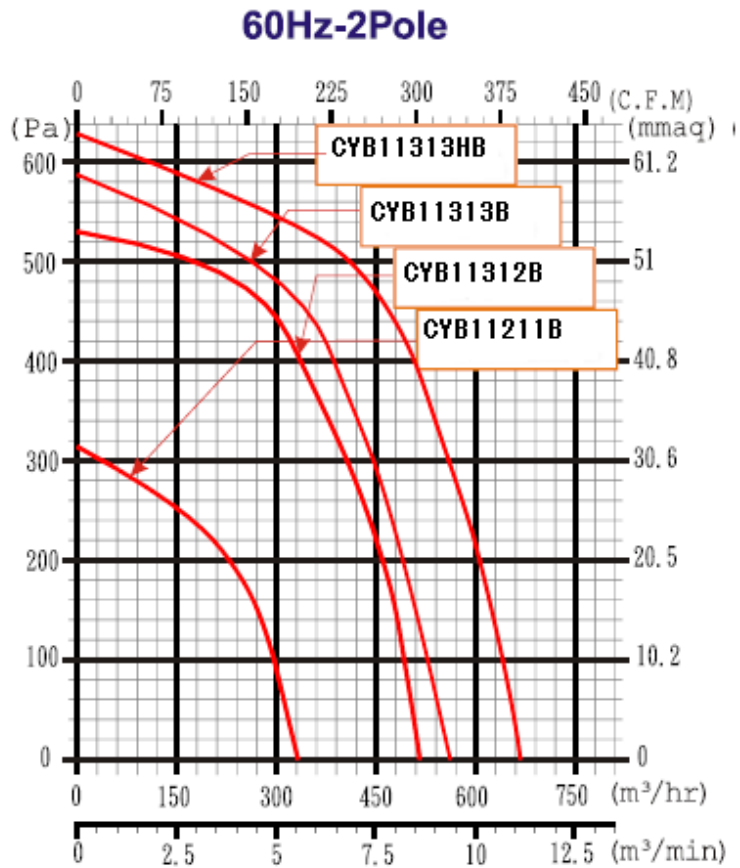




## Single Inlet Blower 110v 2Pole Performance



### Characteristic Curve:



## SPECIFICATION

| Model      | Voltage (V) | Freq. (Hz) | Current (A) | Power (W) | Speed (RPM) | Air Flow (m³/hr) | Noise (dB) |
|------------|-------------|------------|-------------|-----------|-------------|------------------|------------|
| CYB11211B  | 110         | 60         | 1           | 110       | 2010        | 335              | 64         |
| CYB11312B  | 110         | 60         | 1.72        | 225       | 2060        | 525              | 63         |
| CYB11313B  | 110         | 60         | 2.24        | 245       | 1980        | 565              | 72         |
| CYB11313HB | 110         | 60         | 2.76        | 300       | 2200        | 625              | 72         |



## Single Inlet Blower 220v 2 Pole Performance



**Impeller:** Steel

**Ambient Temperature Range:** -20°C ~ +70°C

**Insulation:** F class

**Bearing:** Ball

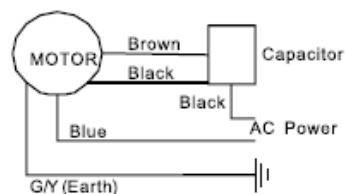
**Motor Structure:** Outer rotor Motor

**Motor protection:** Thermal Protected

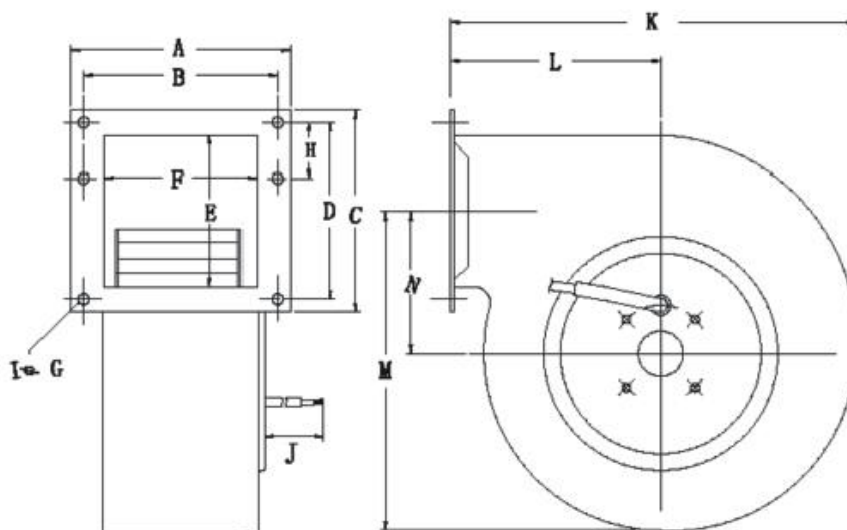
**Termination:** Lead wire

### Dimension (units:mm)

#### Outline Dimension Data



Wiring Connection



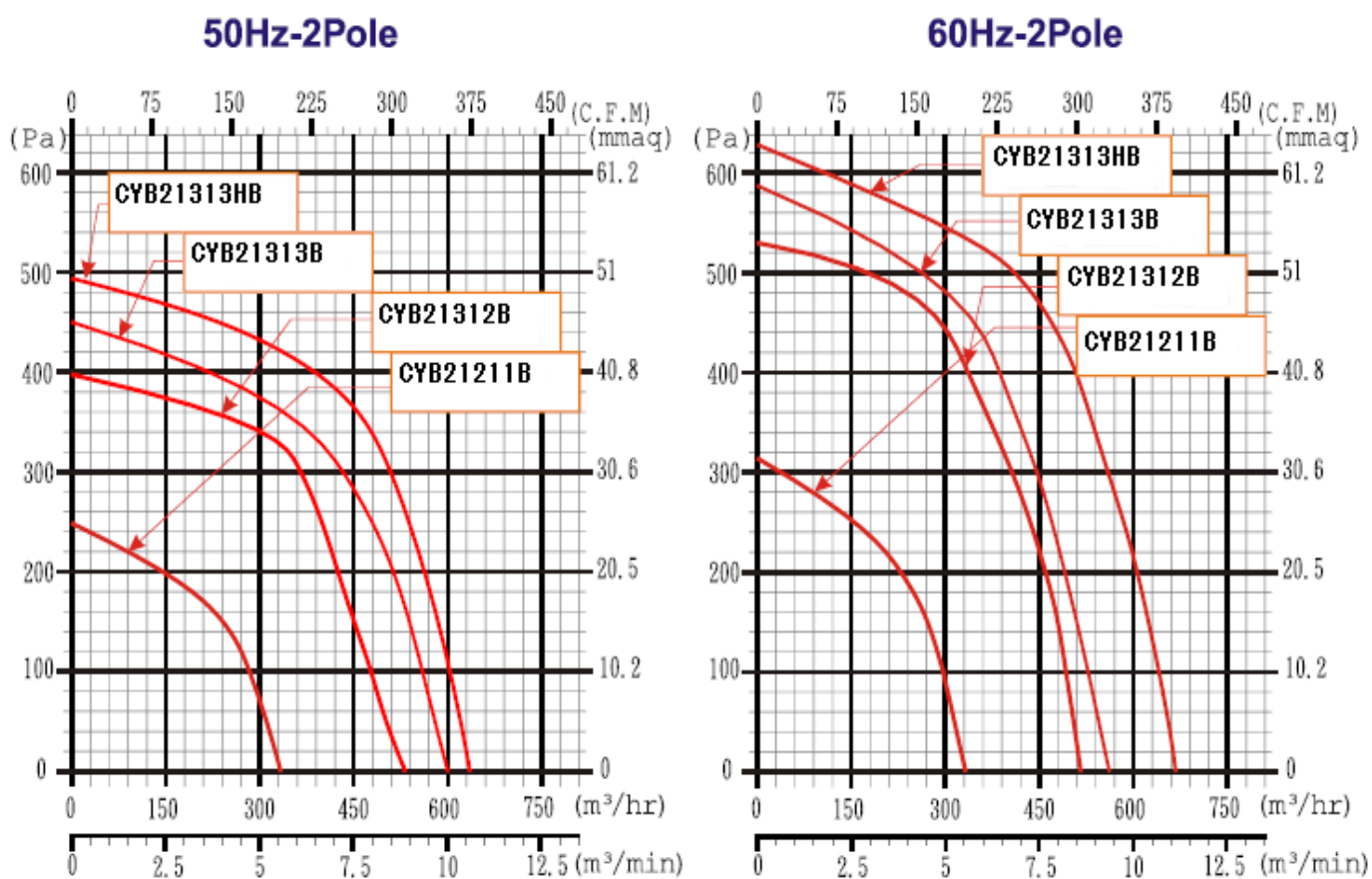
| Model     | A   | B   | C   | D   | E  | F  | G   | H | I | J   | K   | L   | M   | N  |
|-----------|-----|-----|-----|-----|----|----|-----|---|---|-----|-----|-----|-----|----|
| CYB21211B | 120 | 100 | 110 | 90  | 86 | 78 | 6.5 | ~ | 4 | 560 | 208 | 102 | 166 | 77 |
| CYB21312B | 130 | 115 | 120 | 105 | 90 | 92 | 6.5 | ~ | 4 | 560 | 226 | 104 | 203 | 94 |
| CYB21313B | 130 | 115 | 120 | 105 | 90 | 92 | 6.5 | ~ | 4 | 560 | 226 | 104 | 203 | 94 |



## Single Inlet Blower 220v 2Pole Performance



### Characteristic Curve:



## SPECIFICATION

| Model      | Voltage (V) | Freq. (Hz) | Current (A) | Power (W) | Speed (RPM) | Air Flow (m³/hr) | Noise (dB) |
|------------|-------------|------------|-------------|-----------|-------------|------------------|------------|
| CYB21211B  | 220         | 50/60      | 0.41/0.5    | 90/110    | 2010/2080   | 355/340          | 63/64      |
| CYB21312B  | 220         | 50/60      | 0.71/0.86   | 190/225   | 2140/2060   | 535/525          | 64/63      |
| CYB21313B  | 220         | 50/60      | 0.93/1.12   | 205/245   | 2075/1980   | 600/565          | 68/67      |
| CYB21313HB | 220         | 50/60      | 1.1/1.38    | 235/300   | 2190/2200   | 625/640          | 72/72      |



## Double Inlet Blower 110v 2Pole Performance



**Impeller:** Steel

**Ambient Temperature Range:** -20°C ~ +70°C

**Insulation:** F class

**Bearing:** Ball

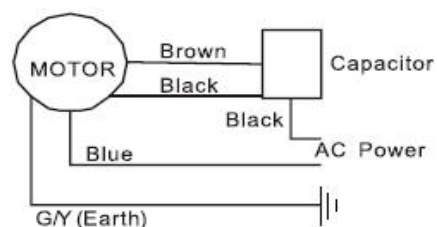
**Motor Structure:** Outer rotor Motor

**Motor protection:** Thermal Protected

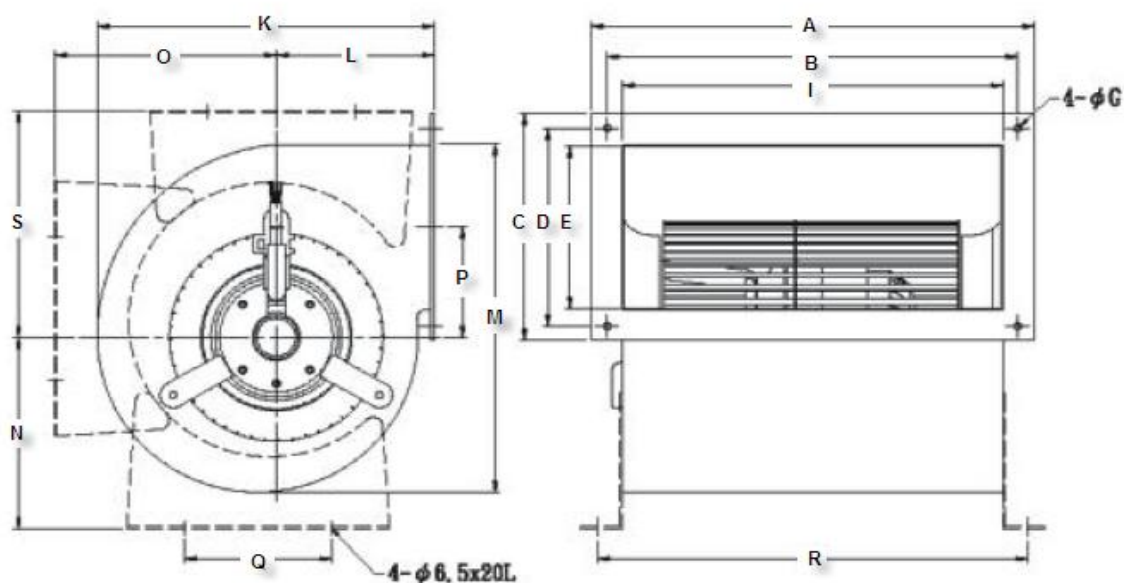
**Termination:** Lead wire

### Dimension (units:mm)

#### Outline Dimension Data



Wiring Connection



| Model     | A   | B   | C   | D   | E   | G   | I   | K   | L  | M   | P    | N   | O   | S   | Q  | R   |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|------|-----|-----|-----|----|-----|
| CYB12510B | 254 | 238 | 108 | 92  | 67  | 5.5 | 215 | 172 | 89 | 180 | 65.5 | ~   | ~   | ~   | ~  | ~   |
| CYB12714B | 270 | 254 | 142 | 126 | 102 | 5.5 | 232 | 206 | 97 | 219 | 69   | 120 | 135 | 142 | 90 | 260 |



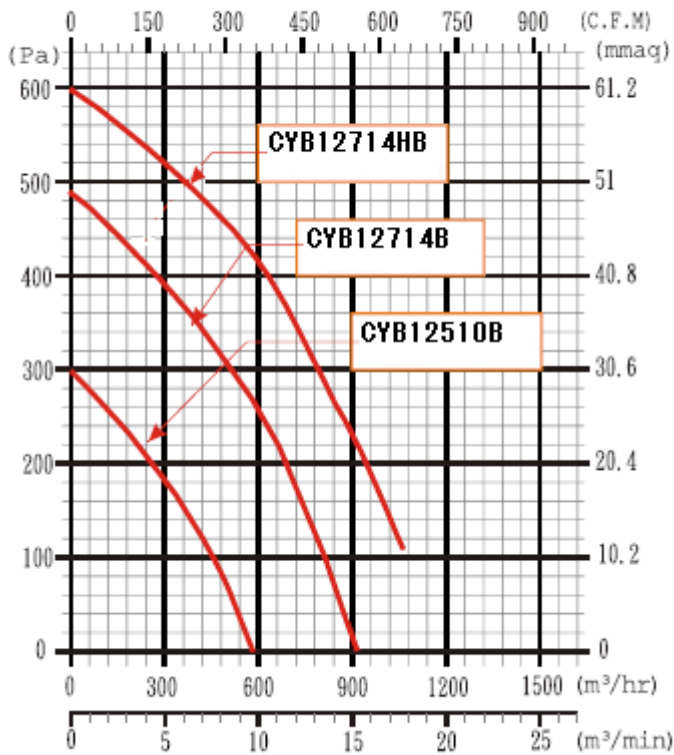


## Double Inlet Blower 110v 2Pole Performance



### Characteristic Curves:

#### 60Hz-2Pole



## SPECIFICATION

| Model      | Voltage (V) | Freq. (Hz) | Current (A) | Power (W) | Speed (RPM) | Air Flow (m³/hr) | Noise (dB) |
|------------|-------------|------------|-------------|-----------|-------------|------------------|------------|
| CYB12510B  | 110         | 60         | 1.52        | 165       | 1290        | 580              | 56         |
| CYB12714B  | 110         | 60         | 2.3         | 250       | 1040        | 910              | 63         |
| CYB12714HB | 110         | 60         | 3.02        | 330       | 1610        | 1040             | 72         |



## Double Inlet Blower 220v 2Pole Performance



**Impeller:** Steel

**Ambient Temperature Range:** -20°C ~ +70°C

**Insulation:** F class

**Bearing:** Ball

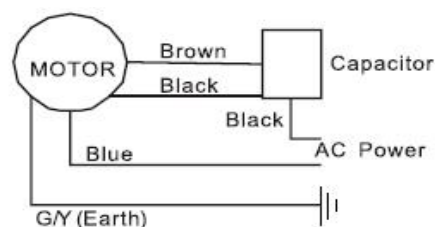
**Motor Structure:** Outer rotor Motor

**Motor protection:** Thermal Protected

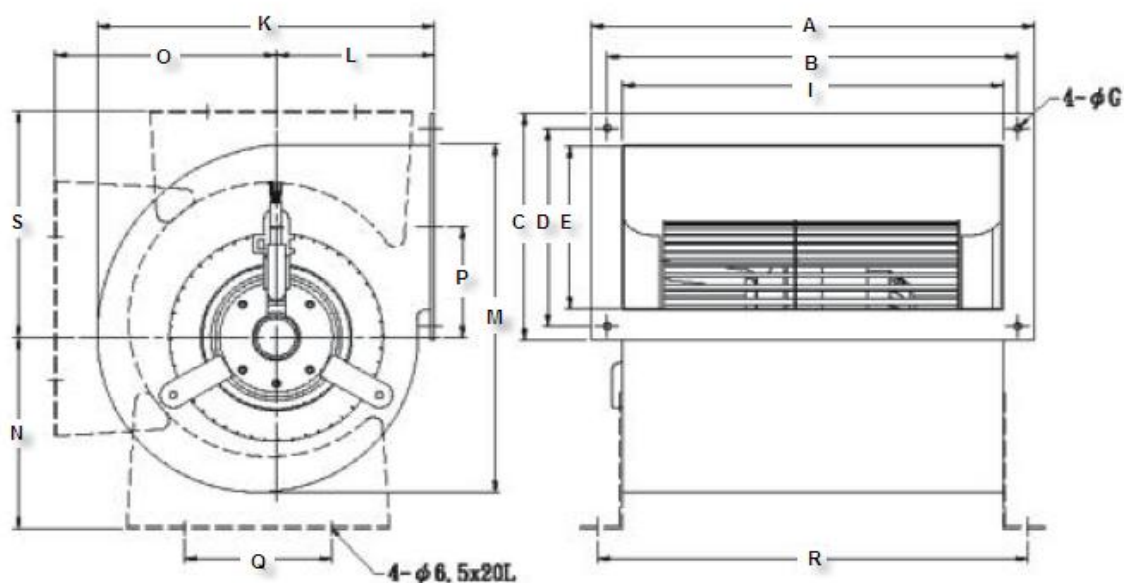
**Termination:** Lead wire

### Dimension (units:mm)

#### Outline Dimension Data



#### Wiring Connection



| Model     | A   | B   | C   | D   | E   | G   | I   | K   | L  | M   | P    | N   | O   | S   | Q  | R   |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|------|-----|-----|-----|----|-----|
| CYB22510B | 254 | 238 | 108 | 92  | 67  | 5.5 | 215 | 172 | 89 | 180 | 65.5 | ~   | ~   | ~   | ~  | ~   |
| CYB22714B | 270 | 254 | 142 | 126 | 102 | 5.5 | 232 | 206 | 97 | 219 | 69   | 120 | 135 | 142 | 90 | 260 |

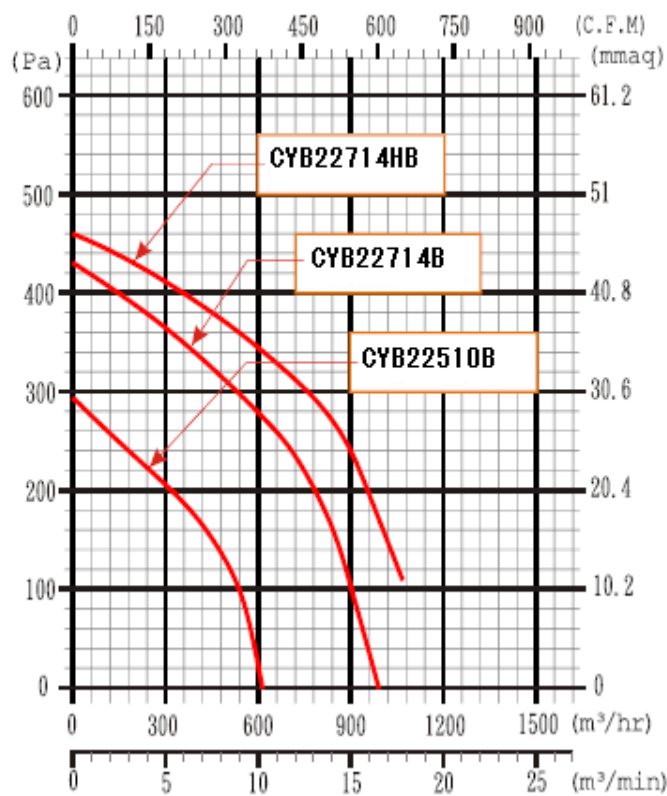


## Double Inlet Blower 220v 2Pole Performance

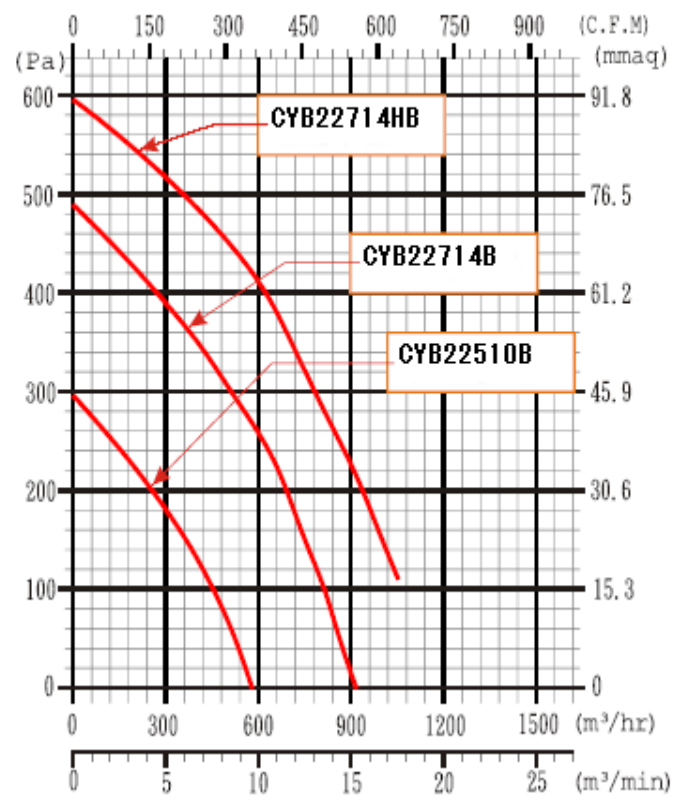


### Characteristic Curves:

50Hz-2Pole



60Hz-2Pole



## SPECIFICATION

| Model      | Voltage<br>(V) | Freq.<br>(Hz) | Current<br>(A) | Power<br>(W) | Speed<br>(RPM) | Air Flow<br>(m <sup>3</sup> /hr) | Noise<br>(dB) |
|------------|----------------|---------------|----------------|--------------|----------------|----------------------------------|---------------|
| CYB22510B  | 220            | 50/60         | 0.69/0.76      | 150/165      | 1440/1290      | 610/580                          | 59/56         |
| CYB22714B  | 220            | 50/60         | 1.03/1.15      | 225/250      | 1130/1040      | 990/910                          | 61            |
| CYB22714HB | 220            | 50/60         | 1.3/1.5        | 285/330      | 1690/1610      | 1065/1045                        | 63            |



## Double Inlet Blower 220v 4Pole Performance



**Impeller:** Steel

**Ambient Temperature Range:** -20°C ~ +70°C

**Insulation:** F class

**Bearing:** Ball

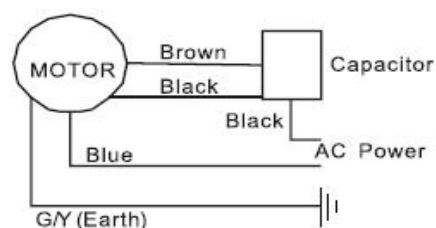
**Motor Structure:** Outer rotor Motor

**Motor protection:** Thermal Protected

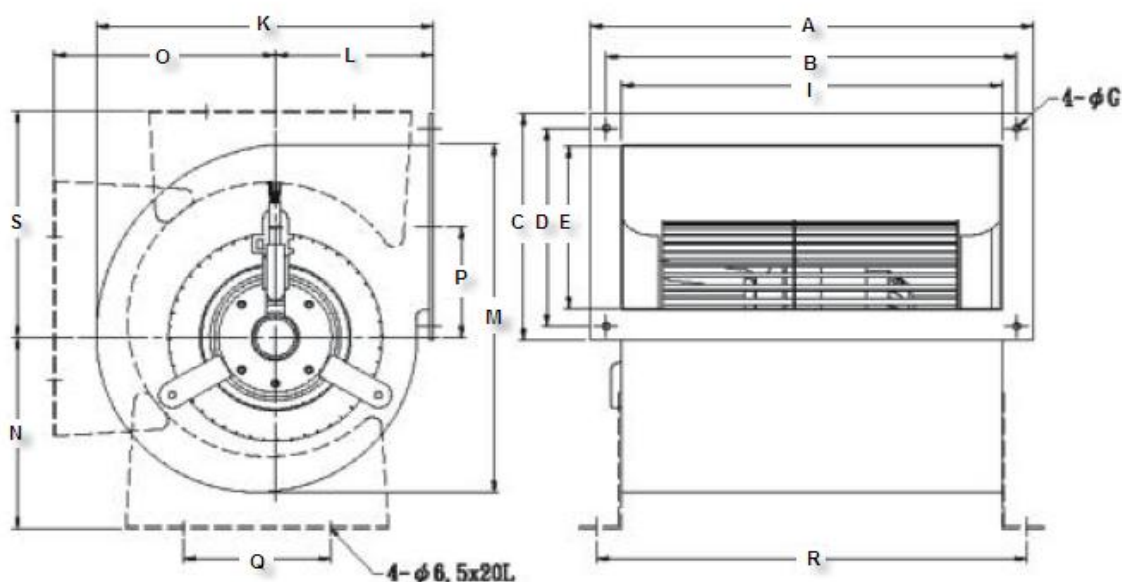
**Termination:** Lead wire

### Dimension (units:mm)

#### Outline Dimension Data



Wiring Connection



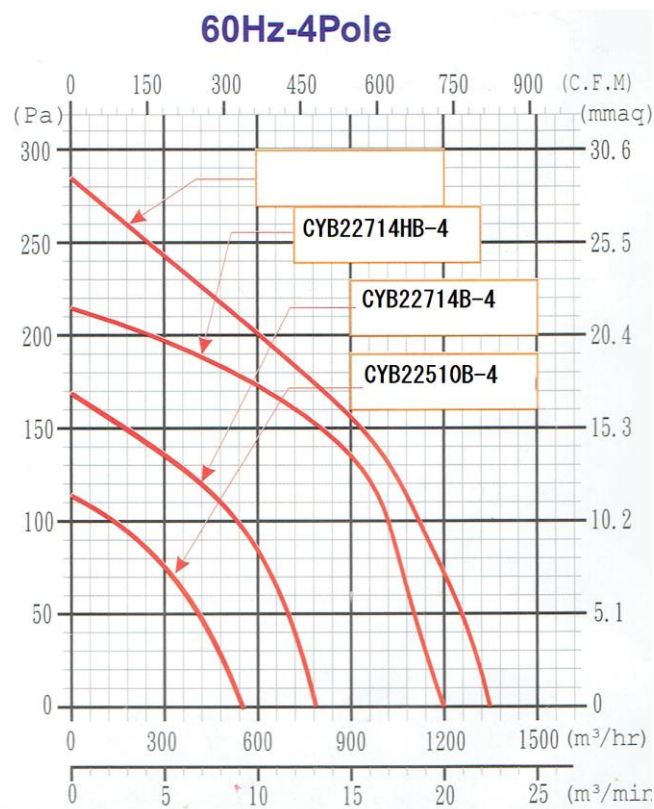
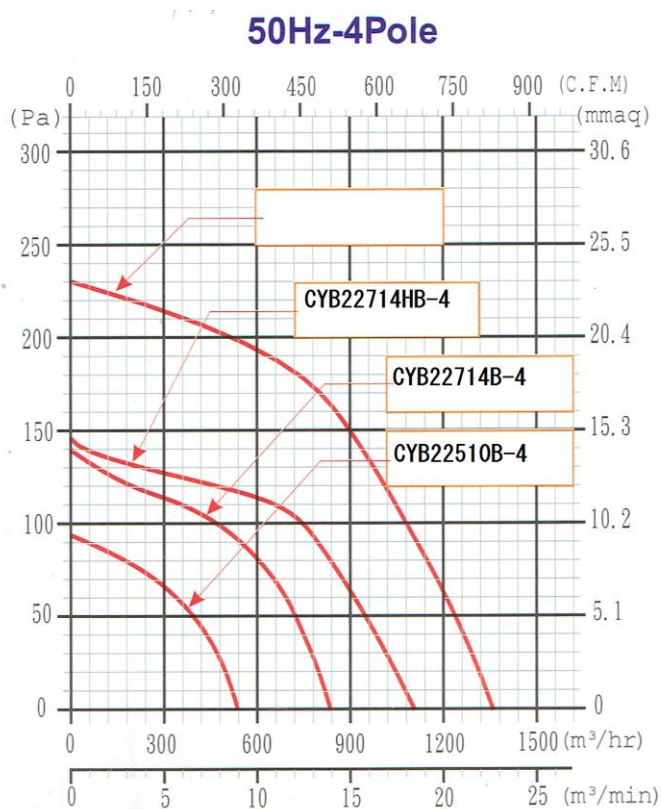
| Model        | A   | B   | C   | D   | E   | G   | I   | K   | L   | M   | P    | N   | O   | S   | Q  | R   |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|
| CYB22510B-4  | 254 | 238 | 108 | 92  | 67  | 5.5 | 215 | 172 | 89  | 180 | 65.5 | ~   | ~   | ~   | ~  | ~   |
| CYB22714B-4  | 270 | 254 | 142 | 126 | 102 | 5.5 | 232 | 206 | 97  | 219 | 69   | 120 | 135 | 142 | 90 | 260 |
| CYB22714HB-4 | 270 | 254 | 142 | 126 | 102 | 5.5 | 232 | 238 | 143 | 238 | 80   | ~   | ~   | ~   | ~  | ~   |



## Double Inlet Blower 220v 4Pole Performance



### Dimension (units:mm)



## SPECIFICATION

| Model        | Voltage (V) | Freq. (Hz) | Current (A) | Power (W) | Speed (RPM) | Air Flow (m³/hr) | Noise (dB) |
|--------------|-------------|------------|-------------|-----------|-------------|------------------|------------|
| CYB22510B-4  | 220         | 50/60      | 0.3/0.37    | 65/80     | 1170/1200   | 535/550          | 55/56      |
| CYB22714B-4  | 220         | 50/60      | 0.46/0.55   | 100/120   | 1000/950    | 835/790          | 55/58      |
| CYB22714HB-4 | 220         | 50/60      | 0.67/1.51   | 145/190   | 1285/1380   | 1100/1210        | 58         |





□ 15x15x04 mm



**Motor:** DC single phase brushless motor

**Material:** Plastic(94V-0)

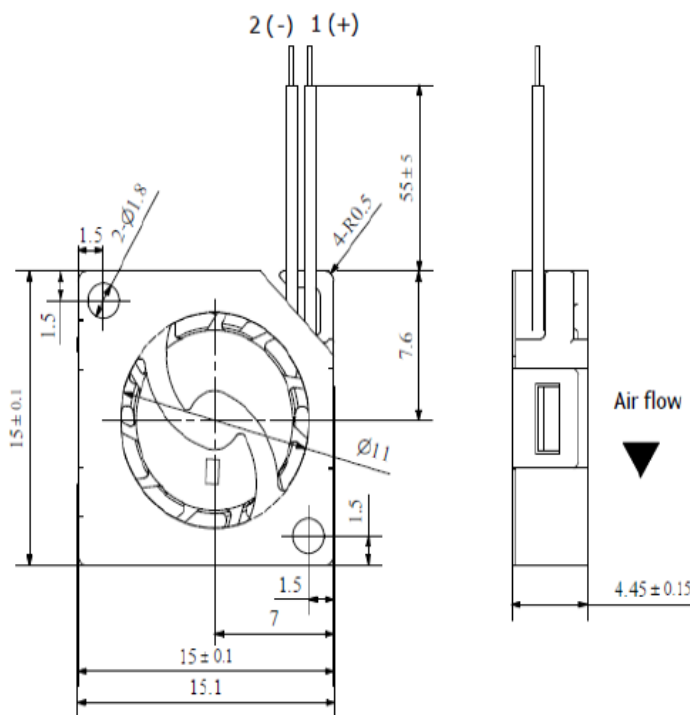
**Bearing:** Sleeve bearing

**Operation Temperature:** -10°C ~ +60°C

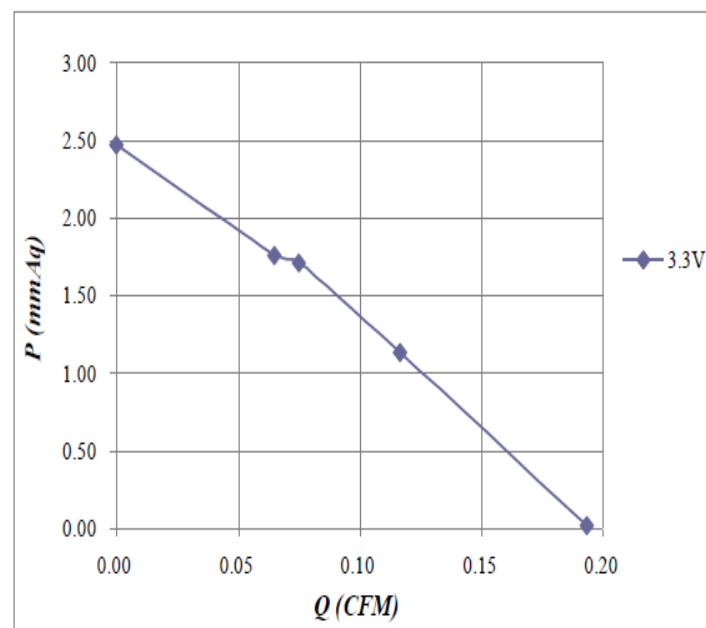
**Storage Temperature:** -20°C ~ +70°C

**Weight:** 1.38 g / PC

### Drawing:



### Characteristic Curves



## SPECIFICATION

| Model     | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|-----------|-------------|------------------------------|-------------|-------------|----------------|-------------------|------------|
| CDB031504 | 3.3         | 2.5 – 3.6                    | 0.035       | 14500       | 0.19           | 2.47              | 18.6       |



□ **18x18x04 mm**



**Motor:** DC single phase brushless motor

**Material:** Plastic(94V-0)

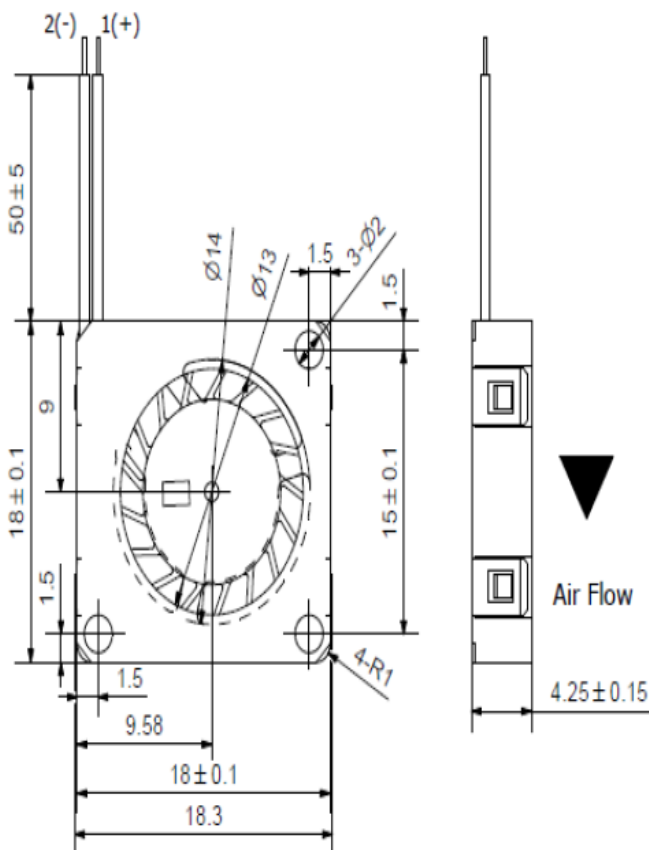
**Bearing:** Sleeve bearing

**Operation Temperature:** -10°C ~ +60°C

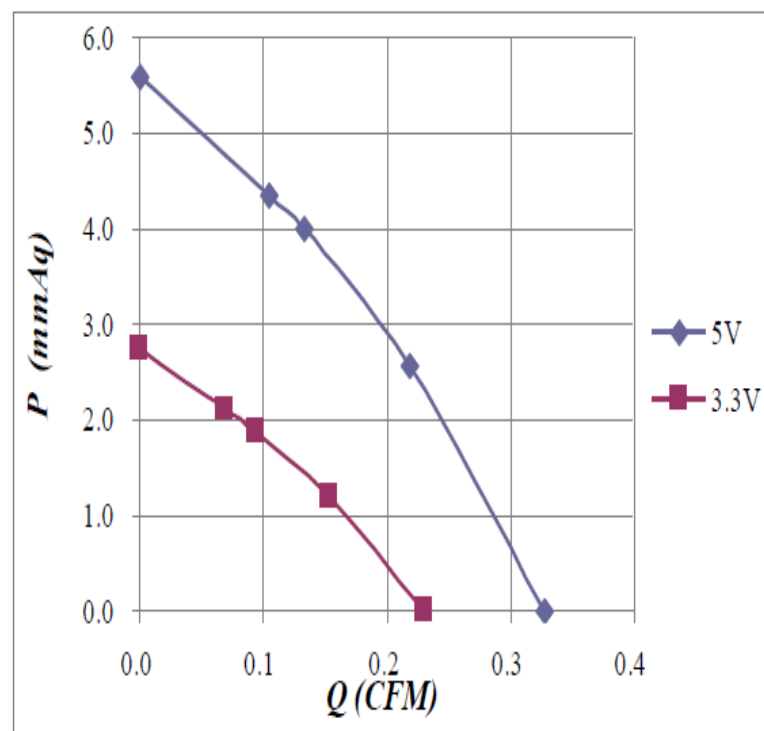
**Storage Temperature:** -20°C ~ +70°C

**Weight:** 1.74 g / PC

### Drawing:



### Characteristic Curves



## SPECIFICATION

| Model     | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|-----------|-------------|------------------------------|-------------|-------------|----------------|-------------------|------------|
| CDB031804 | 3.3         | 2.8 – 3.6                    | 0.035       | 9000        | 0.23           | 2.74              | 15.1       |
| CDB051804 | 5           | 4.5 – 5.5                    | 0.050       | 12000       | 0.33           | 5.58              | 20.4       |



□ 20x20x04 mm



**Motor:** DC single phase brushless motor

**Material:** Plastic(94V-0)

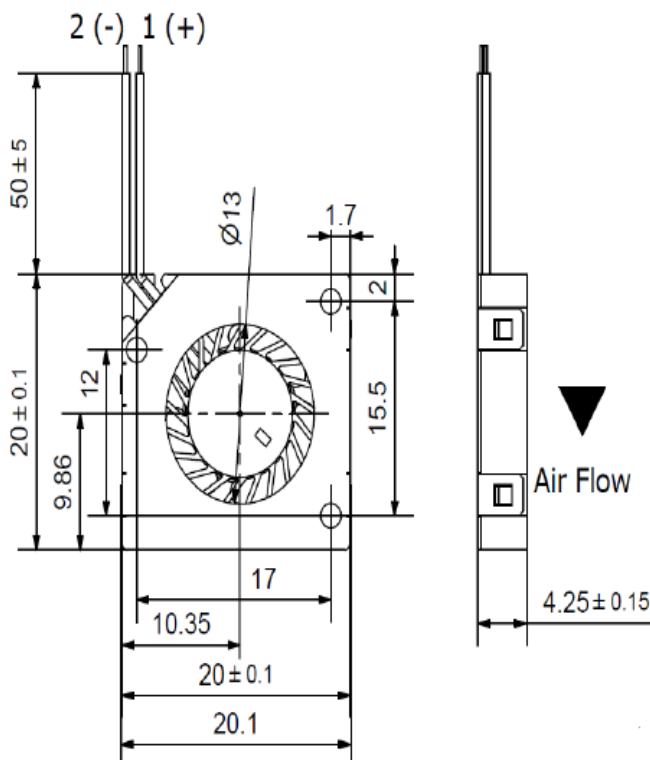
**Bearing:** Sleeve bearing

**Operation Temperature:** -10°C ~ +60°C

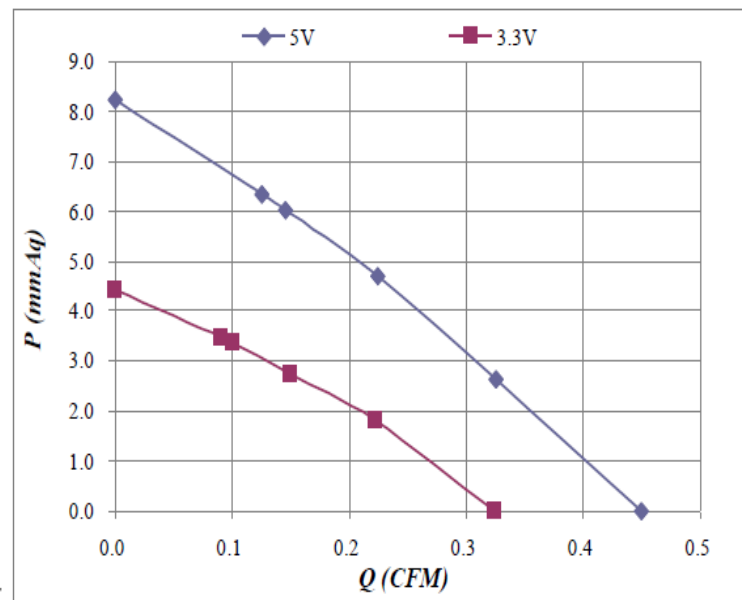
**Storage Temperature:** -20°C ~ +70°C

**Weight:** 2.1 g / PC

### Drawing:



### Characteristic Curves

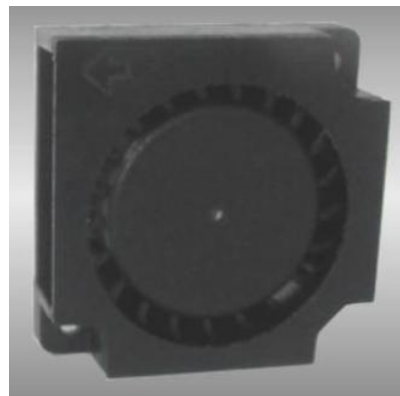


## SPECIFICATION

| Model     | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|-----------|-------------|------------------------------|-------------|-------------|----------------|-------------------|------------|
| CDB032004 | 3.3         | 2.5 – 3.6                    | 0.037       | 10000       | 0.32           | 4.43              | 17.5       |
| CDB052004 | 5           | 4.5 – 5.5                    | 0.057       | 13000       | 0.45           | 8.23              | 21.5       |



□ 20x20x06 mm



**Motor:** DC single phase brushless motor

**Material/Frame:** PBT (94V-0); Impeller: PBT(94V-0)

**Operation Temperature:**

Two ball bearing -10°C ~ +70°C

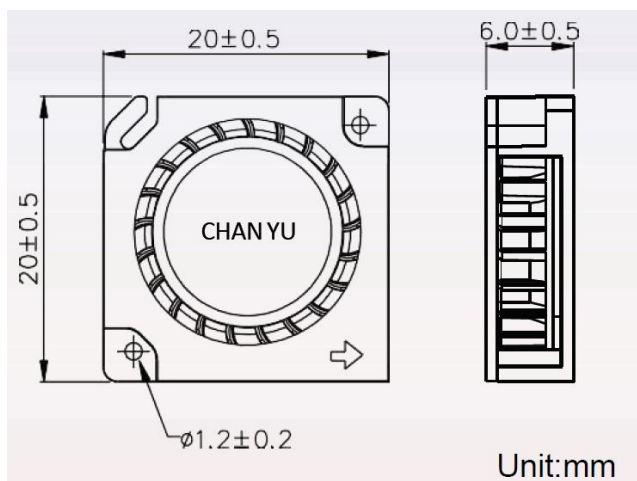
FMB/Sleeve bearing -10°C ~ +50°C

**Storage Temperature:** -40°C ~ +80°C

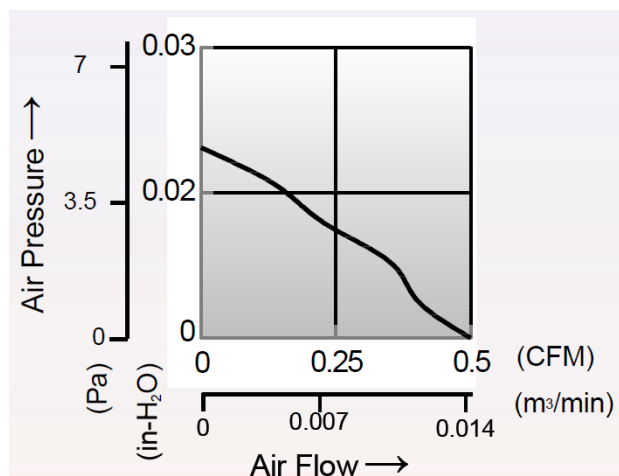
**Non-condensing environment**

**Weight:** 4g / PC

**Drawing:**



**Characteristic Curves**



## SPECIFICATION

| Model       | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H <sub>2</sub> O) | Noise (dB) |
|-------------|-------------|------------------------------|-------------|-------------|----------------|--------------------------------|------------|
| CDB052006HB | 5           | 4.5 – 5.5                    | 0.02        | 5000        | 0.5            | 0.02                           | 10         |



□ 20x20x08 mm



**Motor:** DC single phase brushless motor

**Material:** Plastic(94V-0)

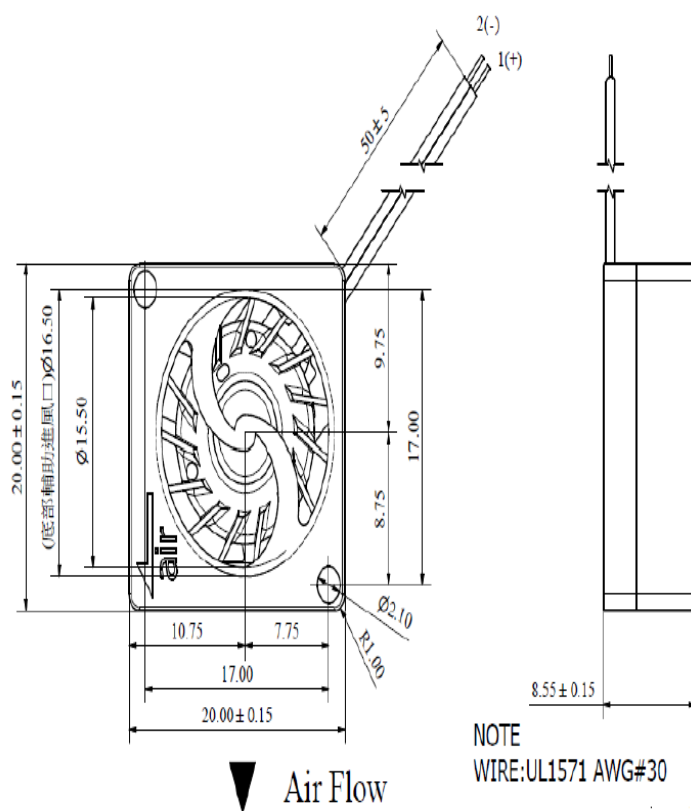
**Bearing:** Sleeve bearing

**Operation Temperature:** -10°C ~ +60°C

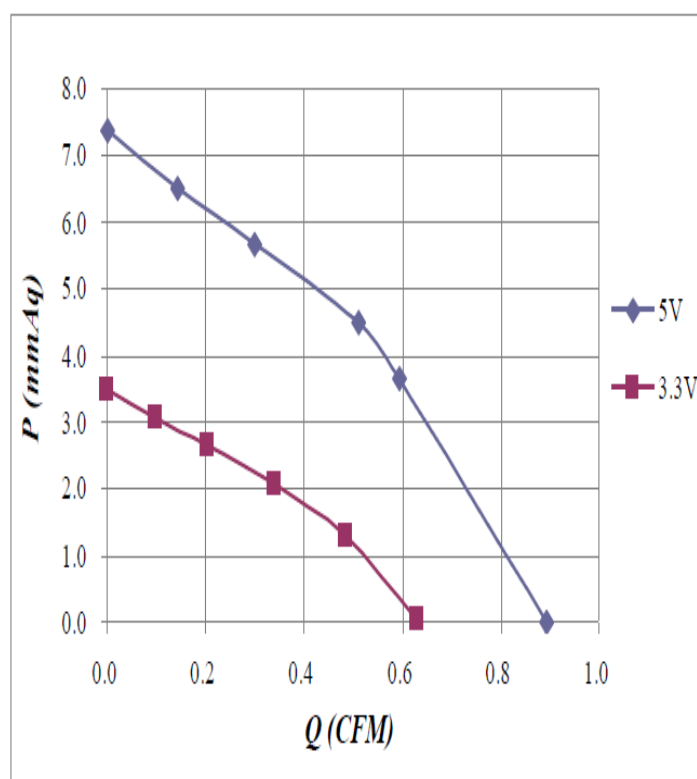
**Storage Temperature:** -20°C ~ +70°C

**Weight:** 2.9 g / PC

### Drawing:



### Characteristic Curves



## SPECIFICATION

| Model     | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|-----------|-------------|------------------------------|-------------|-------------|----------------|-------------------|------------|
| CDB032008 | 3.3         | 2.8 – 3.6                    | 0.085       | 10000       | 0.63           | 3.48              | 21.8       |
| CDB052008 | 5           | 4.5 – 5.5                    | 0.125       | 14000       | 0.89           | 7.36              | 31.1       |





□ 20x25x08 mm



**Motor:** DC single phase brushless motor

**Material:** Plastic(94V-0)

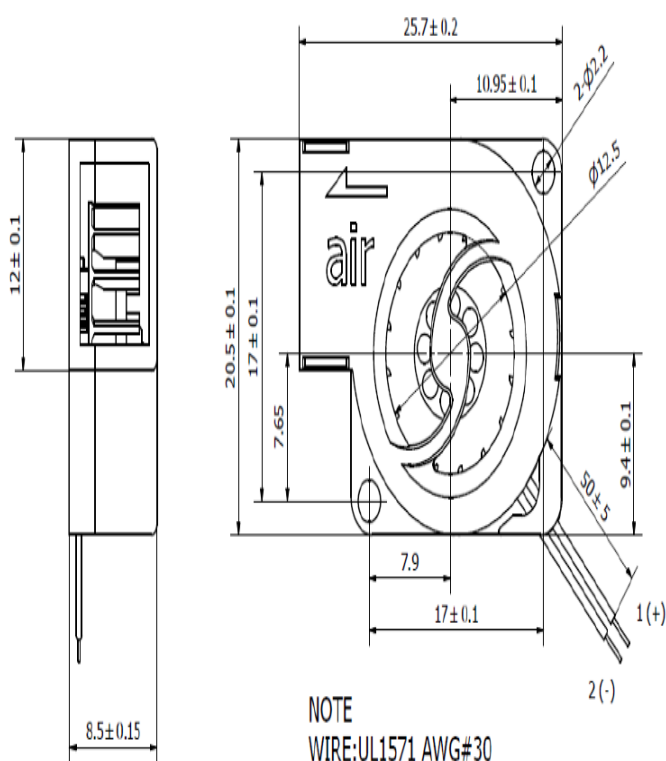
**Bearing:** Sleeve bearing

**Operation Temperature:** -10°C ~ +60°C

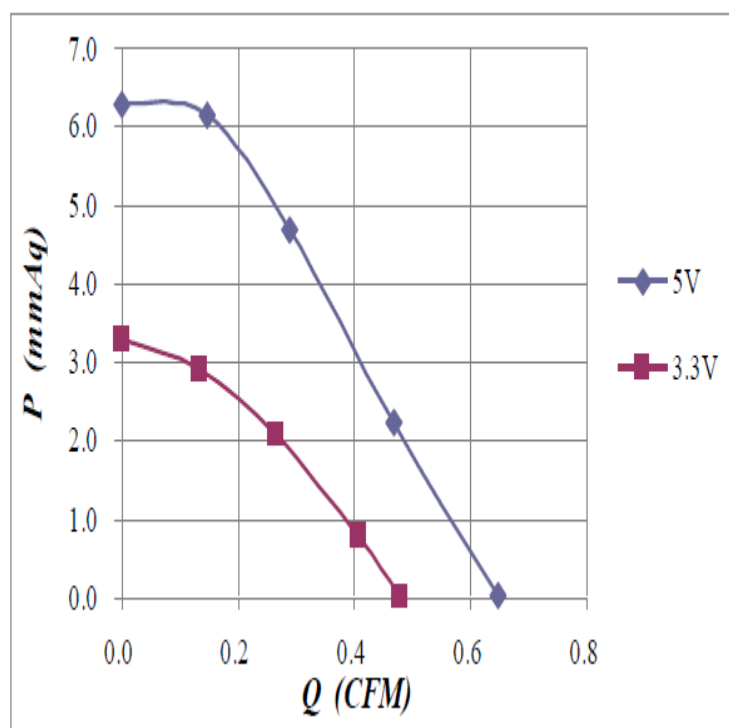
**Storage Temperature:** -20°C ~ +70°C

**Weight:** 3 g / PC

### Drawing:



### Characteristic Curves



## SPECIFICATION

| Model     | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|-----------|-------------|------------------------------|-------------|-------------|----------------|-------------------|------------|
| CDB032508 | 3.3         | 2.8 – 3.6                    | 0.098       | 8000        | 0.48           | 3.29              | 18.2       |
| CDB052508 | 5           | 4.5 – 5.5                    | 0.14        | 11000       | 0.65           | 6.27              | 20.8       |



□ 25x25x12 mm



**Motor:** DC single phase brushless motor

**Material:** Plastic(94V-0)

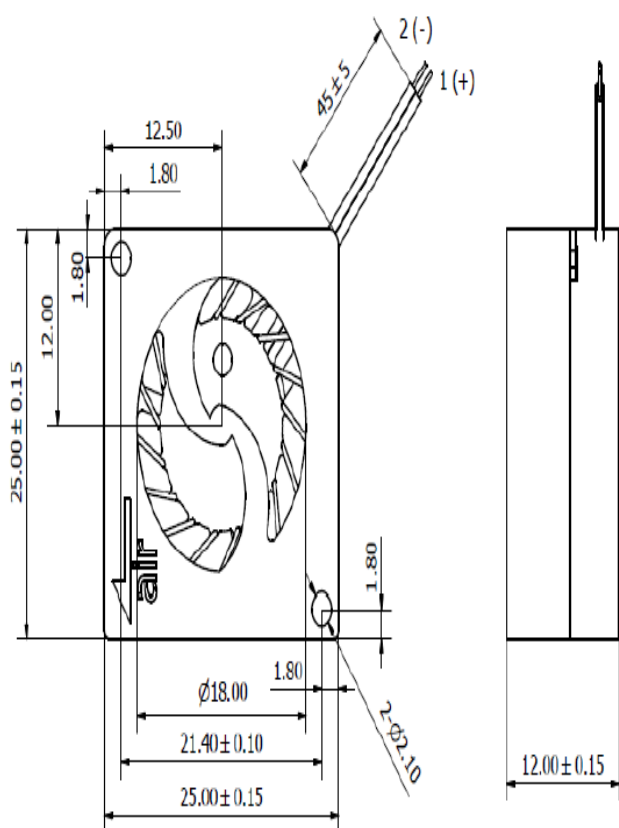
**Bearing:** Sleeve bearing

**Operation Temperature:** -10°C ~ +60°C

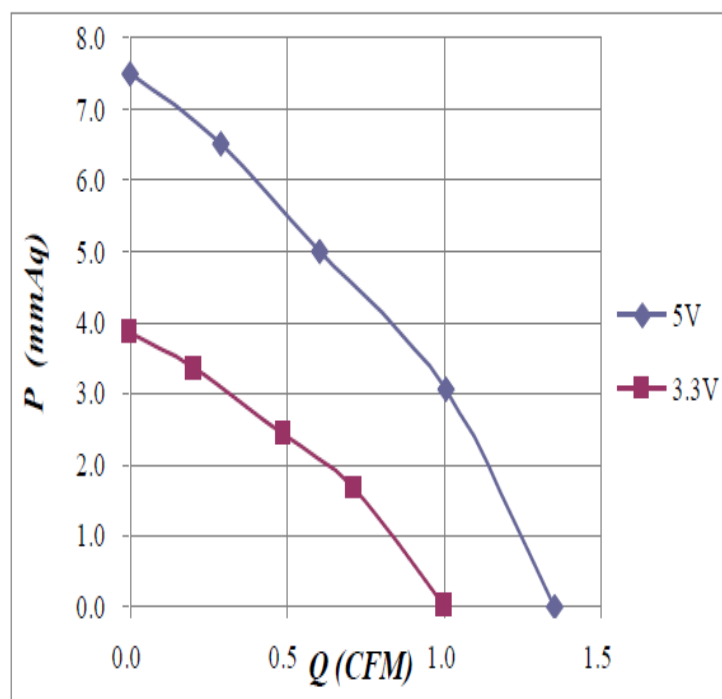
**Storage Temperature:** -20°C ~ +70°C

**Weight:** 5.39 g / PC

### Drawing:



### Characteristic Curves

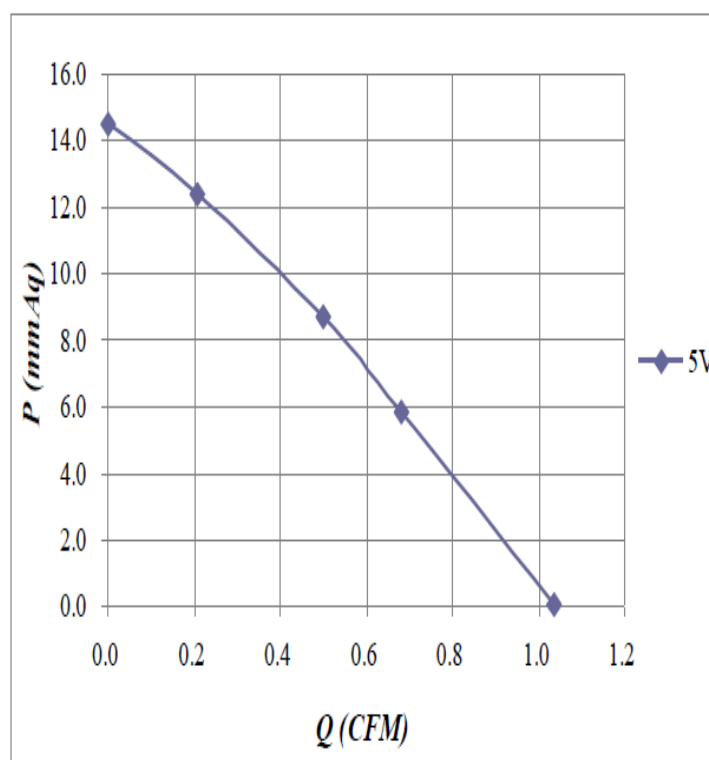
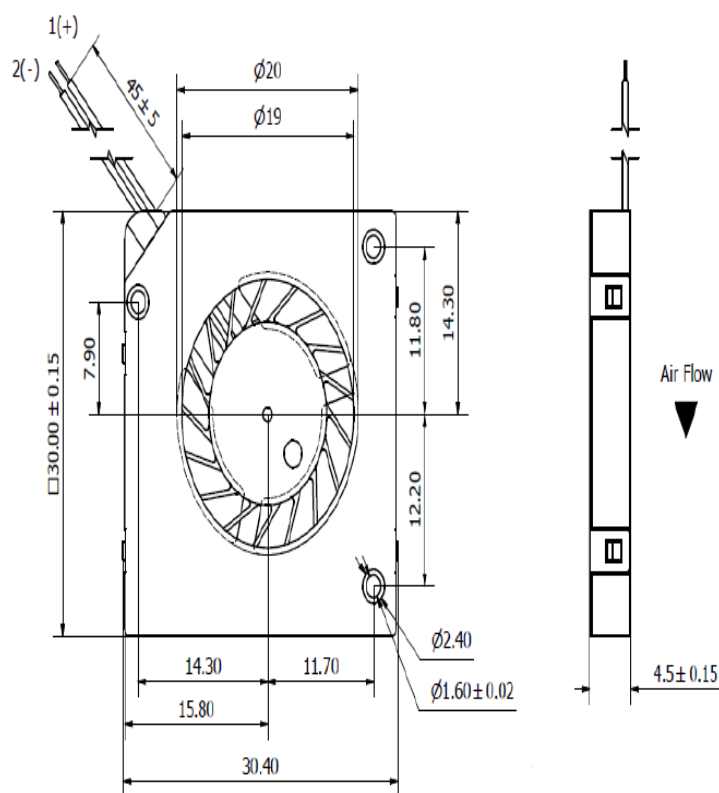


## SPECIFICATION

| Model     | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|-----------|-------------|------------------------------|-------------|-------------|----------------|-------------------|------------|
| CDB032512 | 3.3         | 2.8 – 3.6                    | 0.058       | 7000        | 1              | 3.85              | 18.6       |
| CDB052512 | 5           | 4.5 – 5.5                    | 0.087       | 9500        | 1.35           | 7.49              | 27         |



**Weight:** 4.79 g / PC

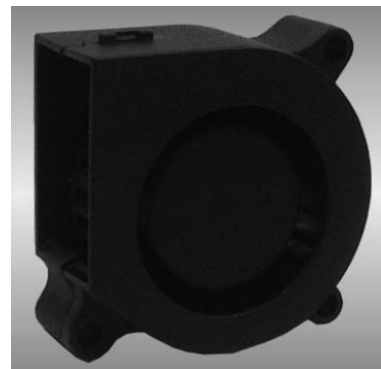


## SPECIFICATION

| Model     | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|-----------|-------------|------------------------------|-------------|-------------|----------------|-------------------|------------|
| CDB033004 | 3.3         | 2.8 – 3.6                    | 0.040       | 6000        | 0.57           | 3.71              | 17.2       |
| CDB053004 | 5           | 2.8 – 5.5                    | 0.12        | 11000       | 1.04           | 14.45             | 32.7       |



□ 40x40x20 mm



**Motor:** DC single phase brushless motor

**Material/Frame:** PBT (94V-0); Impeller: PBT(94V-0)

**Operation Temperature:**

Two ball bearing -10°C ~ +70°C

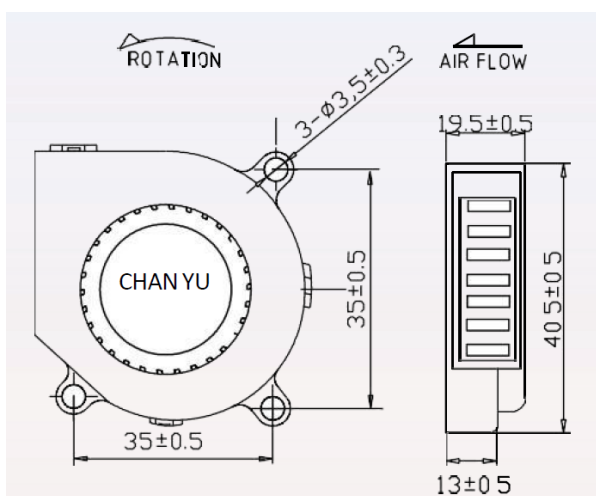
FMB/Sleeve bearing -10°C ~ +50°C

**Storage Temperature:** -40°C ~ +80°C

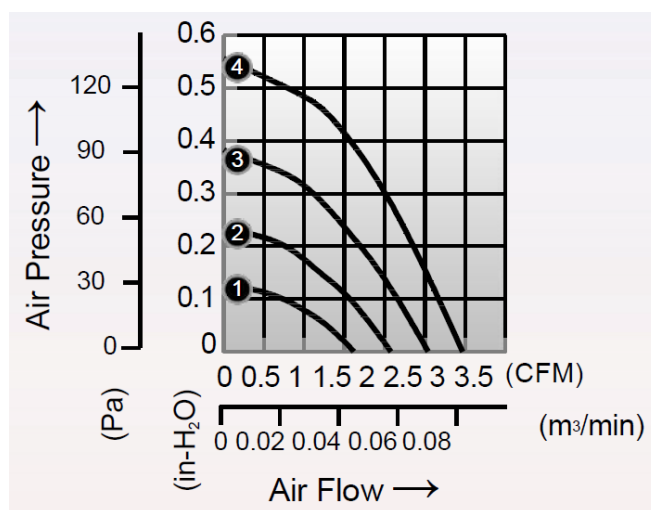
**Non-condensing environment**

**Weight:** 26g / PC

**Drawing:**



**Characteristic Curves**



## SPECIFICATION

| Model       | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|-------------|-------------|------------------------------|-------------|-------------|----------------|-------------------|------------|
| CDB054020MB | 5           | 4.5 – 5.5                    | 0.20        | 4500        | 2.1            | 0.23              | 33         |
| CDB054020HB | 5           | 4.5 – 5.5                    | 0.25        | 5500        | 2.5            | 0.38              | 37         |
| CDB124020LB | 12          | 7.0 – 13.2                   | 0.08        | 3500        | 1.6            | 0.13              | 27         |
| CDB124020MB | 12          | 7.0 – 13.2                   | 0.10        | 4500        | 2.1            | 0.23              | 33         |
| CDB124020HB | 12          | 7.0 – 13.2                   | 0.15        | 5500        | 2.5            | 0.38              | 37         |
| CDB124020XB | 12          | 7.0 – 13.2                   | 0.18        | 6500        | 3.0            | 0.56              | 45         |



□50x50x15 mm



**Impeller / Housing:** Plastic Material UL 94V-0 P.B.T

**Ambient Temperature Range:** -10°C ~ +70°C

**Operating Voltage Range:** Rated Voltage  $\pm 10\%$

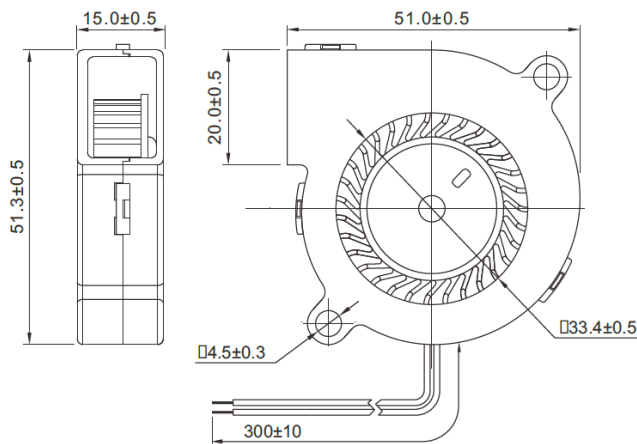
**Bearing:** Ball

**Motor Structure:** DC brushless

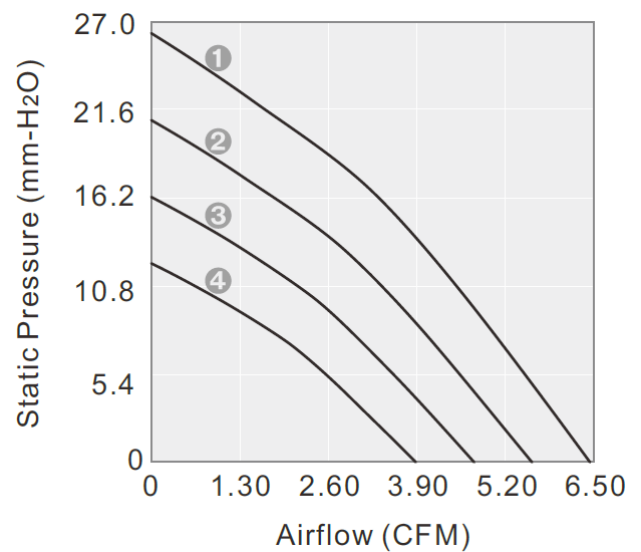
**Termination:** Lead wire 300 mm

**Package:** 28g / PC

### Dimension (units:mm)



### Characteristic Curves



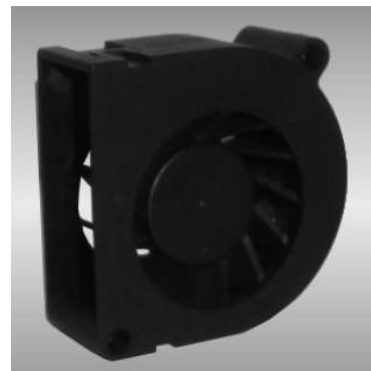
## SPECIFICATION

| Model        | Voltage (V) | Current (A) | Power (W) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|--------------|-------------|-------------|-----------|-------------|----------------|-------------------|------------|
| CDB055015LBL | 5           | 0.17        | 0.85      | 4500        | 3.9            | 0.47              | 37.5       |
| CDB055015MBL | 5           | 0.35        | 1.75      | 5500        | 4.7            | 0.64              | 42         |
| CDB125015LBL | 12          | 0.095       | 1.14      | 4500        | 3.9            | 0.47              | 37.5       |
| CDB125015MBL | 12          | 0.16        | 1.92      | 5500        | 4.7            | 0.63              | 42         |
| CDB125015HBL | 12          | 0.23        | 2.76      | 6500        | 5.5            | 0.82              | 45.5       |
| CDB125015XBL | 12          | 0.29        | 3.48      | 7500        | 6.3            | 1.03              | 48.5       |
| CDB245015LBL | 24          | 0.06        | 1.44      | 4500        | 3.9            | 0.47              | 37.5       |
| CDB245015MBL | 24          | 0.085       | 2.04      | 5500        | 4.7            | 0.64              | 42         |
| CDB245015HBL | 24          | 0.12        | 2.88      | 6500        | 5.5            | 0.82              | 45.5       |
| CDB245015XBL | 24          | 0.18        | 4.32      | 7500        | 6.3            | 1.03              | 48.5       |





□ 50x50x20 mm



**Motor:** DC single phase brushless motor

**Material/Frame:** PBT (94V-0); Impeller: PBT(94V-0)

**Operation Temperature:**

Two ball bearing -10°C ~ +70°C

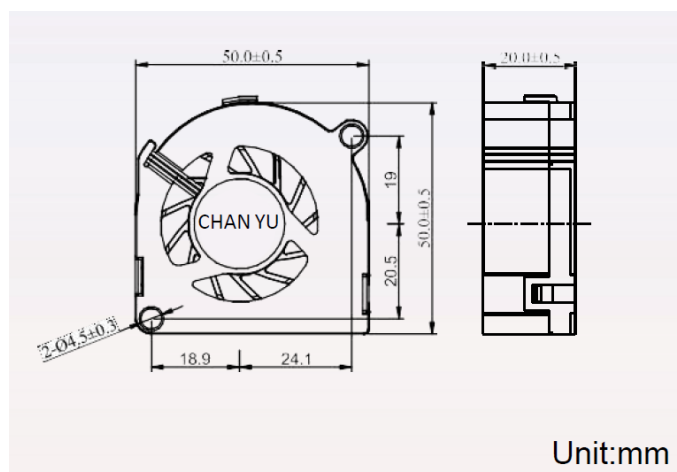
FMB/Sleeve bearing -10°C ~ +50°C

**Storage Temperature:** -40°C ~ +80°C

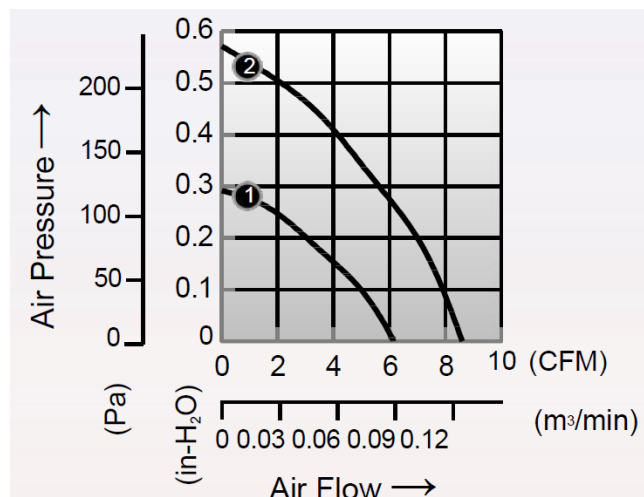
**Non-condensing environment**

**Weight:** 38g / PC

**Drawing:**



**Characteristic Curves**



## SPECIFICATION

| Model       | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|-------------|-------------|------------------------------|-------------|-------------|----------------|-------------------|------------|
| CDB055020MB | 5           | 4.5 – 5.5                    | 0.18        | 5000        | 6.1            | 0.29              | 33         |
| CDB125020MB | 12          | 7.0 – 13.2                   | 0.08        | 5000        | 6.1            | 0.29              | 33         |
| CDB125020HB | 12          | 7.0 – 13.2                   | 0.21        | 7000        | 8.0            | 0.57              | 50         |



## □ 55x62x12 mm



**Motor:** DC single phase brushless motor

**Material/Frame:** PBT (94V-0); Impeller: PBT(94V-0)

**Operation Temperature:**

Two ball bearing -10°C ~ +70°C

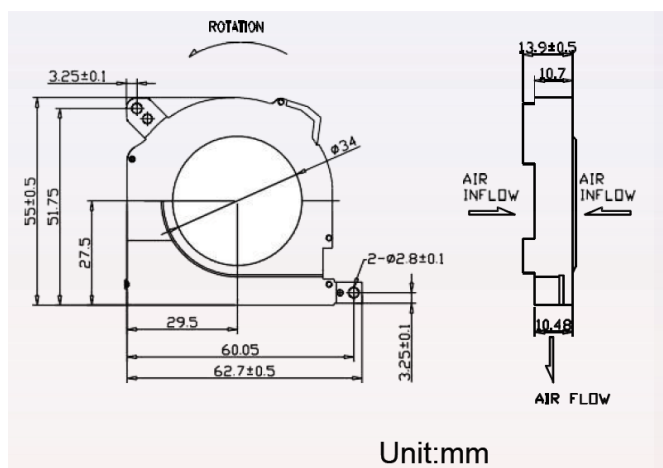
FMB/Sleeve bearing -10°C ~ +50°C

**Storage Temperature:** -40°C ~ +80°C

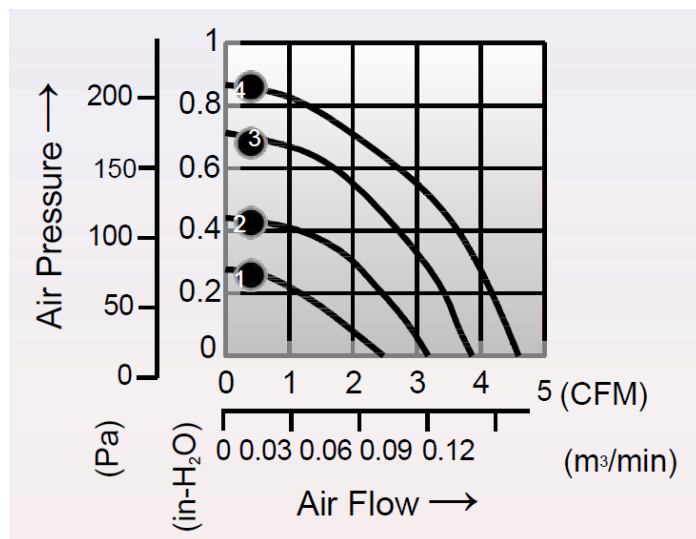
**Non-condensing environment**

**Weight:** 35g / PC

### Drawing:



### Characteristic Curves

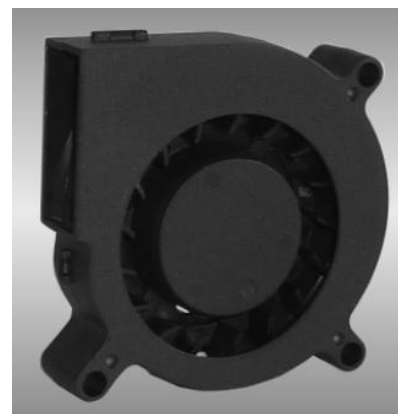


## SPECIFICATION

| Model       | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H <sub>2</sub> O) | Noise (dB) |
|-------------|-------------|------------------------------|-------------|-------------|----------------|--------------------------------|------------|
| CDB055512LB | 5           | 4.5 – 5.5                    | 0.27        | 3900        | 3.5            | 0.33                           | 27         |
| CDB055512MB | 5           | 4.5 – 5.5                    | 0.33        | 4000        | 4.2            | 0.41                           | 30         |
| CDB055512HB | 5           | 4.5 – 5.5                    | 0.40        | 4900        | 5.1            | 0.56                           | 33         |
| CDB125512LB | 12          | 7.0 – 13.2                   | 0.16        | 3500        | 3.5            | 0.33                           | 27         |
| CDB125512MB | 12          | 7.0 – 13.2                   | 0.23        | 4000        | 4.2            | 0.41                           | 30         |
| CDB125512HB | 12          | 7.0 – 13.2                   | 0.33        | 4900        | 5.1            | 0.56                           | 33         |



□ 60x60x15 mm



**Motor:** DC single phase brushless motor

**Material/Frame:** PBT (94V-0); Impeller: PBT(94V-0)

**Operation Temperature:**

Two ball bearing -10°C ~ +70°C

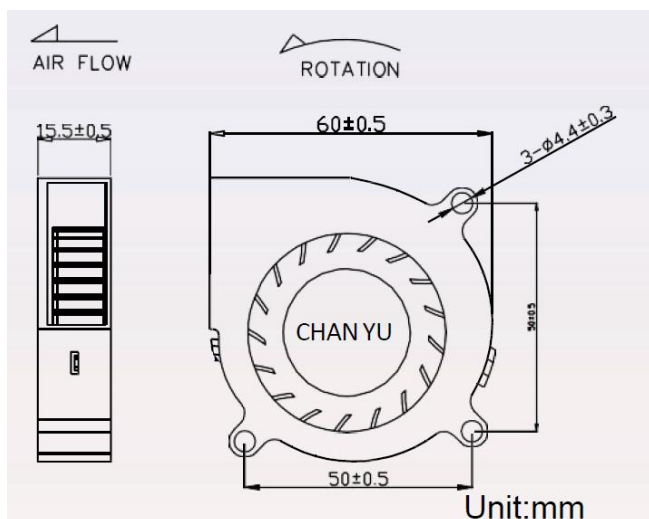
FMB/Sleeve bearing -10°C ~ +50°C

**Storage Temperature:** -40°C ~ +80°C

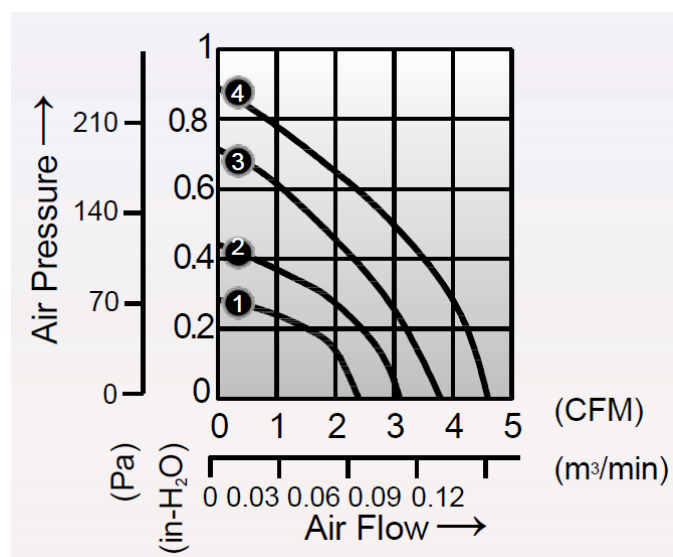
**Non-condensing environment**

**Weight:** 40g / PC

**Drawing:**



**Characteristic Curves**



## SPECIFICATION

| Model       | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|-------------|-------------|------------------------------|-------------|-------------|----------------|-------------------|------------|
| CDB126015LB | 12          | 7.0 – 13.2                   | 0.07        | 3500        | 2.4            | 0.28              | 27         |
| CDB126015MB | 12          | 7.0 – 13.3                   | 0.09        | 4500        | 3.1            | 0.44              | 33         |
| CDB126015HB | 12          | 7.0 – 13.4                   | 0.11        | 5500        | 3.8            | 0.71              | 37         |
| CDB126015XB | 12          | 7.0 – 13.4                   | 0.13        | 6500        | 4.6            | 0.89              | 45         |



□60x60x18 mm



**Impeller / Housing:** Plastic Material UL 94V-0 P.B.T

**Ambient Temperature Range:** -10°C ~ +70°C

**Operating Voltage Range:** Rated Voltage  $\pm 10\%$

**Bearing:** Ball

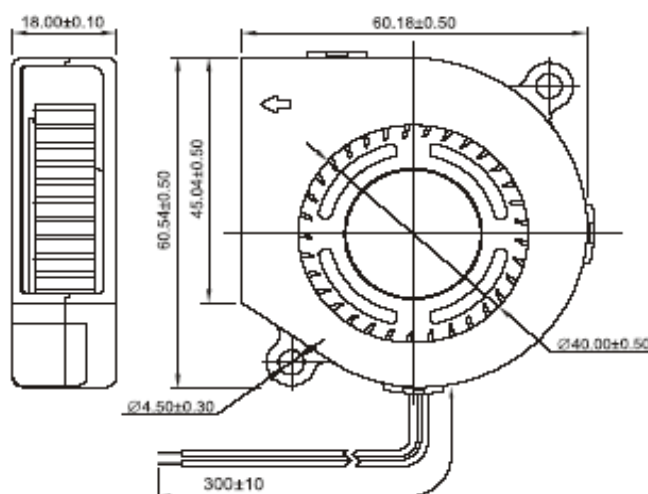
**Motor Structure:** DC brushless

**Termination:** Lead wire

**Package:** 41g / PC

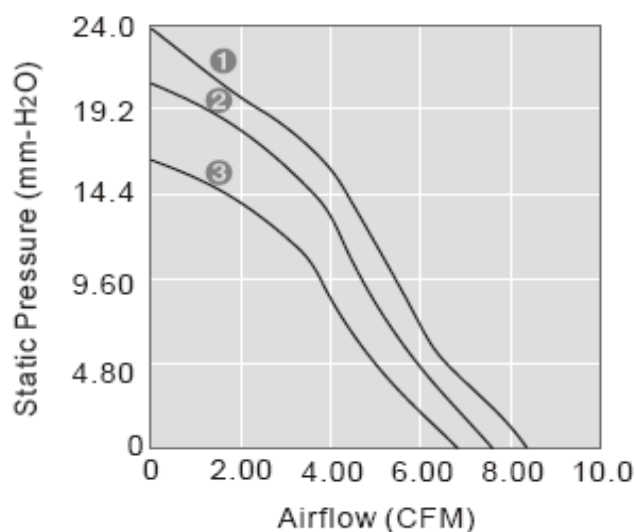
### Dimension (units:mm)

OUTLINE DIMENSIONS



### Characteristic Curves

PERFORMANCE P-Q CURVE

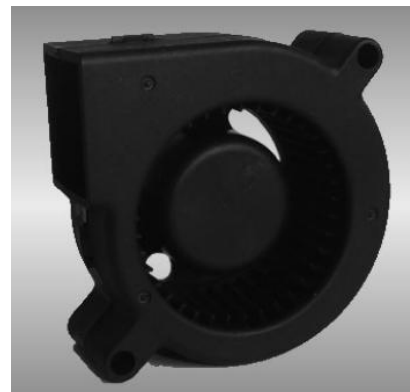


## SPECIFICATION

| Model        | Voltage (V) | Current (A) | Power (W) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H <sub>2</sub> O) | Noise (dB) |
|--------------|-------------|-------------|-----------|-------------|----------------|--------------------------------|------------|
| CDB126018LBL | 12          | 0.14        | 1.68      | 4200        | 6.7            | 5.52                           | 38         |
| CDB126018MBL | 12          | 0.18        | 2.16      | 4800        | 7.7            | 7.09                           | 43.5       |
| CDB126018HBL | 12          | 0.28        | 3.36      | 5400        | 8.2            | 11.04                          | 49         |



□ 60x60x25 mm



**Motor:** DC single phase brushless motor

**Material/Frame:** PBT (94V-0); Impeller: PBT(94V-0)

**Operation Temperature:**

Two ball bearing -10°C ~ +70°C

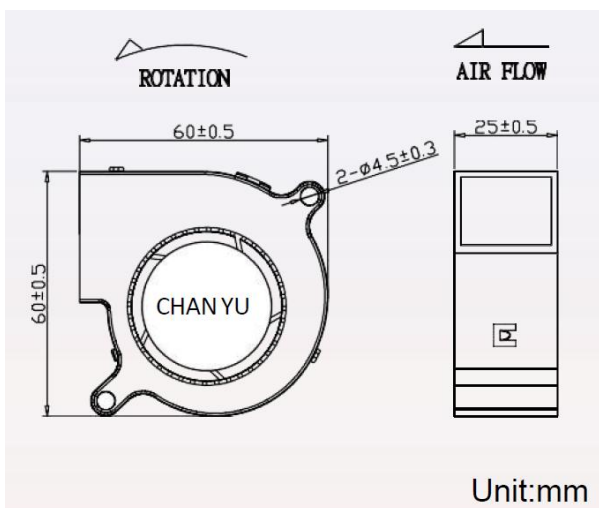
FMB/Sleeve bearing -10°C ~ +50°C

**Storage Temperature:** -40°C ~ +80°C

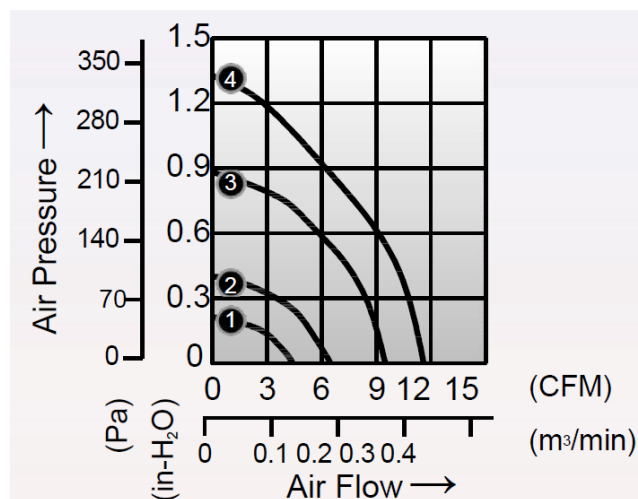
**Non-condensing environment**

**Weight:** 45g / PC

**Drawing:**



**Characteristic Curves**

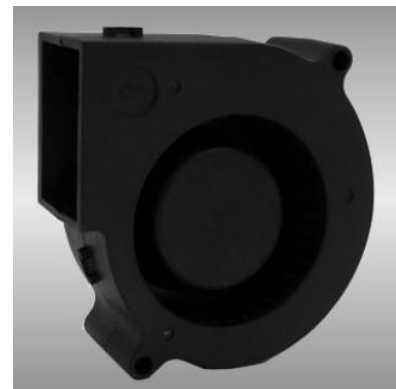


## SPECIFICATION

| Model       | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H <sub>2</sub> O) | Noise (dB) |
|-------------|-------------|------------------------------|-------------|-------------|----------------|--------------------------------|------------|
| CDB126025IB | 12          | 7.0 – 13.2                   | 0.10        | 2500        | 5.6            | 0.21                           | 24         |
| CDB126025LB | 12          | 7.0 – 13.2                   | 0.25        | 3500        | 7.2            | 0.40                           | 27         |
| CDB126025MB | 12          | 7.0 – 13.3                   | 0.40        | 4500        | 10.5           | 0.75                           | 41         |
| CDB126025HB | 12          | 7.0 – 13.4                   | 0.50        | 5500        | 12.8           | 1.13                           | 47         |



## □ 75x75x30 mm



**Motor:** DC single phase brushless motor

**Material/Frame:** PBT (94V-0); Impeller: PBT(94V-0)

**Operation Temperature:**

Two ball bearing -10°C ~ +70°C

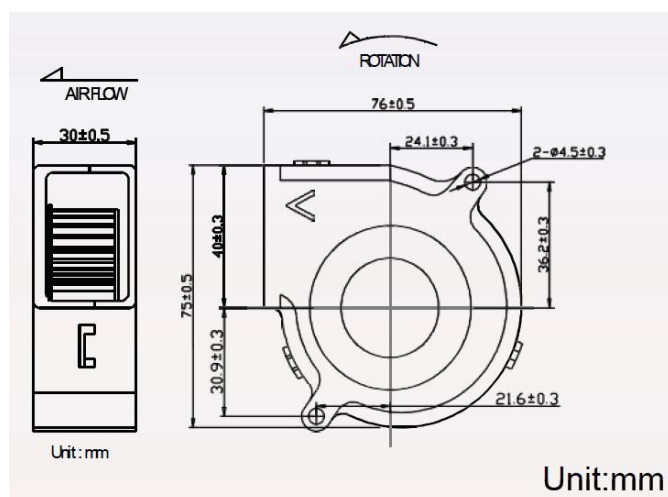
FMB/Sleeve bearing -10°C ~ +50°C

**Storage Temperature:** -40°C ~ +80°C

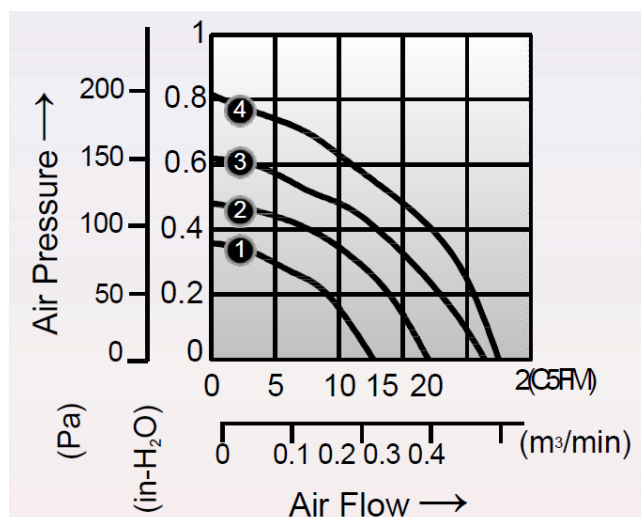
**Non-condensing environment**

**Weight:** 100g / PC

### Drawing:



### Characteristic Curves



## SPECIFICATION

| Model       | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|-------------|-------------|------------------------------|-------------|-------------|----------------|-------------------|------------|
| CDB127530JB | 12          | 7.0 – 13.2                   | 0.24        | 2600        | 10.9           | 0.31              | 32         |
| CDB127530LB | 12          | 7.0 – 13.2                   | 0.30        | 3000        | 12.7           | 0.36              | 41         |
| CDB127530MB | 12          | 7.0 – 13.2                   | 0.38        | 3600        | 17.0           | 0.48              | 48         |
| CDB127530HB | 12          | 7.0 – 13.2                   | 0.45        | 4000        | 21.4           | 0.62              | 51         |
| CDB247530JB | 24          | 14.0 – 26.4                  | 0.13        | 2600        | 10.9           | 0.31              | 32.        |
| CDB247530LB | 24          | 14.0 – 26.4                  | 0.16        | 3000        | 12.7           | 0.36              | 41         |
| CDB247530MB | 24          | 14.0 – 26.4                  | 0.22        | 3600        | 17.0           | 0.48              | 48         |
| CDB247530HB | 24          | 14.0 – 26.4                  | 0.26        | 4000        | 21.4           | 0.62              | 51         |





□97x97x33 mm



**Impeller / Housing:** Plastic Material UL 94V-0 P.B.T

**Ambient Temperature Range:** -10°C ~ +70°C

**Operating Voltage Range:** Rated Voltage ±10%

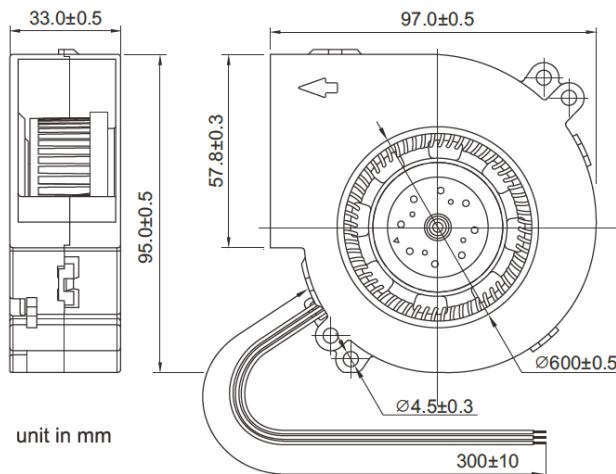
**Bearing:** Ball

**Motor Structure:** DC brushless

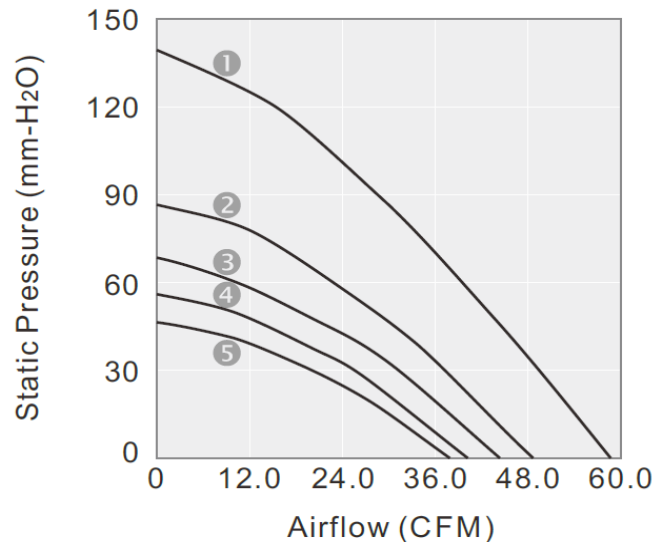
**Termination:** Lead wire 300 mm

**Package:** 200g / PC

### Dimension (units:mm)



### Characteristic Curves



## SPECIFICATION

| Model        | Voltage (V) | Current (A) | Power (W) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|--------------|-------------|-------------|-----------|-------------|----------------|-------------------|------------|
| CDB129733LBL | 12          | 0.9         | 10.8      | 4500        | 37.8           | 1.37              | 54.8       |
| CDB129733MBL | 12          | 1.2         | 14.4      | 4850        | 44.1           | 1.74              | 56.7       |
| CDB129733HBL | 12          | 1.6         | 19.2      | 5250        | 55.8           | 2.2               | 58.4       |
| CDB129733XBL | 12          | 2.7         | 32.4      | 5750        | 86.6           | 3.41              | 60.6       |
| CDB129733UBL | 12          | 4.2         | 50.4      | 6850        | 139.6          | 5.5               | 64.8       |
| CDB249733LBL | 24          | 0.5         | 12.0      | 4500        | 37.8           | 1.37              | 54.8       |
| CDB249733MBL | 24          | 0.6         | 14.4      | 4850        | 40.7           | 1.74              | 56.7       |
| CDB249733HBL | 24          | 0.8         | 19.2      | 5250        | 44.8           | 2.20              | 58.4       |
| CDB249733XBL | 24          | 1.2         | 28.8      | 5750        | 48.2           | 3.41              | 60.6       |
| CDB249733UBL | 24          | 2.0         | 48.8      | 6850        | 58.4           | 5.50              | 64.8       |



□100x98x25 mm



**Impeller / Housing:** Plastic Material UL 94V-0 P.B.T

**Ambient Temperature Range:** -10°C ~ +70°C

**Operating Voltage Range:** Rated Voltage  $\pm 10\%$

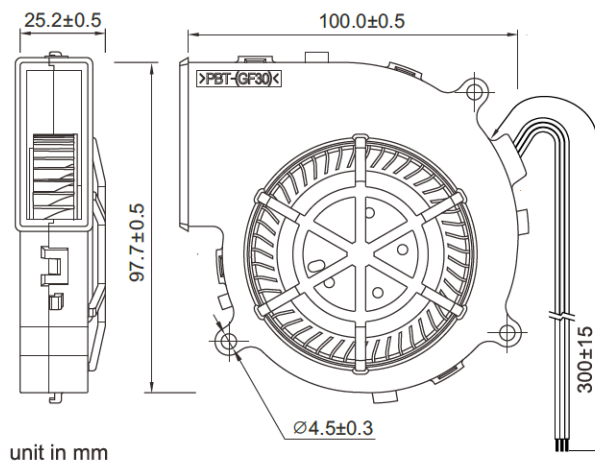
**Bearing:** Ball

**Motor Structure:** DC brushless

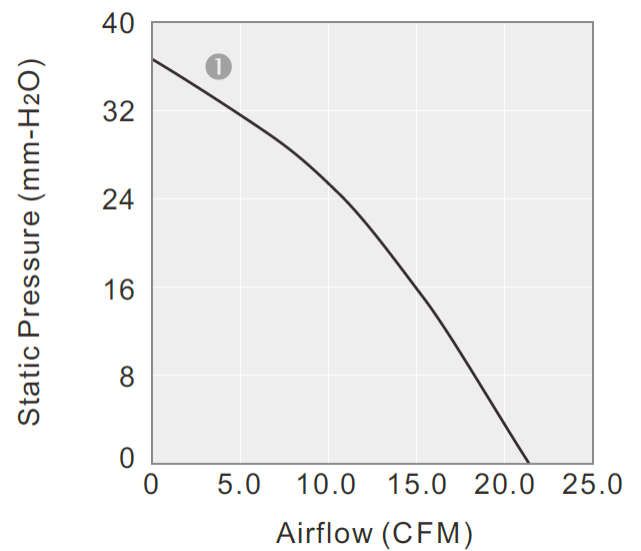
**Termination:** Lead wire 300 mm

**Package:** 120 g / PC

### Dimension (units:mm)



### Characteristic Curves



## SPECIFICATION

| Model        | Voltage (V) | Current (A) | Power (W) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H <sub>2</sub> O) | Noise (dB) |
|--------------|-------------|-------------|-----------|-------------|----------------|--------------------------------|------------|
| CDB121025XBL | 12          | 0.55        | 7.43      | 4200        | 21.4           | 1.45                           | 54.8       |



□ 110x112x25 mm



**Frame:** Plastic

**Impeller:** Plastic Material UL94V-0 P.B.T

**Ambient Temperature Range:** -10°C ~ +70°C

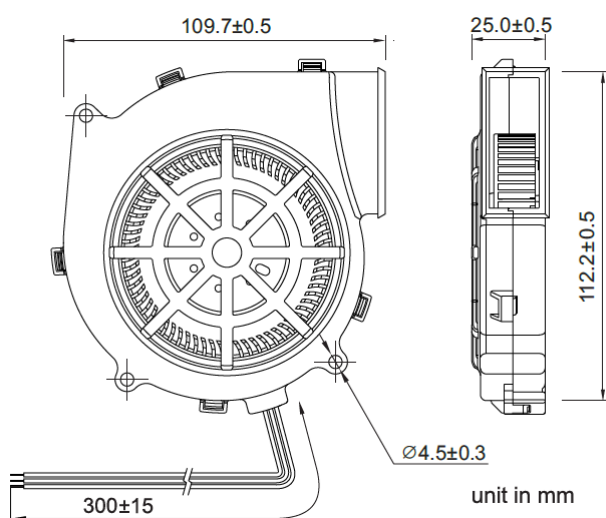
**Bearing:** Sleeve or Ball

**Motor Structure:** DC Brushless Motor

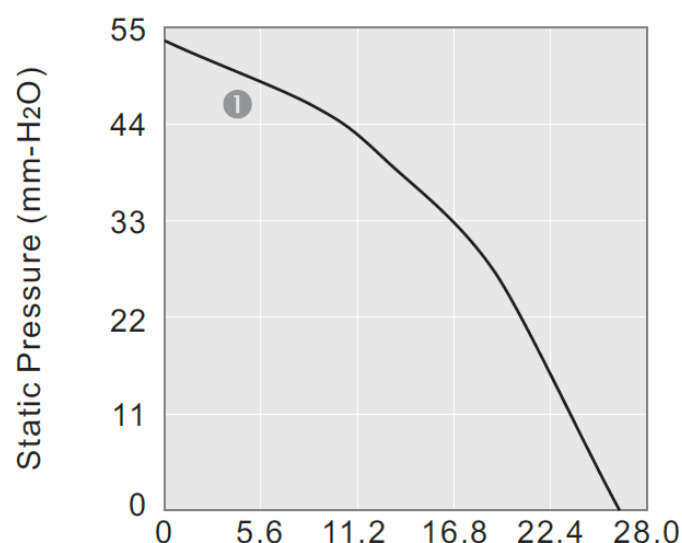
**Termination:** Lead wire 300± 10mm

**Package:** 120 g / PC

### Dimension (units:mm)



### Characteristic Curves



DC Blower Fan

## SPECIFICATION

| Model        | Voltage (V) | Operating Voltage Range(VDC) | Current (A) | Power (W) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H <sub>2</sub> O) | Noise (dB) |
|--------------|-------------|------------------------------|-------------|-----------|-------------|----------------|--------------------------------|------------|
| CDB121125XBL | 12          | 9~16.0                       | 1           | 13.5      | 4500        | 26.4           | 2.11                           | 57.1       |



□120x120x32 mm



**Impeller / Housing:** Plastic Material UL 94V-0 P.B.T

**Ambient Temperature Range:** -10°C ~ +70°C

**Operating Voltage Range:** Rated Voltage  $\pm 10\%$

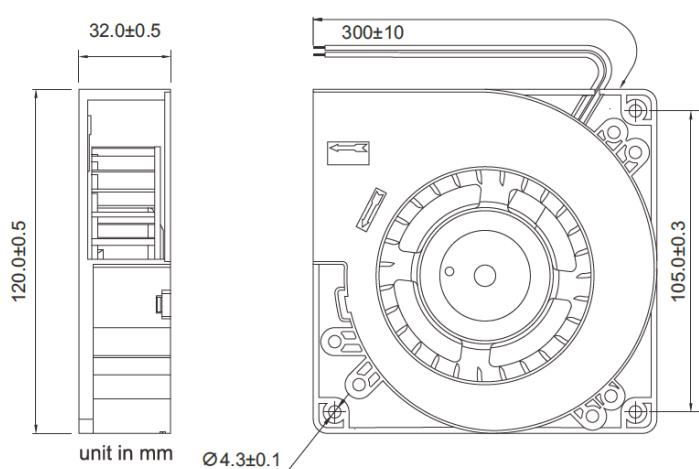
**Bearing:** Ball

**Motor Structure:** DC brushless

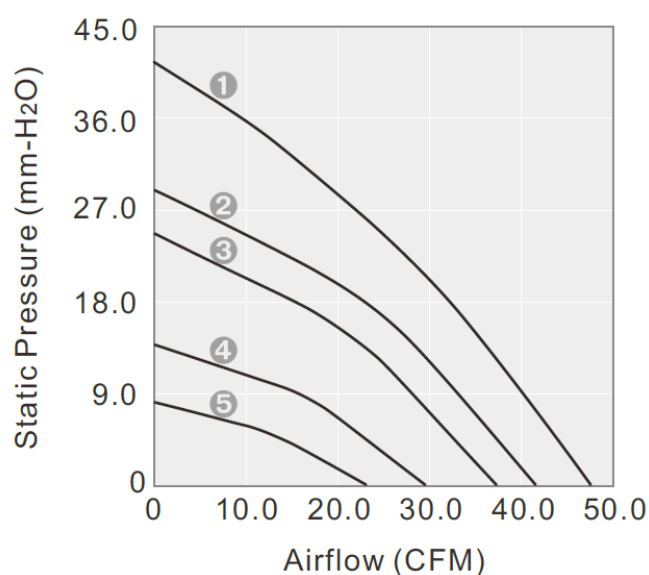
**Termination:** Lead wire 300 mm

**Package:** 258.5 g / PC

### Dimension (units:mm)



### Characteristic Curves



## SPECIFICATION

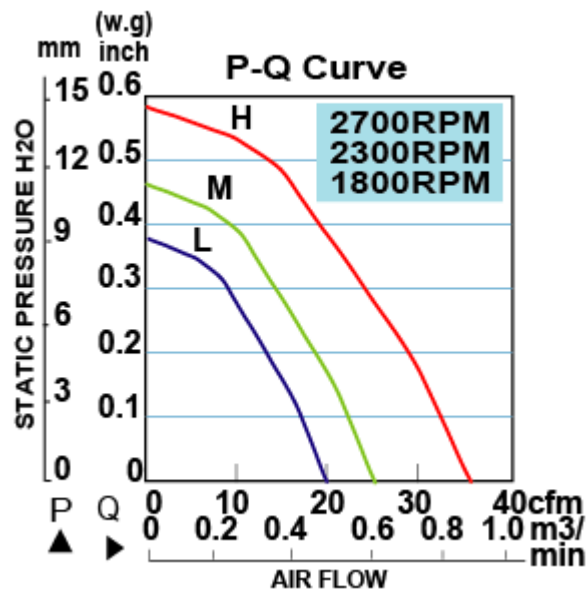
| Model        | Voltage (V) | Current (A) | Power (W) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|--------------|-------------|-------------|-----------|-------------|----------------|-------------------|------------|
| CDB121232LBL | 12          | 0.15        | 1.8       | 1700        | 23.0           | 0.31              | 42.5       |
| CDB121232MBL | 12          | 0.25        | 3.0       | 2100        | 29.5           | 0.54              | 49.5       |
| CDB121232HBL | 12          | 0.7         | 8.4       | 2600        | 37.2           | 0.97              | 57         |
| CDB121232XBL | 12          | 0.9         | 10.8      | 2900        | 41.4           | 1.14              | 59         |
| CDB121232UBL | 12          | 1.5         | 18.0      | 3500        | 47.5           | 1.64              | 62         |
| CDB241232LBL | 24          | 0.12        | 2.88      | 1700        | 23.0           | 0.31              | 42.5       |
| CDB241232MBL | 24          | 0.18        | 4.32      | 2100        | 29.5           | 0.54              | 49.5       |
| CDB241232HBL | 24          | 0.26        | 6.24      | 2600        | 37.2           | 0.97              | 57         |
| CDB241232XBL | 24          | 0.45        | 10.8      | 2900        | 41.4           | 1.42              | 59         |
| CDB241232UBL | 24          | 0.83        | 19.92     | 3500        | 47.5           | 1.64              | 62         |



□126x126x32mm



## Characteristic Curves



## SPECIFICATION

| Model        | Voltage (V) | Current (A) | Power (W) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H2O) | Noise (dB) |
|--------------|-------------|-------------|-----------|-------------|----------------|-------------------|------------|
| CDB051232HBL | 5           | 0.65        | 3.8       | 2300        | 30             | 0.45              | 43         |
| CDB121232HBL | 12          | 0.6         | 7.2       | 2800        | 33             | 0.53              | 47         |
| CDB241232HBL | 24          | 0.37        | 8.8       | 2800        | 33             | 0.53              | 47         |
| CDB481232HBL | 48          | 0.15        | 7.2       | 2800        | 33             | 0.53              | 47         |

**Note: We also offer Medium and Low Speed**



□180X190X70mm



**Frame:** Die cast aluminum

**Impeller:** Glass fiber reinforced PBT thermoplastic, UL94V-0 impeller

**Ambient Temperature Range:** -20°C ~ +70°C

**Operating Voltage Range:** Rated Voltage  $\pm 10\%$

**Bearing:** Ball

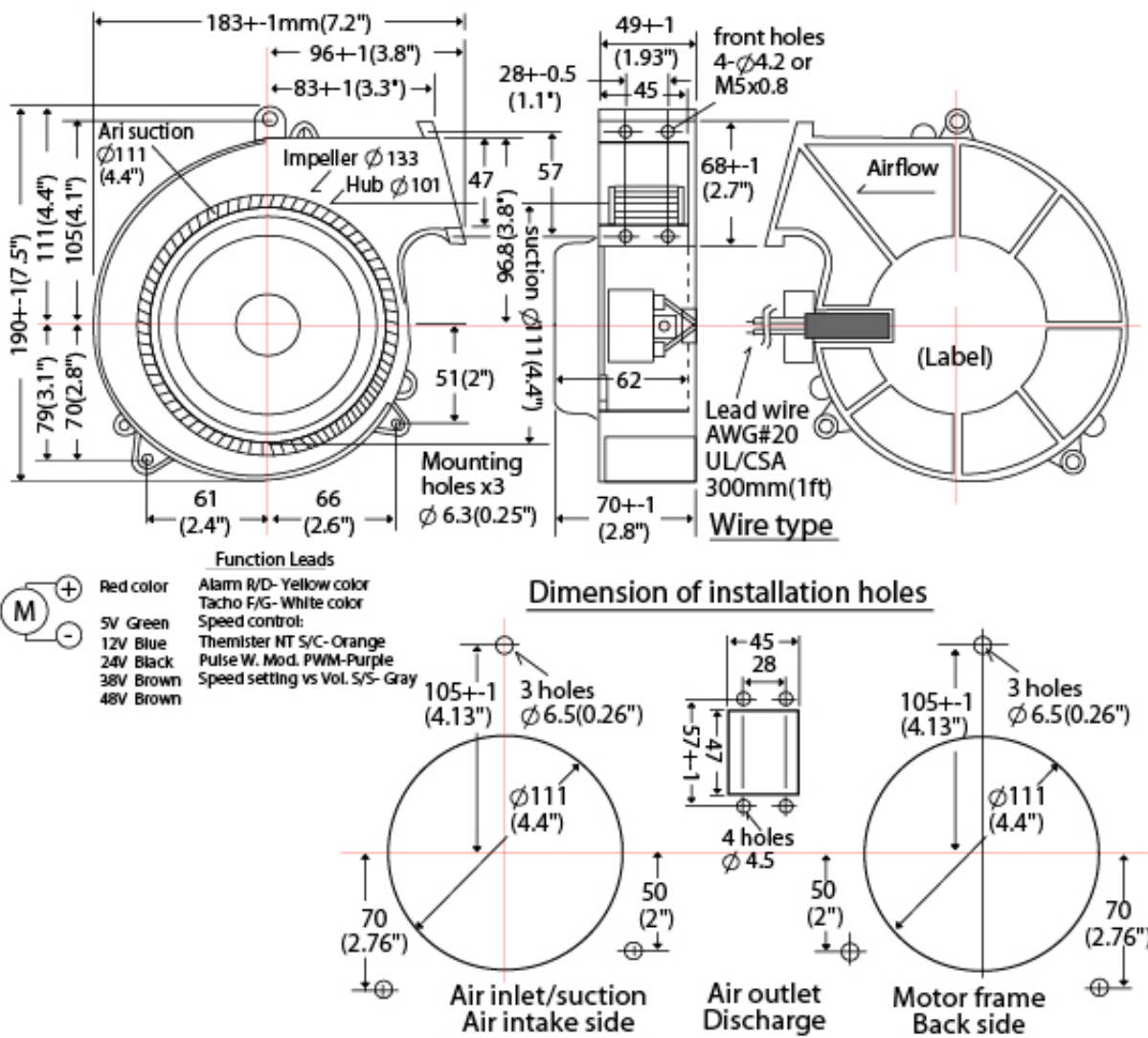
**Motor Structure:** Microprocessor brushless DC, auto cutoff/restart, locking

**Motor protection:** polarity protected

**Termination:** Lead wire 300 mm

**Package:** 1500g / PC

### Dimension (units:mm)



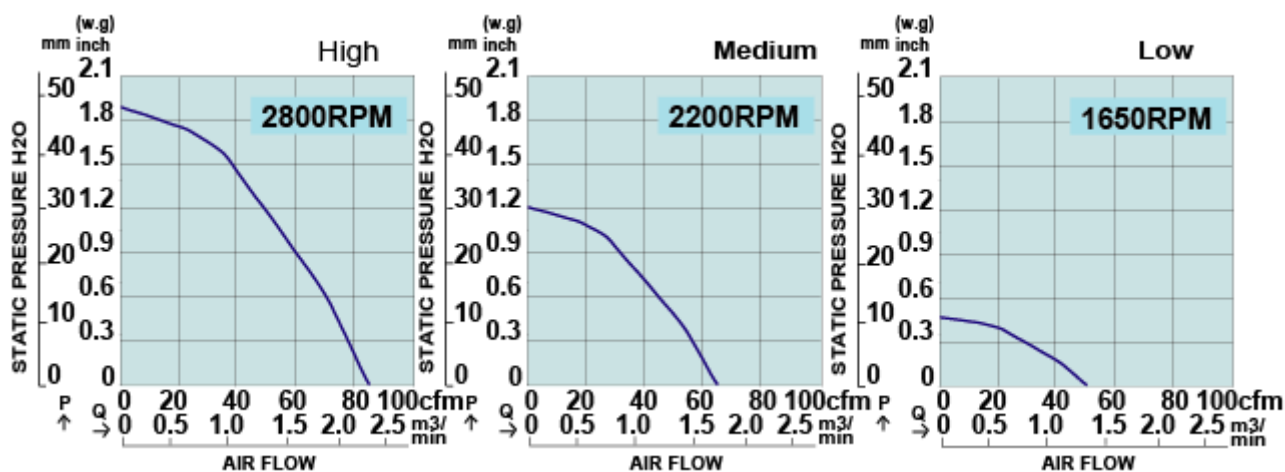




□180X190X70mm



## Characteristic Curves



## SPECIFICATION

| Model        | Voltage (V) | Current (A) | Power (W) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H <sub>2</sub> O) | Noise (dB) |
|--------------|-------------|-------------|-----------|-------------|----------------|--------------------------------|------------|
| CDB121870XBL | 12          | 5.4         | 64.8      | 3100        | 93             | 2.1                            | 68         |
| CDB241870XBL | 24          | 2.65        | 63.6      | 3400        | 105            | 2.3                            | 70         |
| CDB481870XBL | 48          | 1.3         | 62.4      | 3400        | 105            | 2.3                            | 70         |

**Note: We also offer Medium and Low Speed**



□330x330x89 mm



**Frame:** Die cast aluminum

**Impeller:** Glass fiber reinforced PBT thermoplastic, UL94V-0 impeller

**Ambient Temperature Range:** -20°C ~ +65°C

**Operating Voltage Range:** Rated Voltage  $\pm 10\%$

**Bearing:** Ball

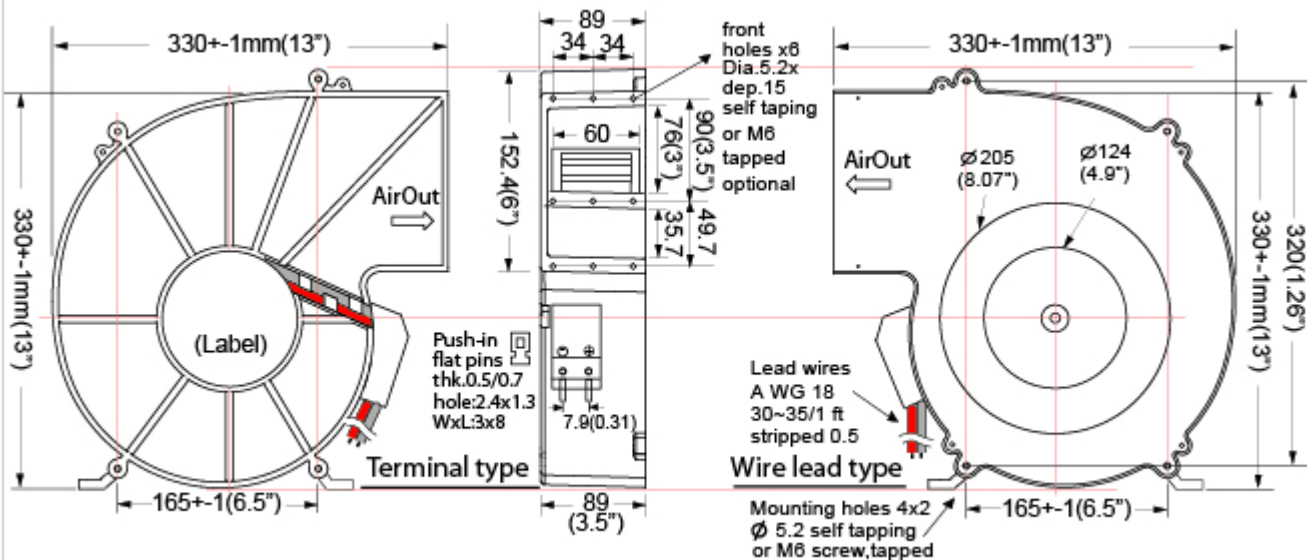
**Motor Structure:** Microprocessor brushless DC, auto cutoff/restart, locking

**Motor protection:** polarity protected

**Termination:** Terminal or Lead wire

**Package:** 5650g / PC

### Dimension (units:mm)

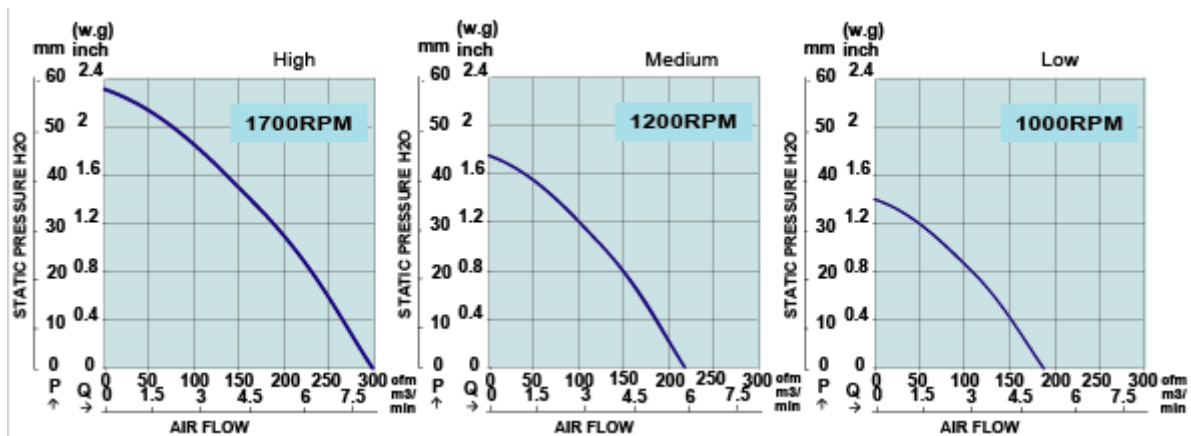




□ 330x330x89 mm



## Characteristic Curves



## SPECIFICATION

| Model        | Voltage (V) | Current (A) | Power (W) | Speed (RPM) | Air Flow (CFM) | Pressure (in-H <sub>2</sub> O) | Noise (dB) |
|--------------|-------------|-------------|-----------|-------------|----------------|--------------------------------|------------|
| CDB123389HBL | 12          | 10/10.6     | 120/128   | 1600        | 285            | 2.2                            | 58         |
| CDB243389HBL | 24          | 4.8/5.3     | 115/128   | 1700        | 300            | 2.3                            | 60         |
| CDB483389HBL | 48          | 2.4/2.7     | 115/128   | 1700        | 300            | 2.3                            | 60         |

**Note: We also offer Medium and Low Speed**



□133x133x72 mm



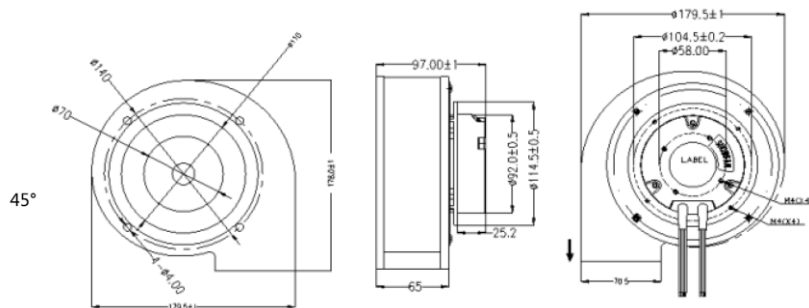
**Frame:** SPCC

**Impeller:** SPCC

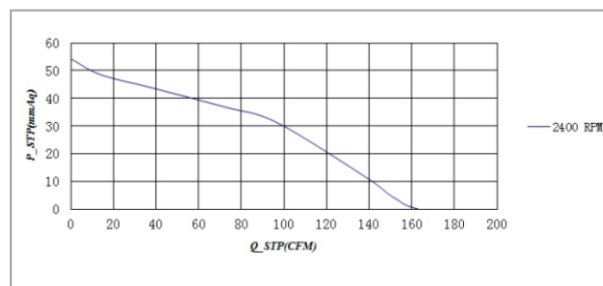
**Ambient Temperature Range:** -10°C ~ +70°C

**Bearing:** Ball

### Dimension (units:mm)



### Characteristic Curves



## SPECIFICATION

| Model       | Voltage (V) | Operating Range(V) | Freq. (Hz) | Power (W) | Speed (RPM) | Air Flow (CFM) | Air Flow (m3/min) | Pressure (in-H2O) | Noise (dB) |
|-------------|-------------|--------------------|------------|-----------|-------------|----------------|-------------------|-------------------|------------|
| CYEB11372HB | 110         | 80-130             | 50/60      | 80        | 2400        | 163            | 4.61              | 2.14              | 69         |
| CYEB21372HB | 220         | 180-265            |            |           |             |                |                   |                   |            |