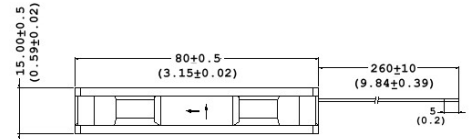
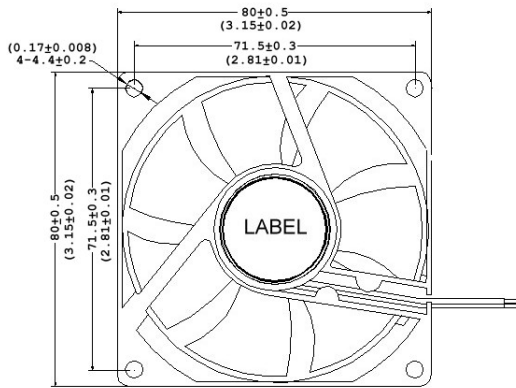


# C8015 Standard Series

# 80x80x15mm (3.15x3.15x0.6in)

# DC FAN



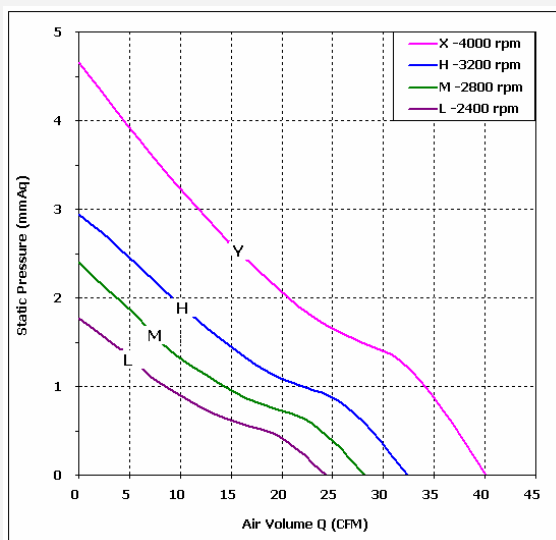
Dimensions are in millimeters. ( ) are in inches.

PART NO.	BEARINGS ●=Ball ○=Sleeve	VOLTAGE (V)	RANGE (VDC)	CURRENT (A)	POWER (W)	SPEED (RPM)	AIR FLOW (Q) (m <sup>3</sup> /min)	AIR FLOW (Q) (CFM)	PRESSURE (P) (mmAq)	PRESSURE (P) (inH <sub>2</sub> O)	* FEATURES (x)	NOISE (dBA)
C8015X12BPLPx	●	12	7~14	0.260	3.12	4000	1.14	40.1	4.66	0.18	1,2a,2b	37.3
C8015X12SPLPx	○	12	7~14	0.260	3.12	4000	1.14	40.1	4.66	0.18	1,2a,2b	37.3
C8015H12BPLPx	●	12	7~14	0.160	1.92	3200	0.92	32.4	2.95	0.12	1,2a,2b	32.1
C8015H12SPLPx	○	12	7~14	0.160	1.92	3200	0.92	32.4	2.95	0.12	1,2a,2b	32.1
C8015M12BPLPx	●	12	7~14	0.110	1.32	2800	0.80	28.1	2.40	0.09	1,2a,2b	29.1
C8015M12SPLPx	○	12	7~14	0.110	1.32	2800	0.80	28.1	2.40	0.09	1,2a,2b	29.1
C8015L12BPLPx	●	12	7~14	0.080	0.96	2400	0.69	24.3	1.77	0.07	1,2a,2b	25.7
C8015L12SPLPx	○	12	7~14	0.080	0.96	2400	0.69	24.3	1.77	0.07	1,2a,2b	25.7
C8015X24BPLPx	●	24	12~27	0.135	3.24	4000	1.14	40.1	4.66	0.18	1,2a,2b	37.3
C8015X24SPLPx	○	24	12~27	0.135	3.24	4000	1.14	40.1	4.66	0.18	1,2a,2b	37.3
C8015H24BPLPx	●	24	12~27	0.090	2.16	3200	0.92	32.4	2.95	0.12	1,2a,2b	32.1
C8015H24SPLPx	○	24	12~27	0.090	2.16	3200	0.92	32.4	2.95	0.12	1,2a,2b	32.1
C8015M24BPLPx	●	24	12~27	0.065	1.56	2800	0.80	28.1	2.40	0.09	1,2a,2b	29.1
C8015M24SPLPx	○	24	12~27	0.065	1.56	2800	0.80	28.1	2.40	0.09	1,2a,2b	29.1
C8015L24BPLPx	●	24	12~27	0.050	1.20	2400	0.69	24.3	1.77	0.07	1,2a,2b	25.7
C8015L24SPLPx	○	24	12~27	0.050	1.20	2400	0.69	24.3	1.77	0.07	1,2a,2b	25.7

\* Features: 1=AS - Auto-Start (standard), 2a=FG - Tachometer, 2b=RD - Rotation Detection

When ordering a part number, substitute suffix x with required feature (Ex: C8015H12BPLPx with feature 1 = C8015H12BPLP1. Ex: C8015H12BPLPx with feature 2a = C8015H12BPLP2a)

### Performance Curves



### Electrical Specifications

Dielectric Strength:	500VAC (1mA/1min) or 600VAC (2 sec)	Frame to lead wires.
Insulation Resistance:	>10MΩ	At 500VDC between frame and (+/-) lead wires.
Motor:	Brushless DC with permanent magnet	
Tolerances:	+/-10% on rated current and speed	Power consumption of sleeve bearing may be up to 10% higher than ball bearing.

### Mechanical Specifications

Airflow Direction:	Air over struts
Frame:	Thermoplastic PBT (GF 30%), Class UL94V-0
Impeller:	Thermoplastic PBT (GF 15%), Class UL94V-0
Lead Wires (L):	UL1007, 24AWG/260mm; Red(+); Black (-)
Weight:	50.5g (1.78oz)
Rotation:	Counterclockwise viewed from impeller
Life Expectancy:	Ball: 50,000 hrs. @25°C T <sub>A</sub> (Sleeve: 30,000 hrs. @25°C T <sub>A</sub> )

### Environmental Specifications

Operating Temperature:	-10 to +70°C	At 35-85% relative humidity
Storage Temperature:	-40 to +80°C	At 35-85% relative humidity
Acoustical:	Anechoic chamber at free air.	Measured at 1 meter from the fan and perpendicular to the direction of the airflow.

### Optional Features

1	Auto-Start (AS) - standard	Protects fan if obstructed by an external object.	No Wire
2a	Tachometer (FG)	Informs user of fan running speed.	Yellow Wire
2b	Rotation Detection (RD)	Detects whether fan is running or has stopped.	Grey Wire

Specifications subject to change without notice.

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