



Skeleton

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DC Skeleton

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□ 75x24mm (□ 2.95x0.94 in)



Impeller: Glass fiber reinforced plastic (UL94V-0)

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

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

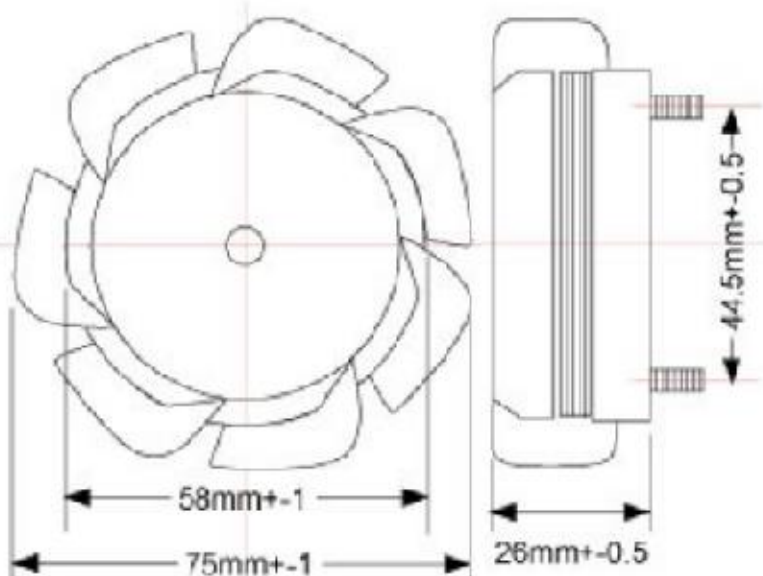
Motor Structure: Shaded pole induction

Motor protection: Impedance Protected

Termination: Lead wire

Package: 220g / PC

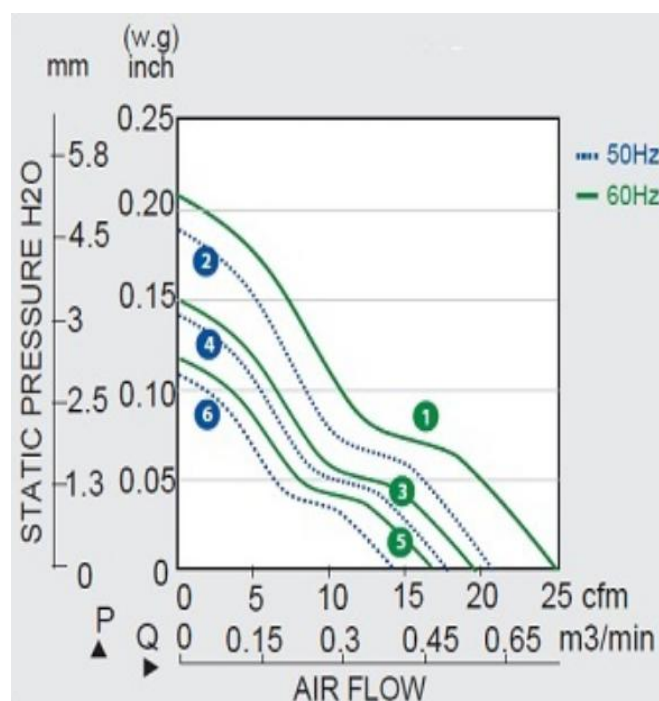
Dimension (units:mm)



Mounting screw x 2
M3.5 x 0.6P
L: 8±2mm

*Screw Length can be changed
to meet customer requirement.

Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYS17524HB	115	50/60	11/9	2500/3000	22/25	4.57/5.33	28
CYS27524HB	230	50/60	11/9	2500/3000	22/25	4.57/5.33	28



□ 75x37mm (□ 2.95x1.45 in)



Impeller: Glass fiber reinforced plastic (UL94V-0)

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

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

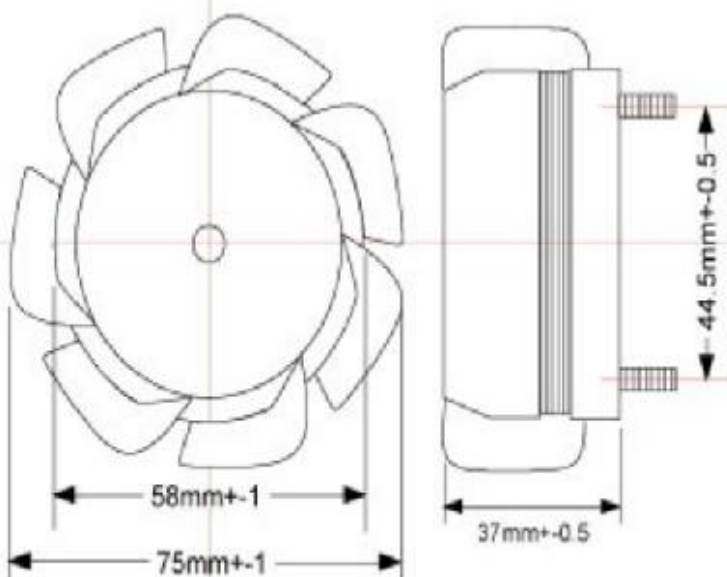
Motor Structure: Shaded pole induction

Motor protection: Impedance Protected

Termination: Lead wire

Package: 370g / PC

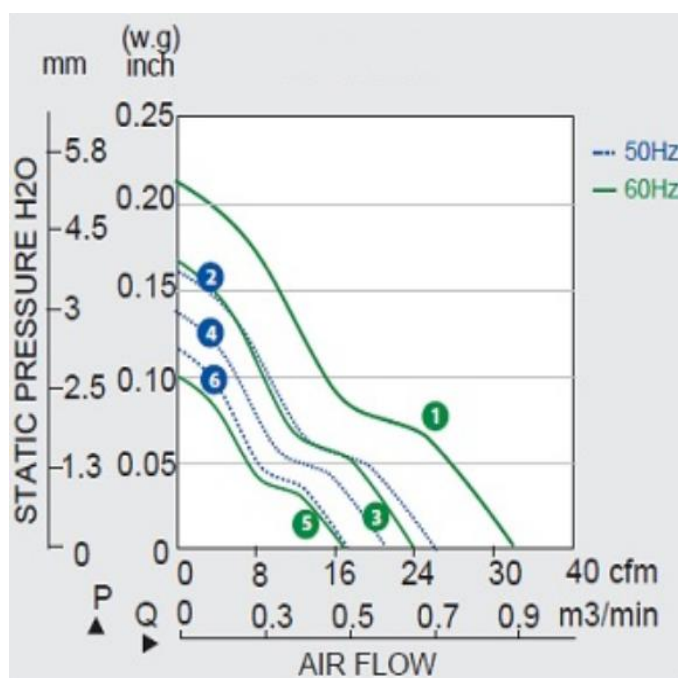
Dimension (units:mm)



Mounting screw x 2
M3.5 x 0.6P
L: 8 ± 2mm

*Screw Length can be changed
to meet customer requirement.

Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYS17537HB	115	50/60	14/12	2700/3250	26/31	4.06/5.59	29
CYS27537HB	230	50/60	14/12	2700/3250	26/31	4.06/5.59	29



□ 84x37mm
(□ 3.3x1.45 in)



Impeller: Glass fiber reinforced plastic (UL94V-0)

Ambient Temperature Range: -20°C ~ +80°C

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

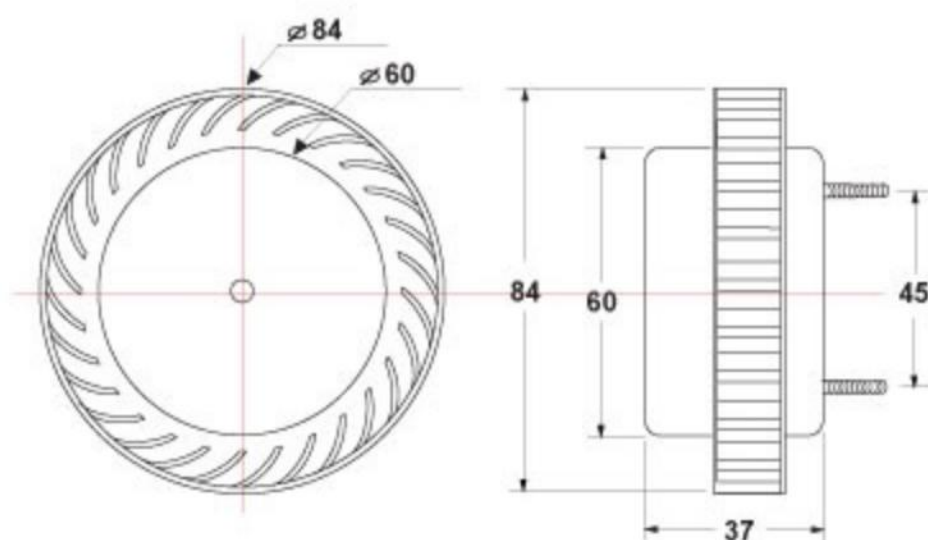
Motor Structure: Shaded pole induction

Motor protection:

Termination: Lead wire

Package: 320g / PC

Dimension (units:mm)



Mounting Screw x 2
M3.5 x 0.6P
L= 10+-2mm

* Screw Length can be to meet customer requirment.

SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYS18437HB	115	50/60	20/18	2550/2800	29/33	10.67/12.7	48
CYS28437HB	230	50/60	20/18	2550/2800	29/33	10.67/12.7	47



□ 85x28.5mm
(□ 3.34x1.12 in)



Impeller: Glass fiber reinforced plastic (UL94V-0)

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

Operating Voltage Range: Rated Voltage ±10%

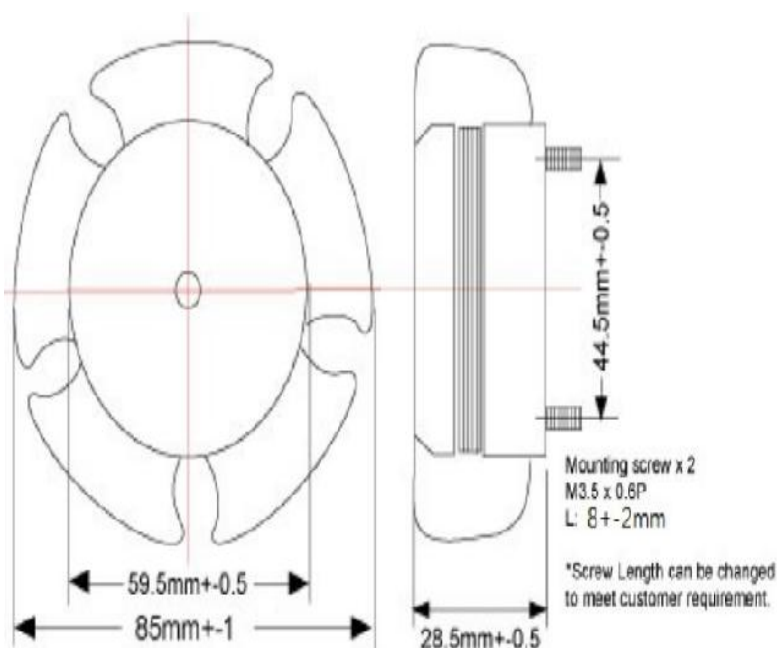
Bearing: Ball bearing

Motor Structure: Shaded pole induction

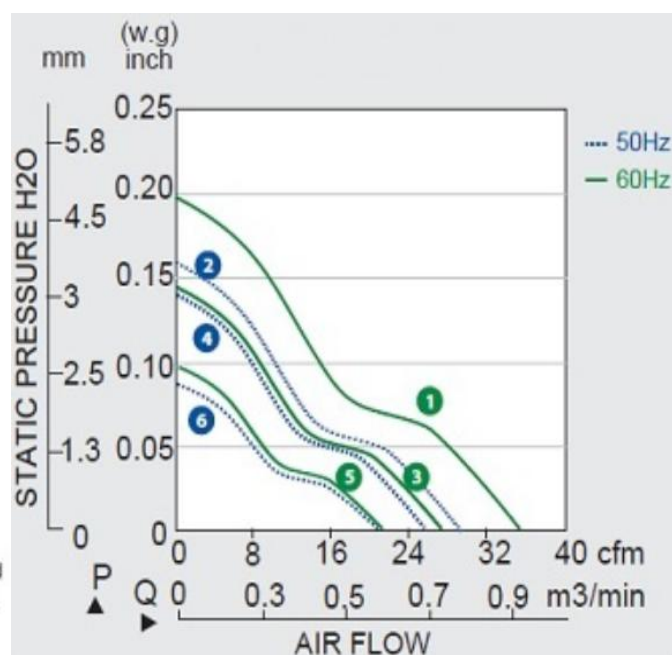
Motor protection: Impedance Protected

Termination: Lead wire

Dimension (units:mm)



Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYS18528HB	115	50/60	15/13	2500/3000	30/35	4.06/5.08	30
CYS28528HB	230	50/60	15/13	2500/3000	30/35	4.06/5.08	30



□ 85x42mm
(□ 3.34x1.65 in)



Impeller: Glass fiber reinforced plastic (UL94V-0)

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

Operating Voltage Range: Rated Voltage ±10%

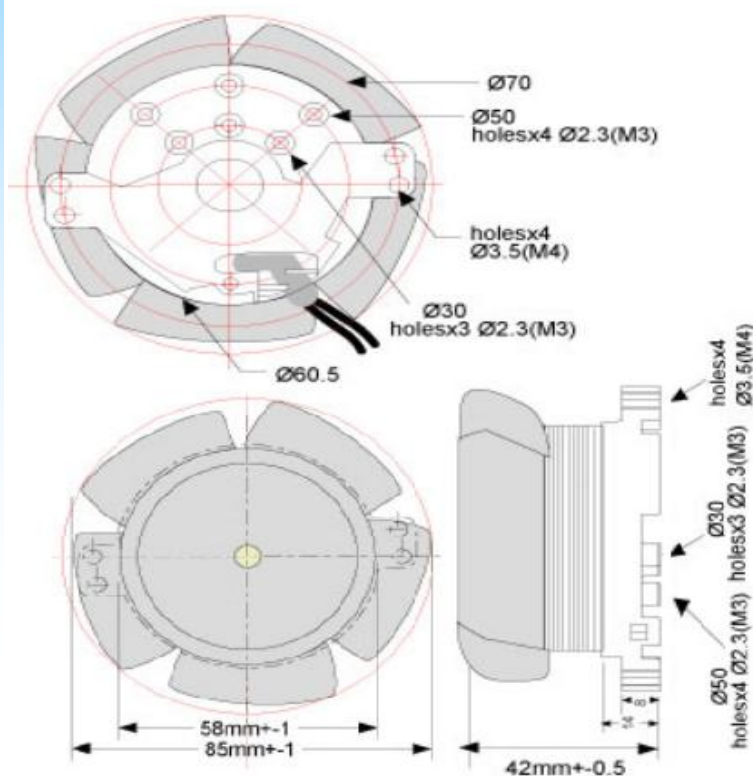
Bearing: Ball bearing

Motor Structure: Shaded pole induction

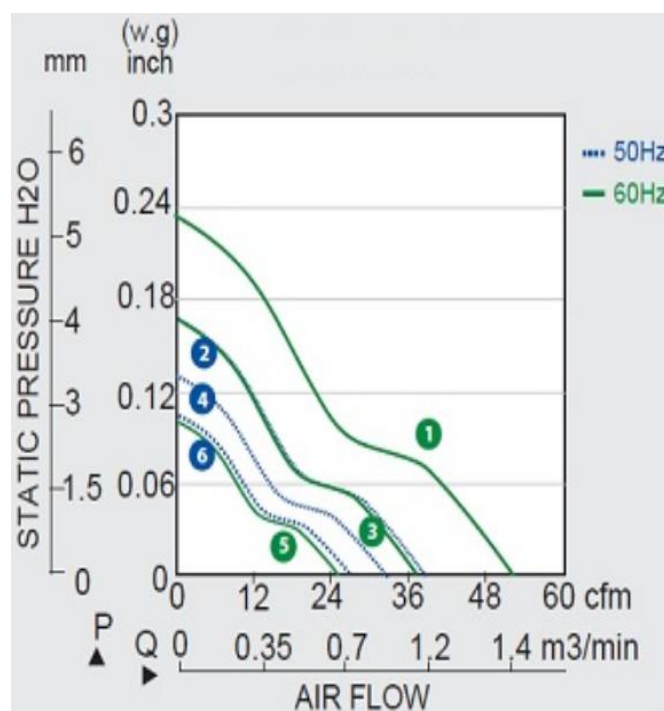
Motor protection: Impedance Protected

Termination: Lead wire

Dimension (units:mm)



Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYS18542HB	115	50/60	11/9	2650/3100	43/52	4.06/5.59	33
CYS28542HB	230	50/60	11/9	2650/3100	43/52	4.06/5.59	33



□ **113x37mm**
(□ **4.44x1.45 in**)



Impeller: Glass fiber reinforced plastic (UL94V-0)

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

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

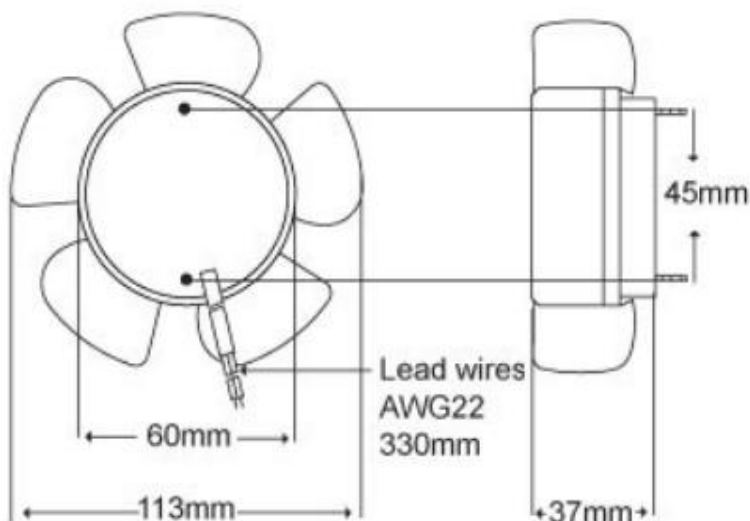
Motor Structure: Shaded pole induction

Motor protection: Impedance Protected

Termination: Lead wire

Package: 490g / PC

Dimension (units:mm)



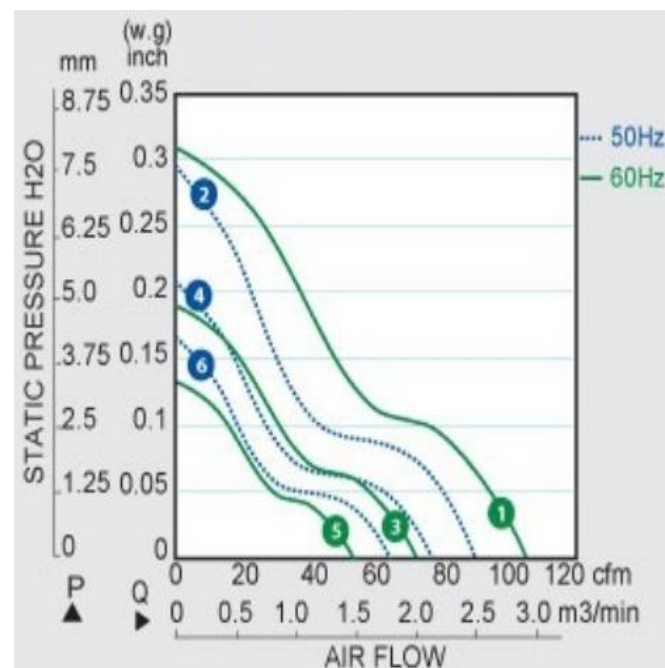
Mounting screw x 2

M3.5 x 0.6P

L: 13+-1mm

*Screw Length can be changed
to meet customer requirement.

Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYS11337HB	115	50/60	17/15	2500/2700	85/101	7.37/8.13	43
CYS21337HB	230	50/60	17/15	2500/2700	85/101	7.37/8.13	43



□ **120x40mm**
(□ **4.72x1.57 in**)



Impeller: Glass fiber reinforced plastic (UL94V-0)

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

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

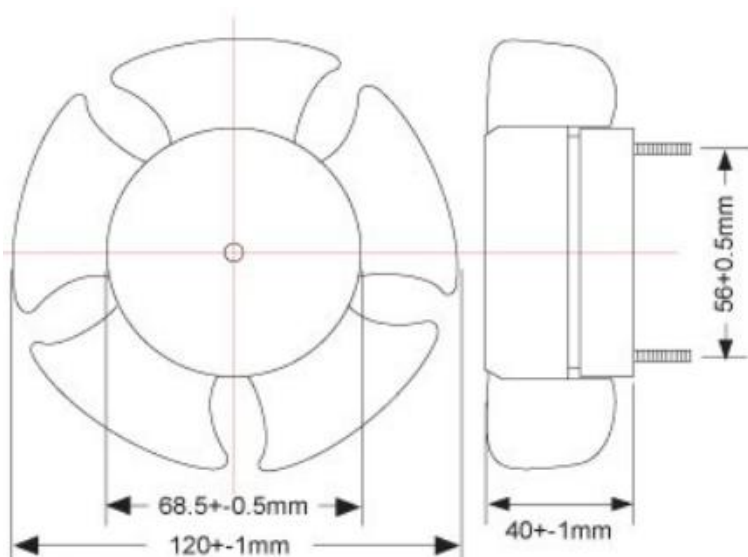
Motor Structure: Shaded pole induction

Motor protection: Impedance Protected

Termination: Lead wire

Package: 410g / PC

Dimension (units:mm)



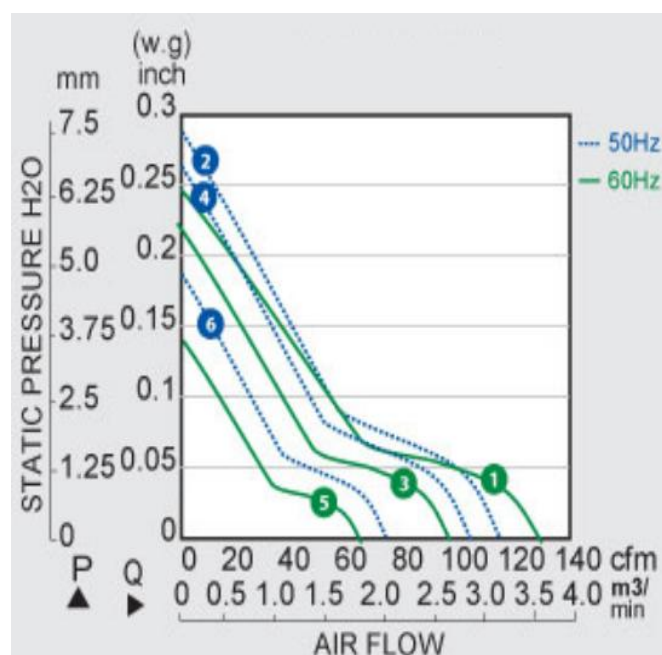
Mounting screw x 2

M3.5 x 0.6P

L: 12±3mm

*Screw Length can be changed
to meet customer requirement.

Characteristic Curves

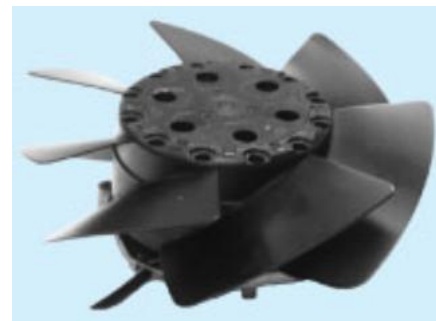


SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYS11240HB	115	50/60	16/14	2400/2300	115/130	7.37/6.35	46
CYS21240HB	230	50/60	16/14	2400/2300	115/130	7.37/6.35	46



□ 140x56mm (□ 5.51x2.2 in)



Impeller: Steel metal fan blades

Ambient Temperature Range: -30°C ~ +80°C

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

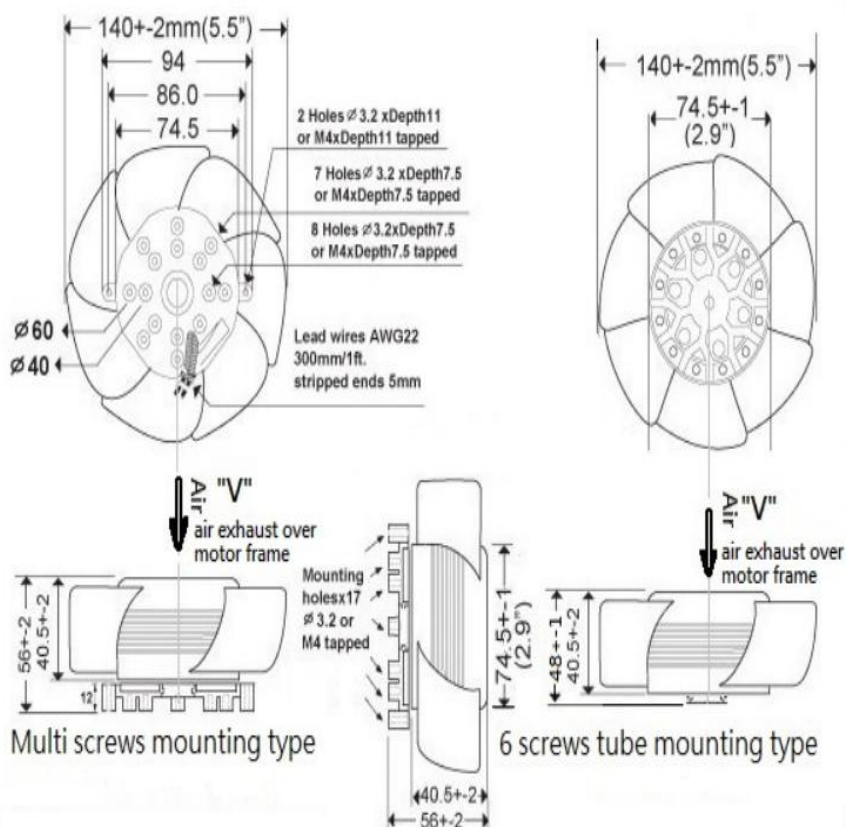
Motor Structure: Shaded pole induction, Single-phase

Motor protection: Thermal Protected

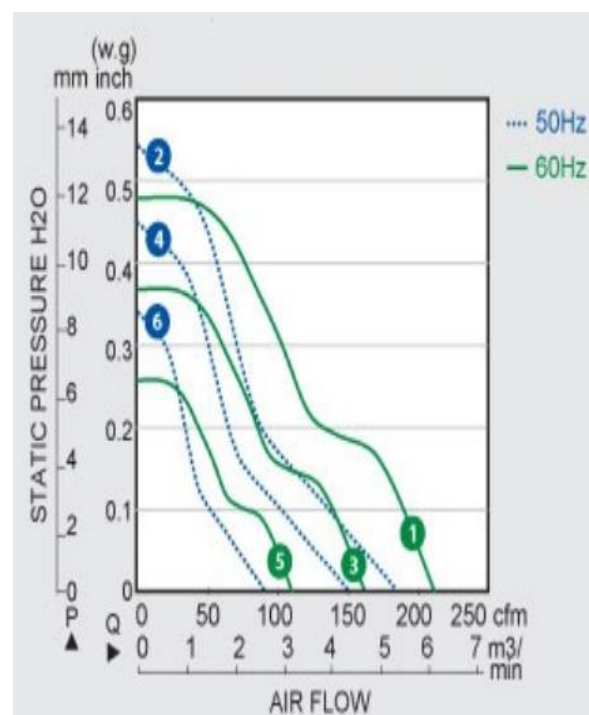
Termination: Lead wire

Package: 850g / PC

Dimension (units:mm)



Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYMS11456HB	115	50/60	47/42	2750/3200	183/220	12.45/10.67	60
CYMS21456HB	230	50/60	47/42	2750/3200	183/220	12.45/10.67	60



□ 143x50mm
(□ 5.62x1.96 in)



Impeller: Glass fiber reinforced plastic (UL94V-0)

Ambient Temperature Range: -30°C ~ +70°C

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

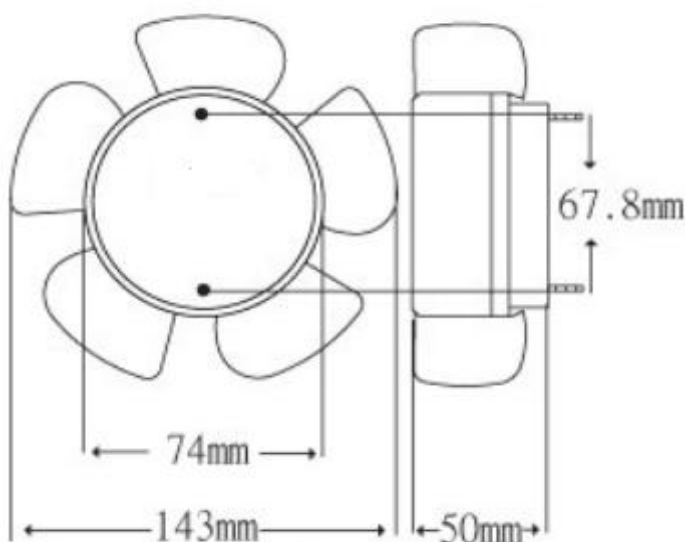
Motor Structure: Shaded pole induction

Motor protection: Impedance Protected

Termination: Lead wire

Package: 910g / PC

Dimension (units:mm)



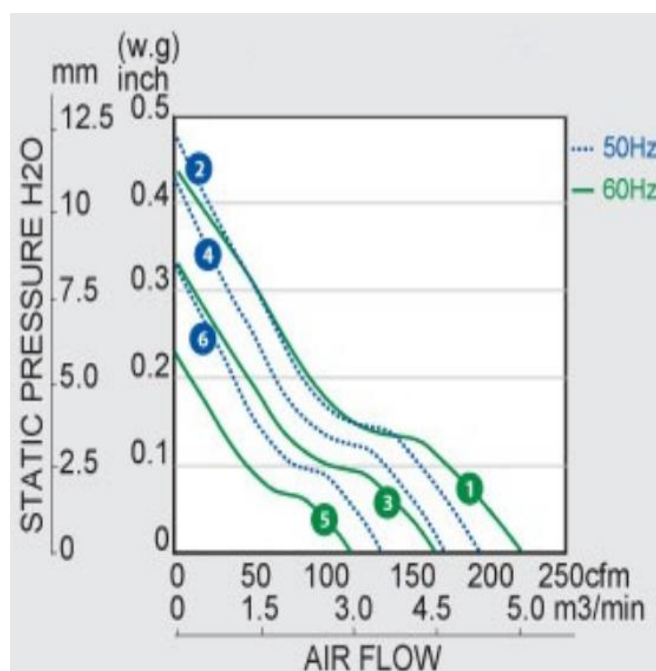
Mounting screw x 2

M3.5 x 0.6P

L: 8.2±1mm

*Screw Length can be changed to meet customer requirement.

Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYS11450HB	115	50/60	30/26	2500/2800	183/210	11.94/10.92	47
CYS21450HB	230	50/60	30/26	2500/2800	183/210	11.94/10.92	47



□ 145x38mm
(□ 5.7x1.49 in)



Impeller: Steel metal fan blades

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

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

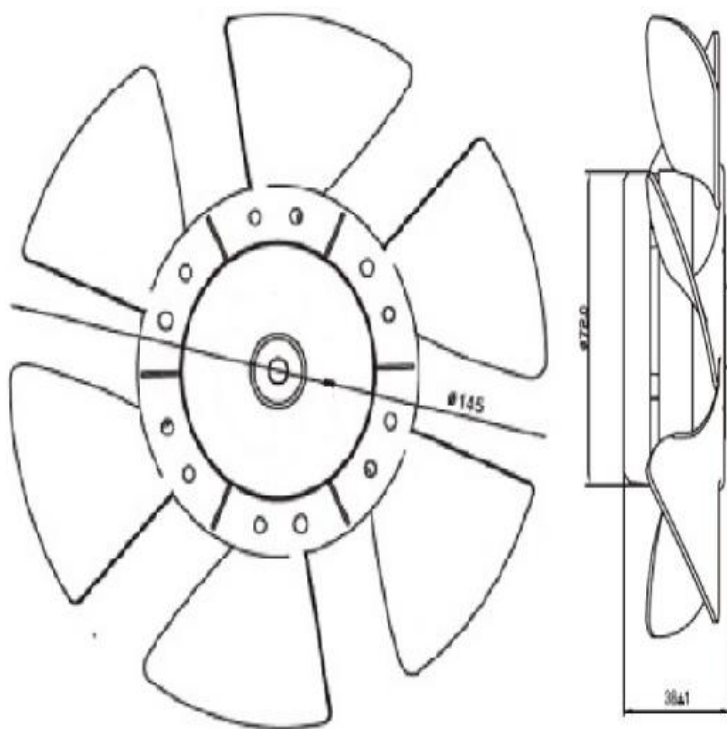
Motor Structure: Capacitor induction

Motor protection: Thermal Protected

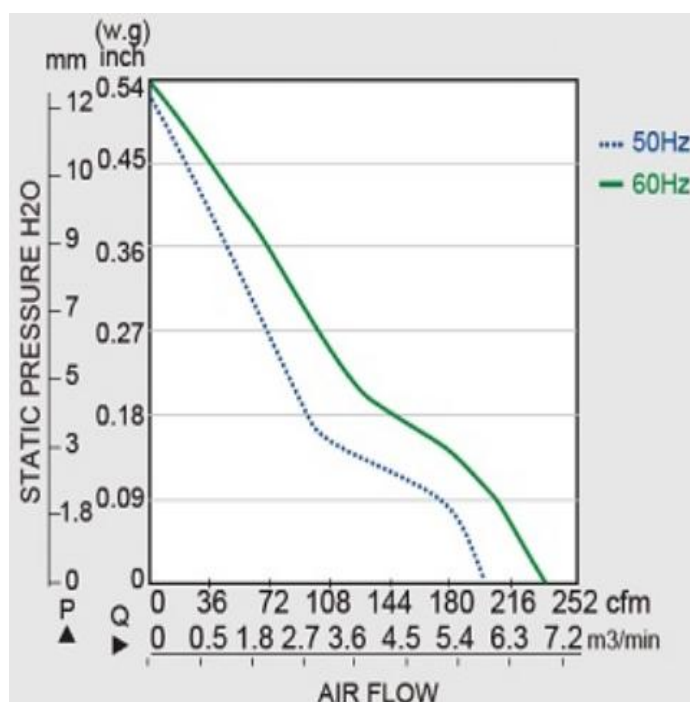
Termination: Lead wire

Package: 610g / PC

Dimension (units:mm)



Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYMS11438HB	115	50/60	40/32	2700/3100	210/240	13.46/14.48	53/59
CYMS21438HB	230	50/60	40/32	2700/3100	210/240	13.46/14.48	53/59



□ 160x80mm (□ 6.29x3.14 in)



Impeller: Steel metal fan blades

Ambient Temperature Range: -30°C ~ +80°C

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

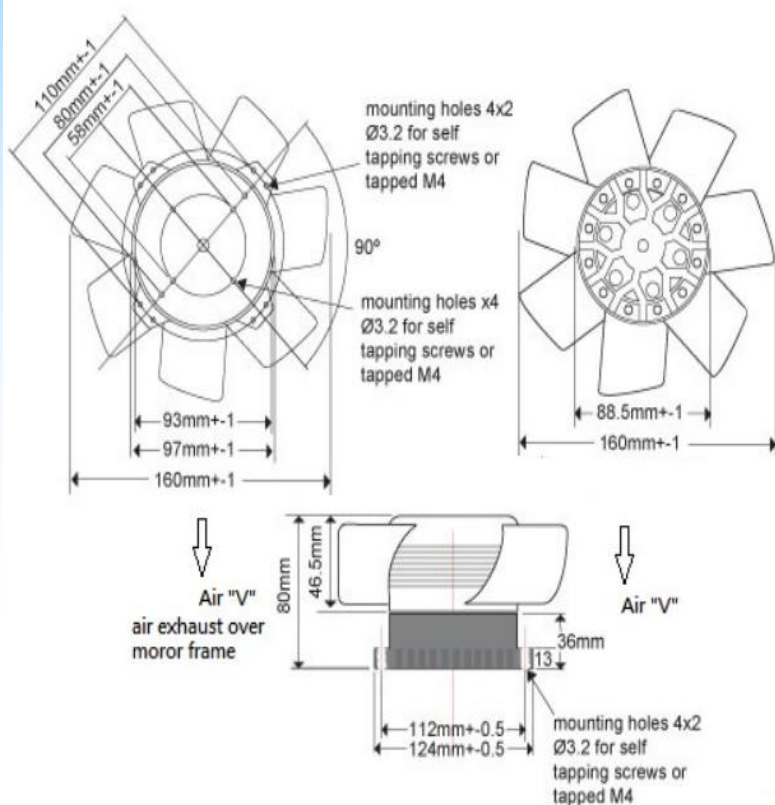
Motor Structure: Capacitor induction

Motor protection: Thermal Protected

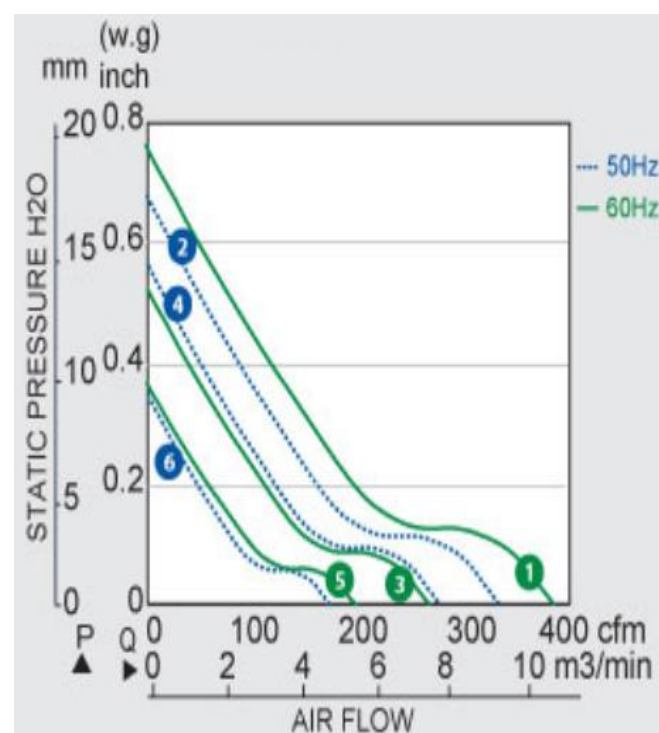
Termination: Lead wire

Package: 1100g / PC

Dimension (units:mm)



Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYMS11680HB	115	50/60	60/80	2800/3250	340/410	17.27/19.05	62
CYMS21680HB	230	50/60	60/80	2800/3250	340/410	17.27/19.05	62



□ 172x79mm
(□ 6.77x3.11 in)



Impeller: Steel metal fan blades

Ambient Temperature Range: -30°C ~ +80°C

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

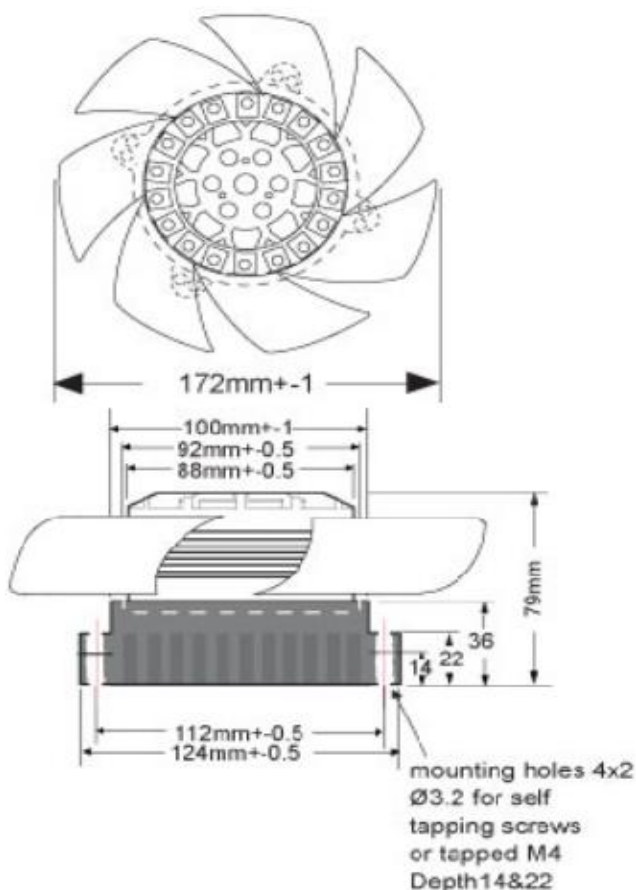
Motor Structure: Capacitor induction, 2 or 4 poles

Motor protection: Thermal Protected

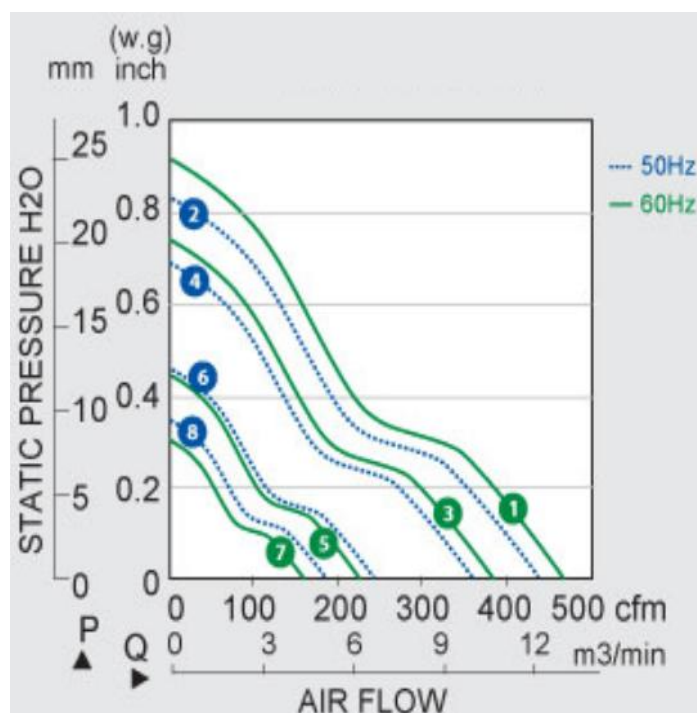
Termination: Lead wire

Package: 1980g / PC

Dimension (units:mm)



Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYMS11779HB	115	50/60	95/105	2800/3300	430/485	20.83/23.62	66
CYMS21779HB	230	50/60	95/105	2800/3300	430/485	20.83/23.62	66



□ **193x68mm**
(□ **7.59x2.67 in**)



Impeller: Glass fiber reinforced plastic (UL94V-0)

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

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

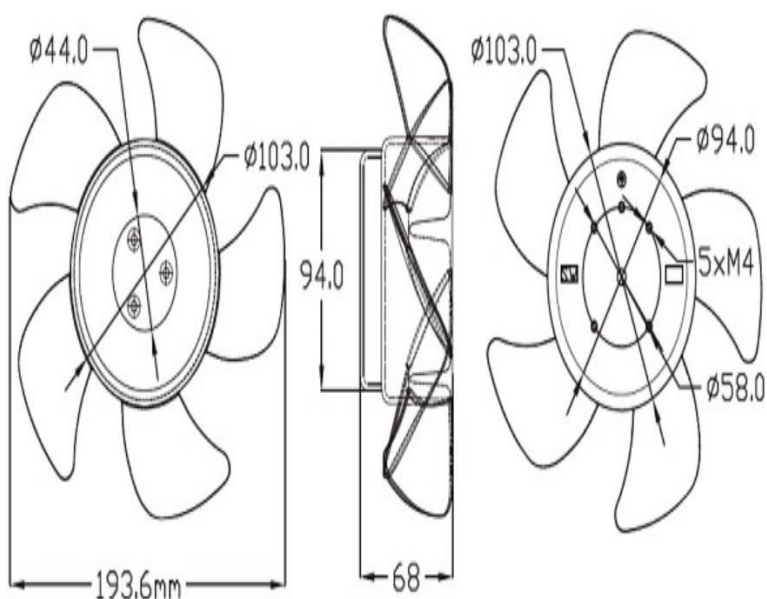
Motor Structure: Capacitor induction

Motor protection: Thermal Protected

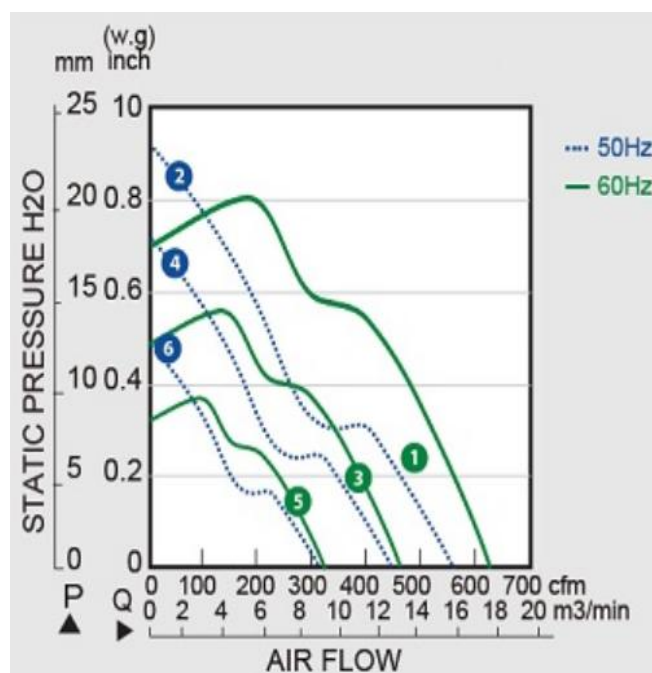
Termination: Lead wire

Package: 1580g / PC

Dimension (units:mm)



Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYS11968HB	115	50/60	60/75	2800/3150	587/660	23.11/17.78	69
CYS21968HB	230	50/60	60/75	2800/3150	587/660	23.11/17.78	69



□ **197x79mm**
(□ **7.75x3.11 in**)



Impeller: Steel metal fan blades

Ambient Temperature Range: -30°C ~ +80°C

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

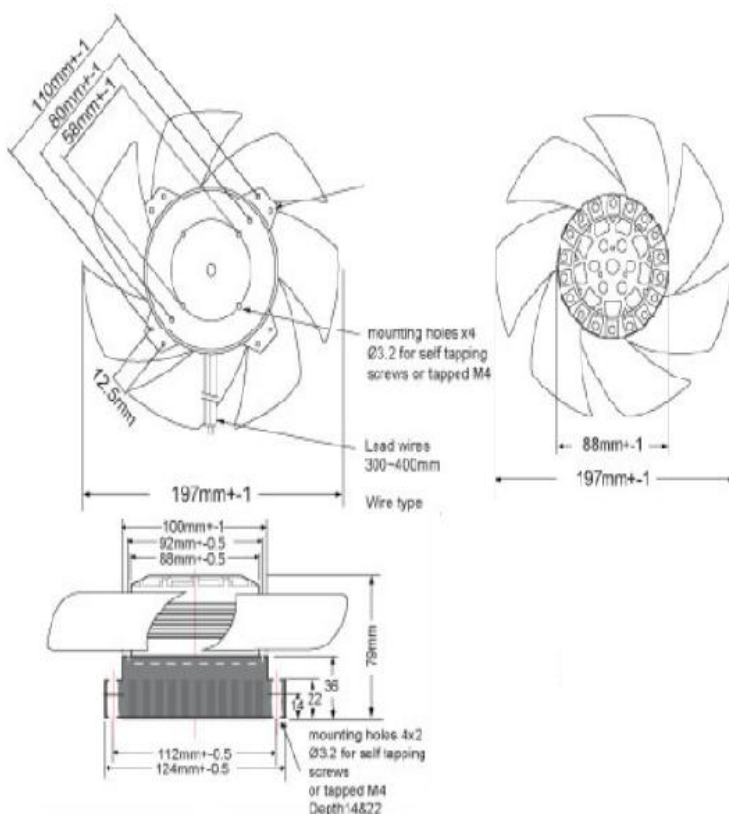
Motor Structure: Capacitor induction

Motor protection: Thermal Protected

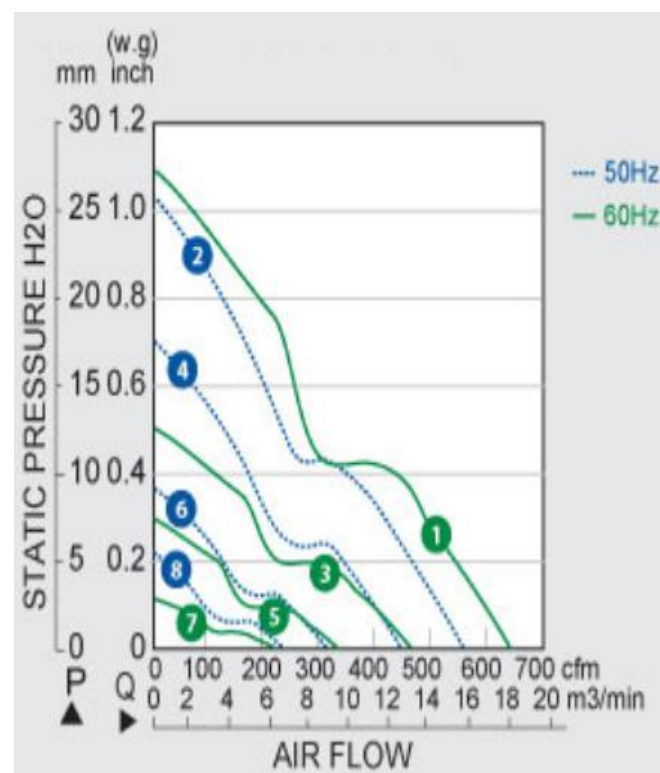
Termination: Lead wire

Package: 1800g / PC

Dimension (units:mm)



Characteristic Curves

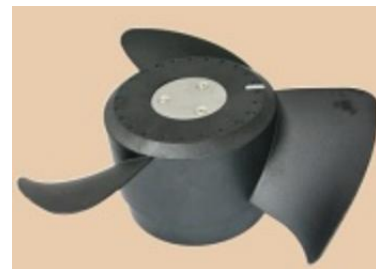


SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYMS11979HB	115	50/60	60/80	2800/3000	520/590	23.11/21.84	68
CYMS21979HB	230	50/60	60/80	2800/3000	520/590	23.11/21.84	68



□ 214x75mm
(□ 8.42x2.95 in)



Impeller: Glass fiber reinforced plastic (UL94V-0)

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

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

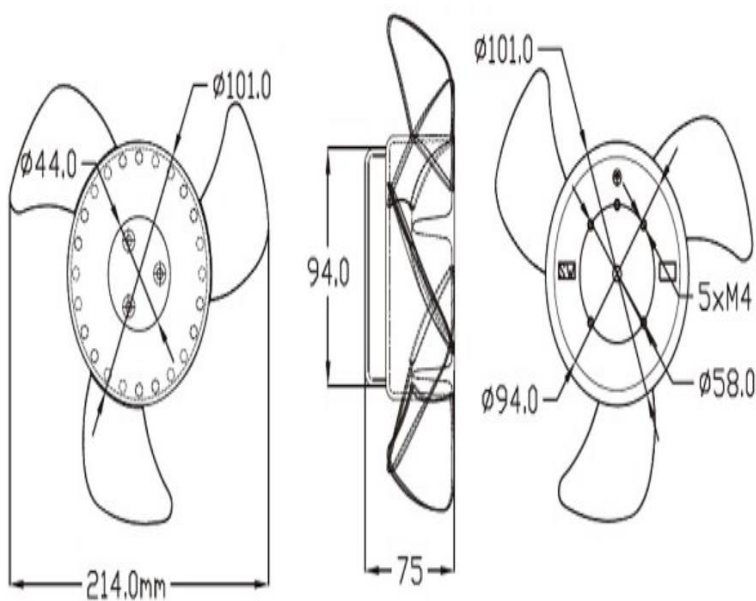
Motor Structure: Capacitor induction

Motor protection: Thermal Protected

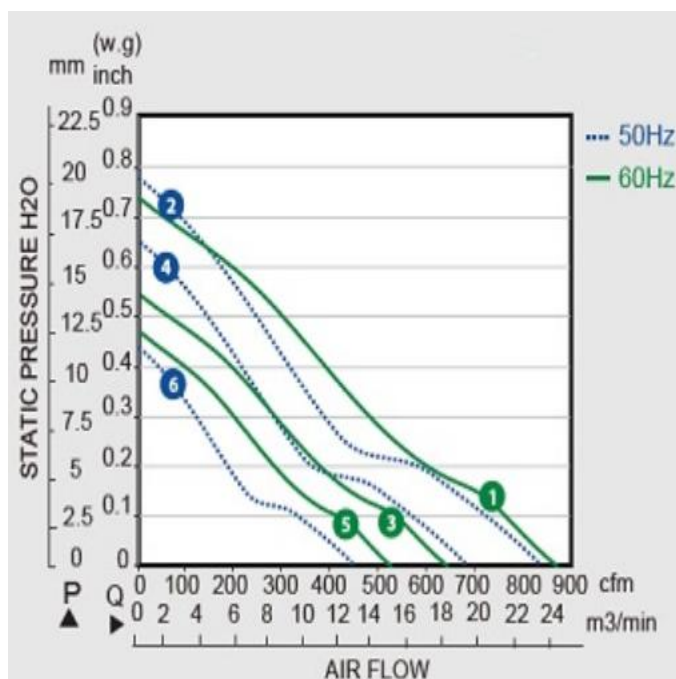
Termination: Lead wire

Package: 1740g / PC

Dimension (units:mm)



Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYS12175HB	115	50/60	60/75	2600/2700	820/860	19.81/18.54	65
CYS22175HB	230	50/60	60/75	2600/2700	820/860	19.81/18.54	65



□ **219x87mm**
(□ **8.62x3.42 in**)



Impeller: Steel metal fan blades

Ambient Temperature Range: -30°C ~ +80°C

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

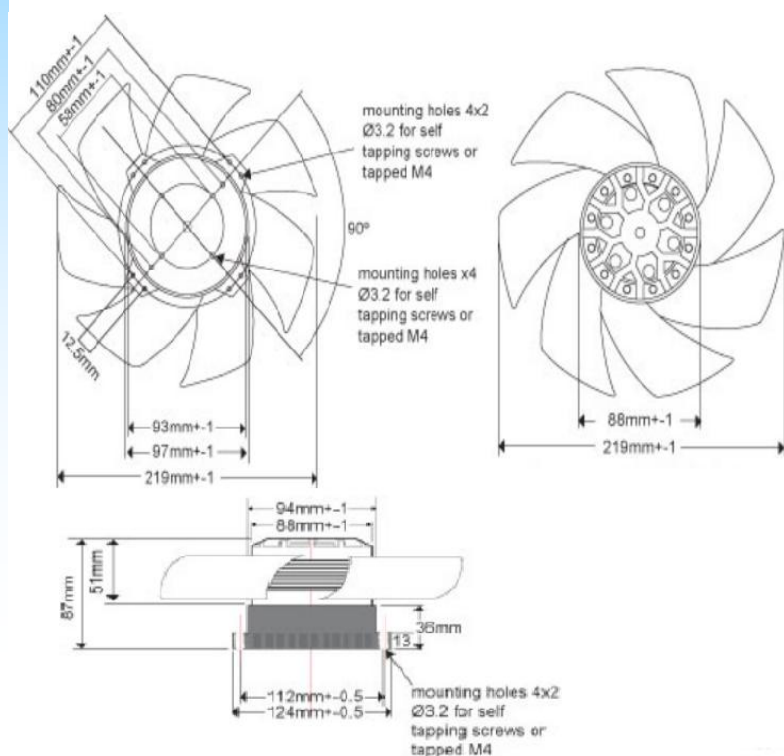
Motor Structure: Capacitor induction

Motor protection: Thermal Protected

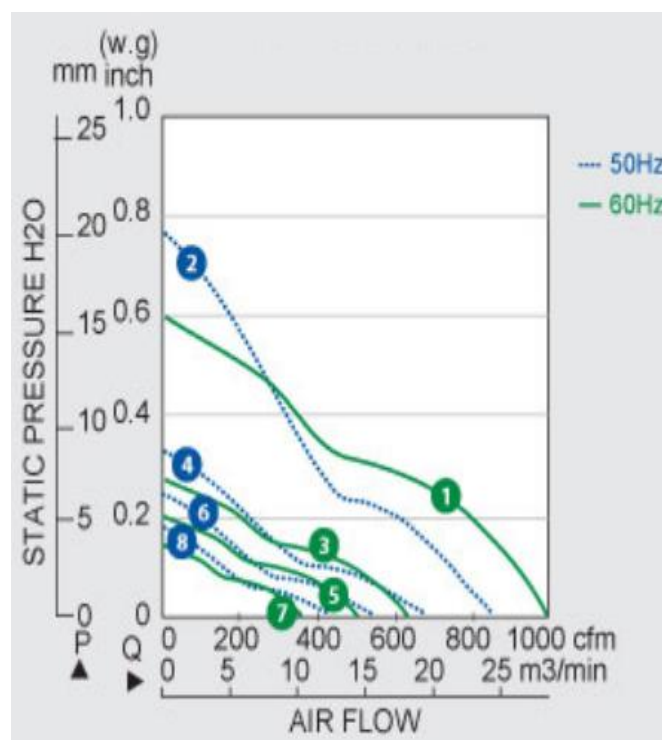
Termination: Lead wire

Package: 1900g / PC

Dimension (units:mm)



Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYMS12287HB	115	50/60	95/105	2800/3200	830/1000	19.81/15.24	70
CYMS22287HB	230	50/60	95/105	2800/3200	830/1000	19.81/15.24	70



□ 245x100mm (□ 9.64x3.93 in)



Impeller: Steel metal fan blades

Ambient Temperature Range: -30°C ~ +80°C

Operating Voltage Range: Rated Voltage ±10%

Bearing: Ball bearing

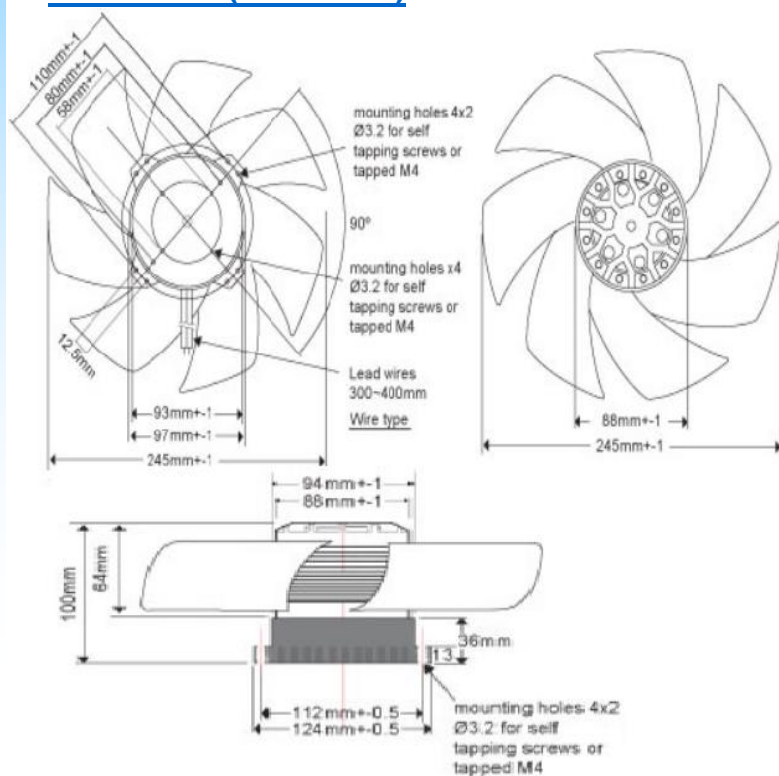
Motor Structure: Capacitor induction

Motor protection: Thermal Protected

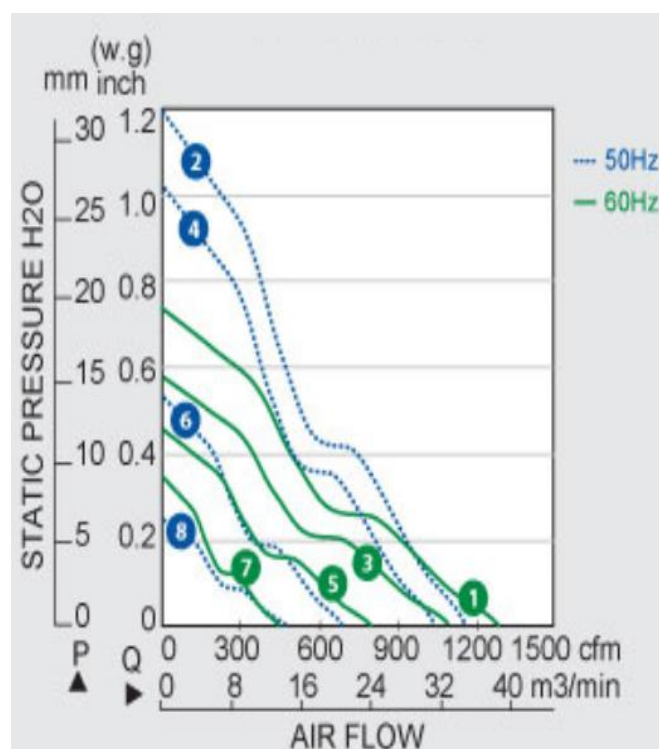
Termination: Lead wire

Package: 2500g / PC

Dimension (units:mm)



Characteristic Curves



SPECIFICATION

Model	Voltage (V)	Freq. (Hz)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (mm Aq)	Noise (dB)
CYMS12410HB	115	50/60	155/210	2800/3200	1150/1300	30.48/19.05	74
CYMS22410HB	230	50/60	155/210	2800/3200	1150/1300	30.48/19.05	74



□ 108x36 mm



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

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

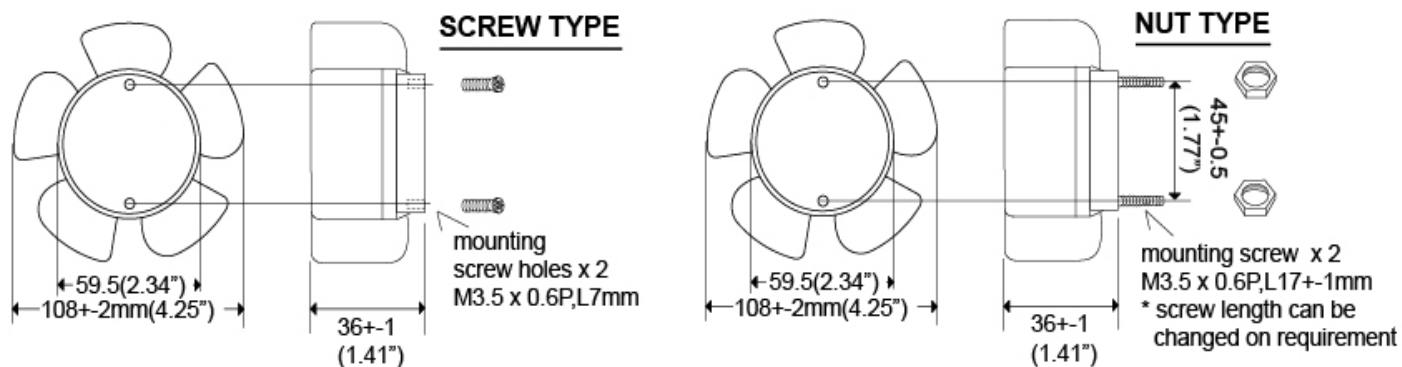
Bearing: Ball

Motor Structure: DC Brushless Motor

Termination: Lead wire 350 mm

Package: 170g / PC

Dimension (units:mm)



SPECIFICATION

Model	Voltage (V)	Operating Voltage Range(VDC)	Current (A)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (in-H2O)	Noise (dB)
CDS121036LBL	12	10~14	0.2	2.4	2000	65	0.13	26
CDS121036MBL	12	8~13.8	0.4	4.8	2500	78	0.21	33
CDS121036HBL	12	8~13.8	0.5	6	3100	100	0.28	42
CDS241036LBL	24	18~27.6	0.15	3.6	2000	65	0.13	26
CDS241036MBL	24	18~27	0.19	4.6	2550	82	0.21	33
CDS241036HBL	24	15~26	0.23	5.5	3200	105	0.28	42
CDS481036LBL	48	30~56	0.07	3.6	2000	65	0.13	26
CDS481036MBL	48	28~55.2	0.08	4.6	2550	82	0.21	33
CDS481036HBL	48	28~55	0.1	5.5	3200	105	0.28	42



□ 120x41 mm



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

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

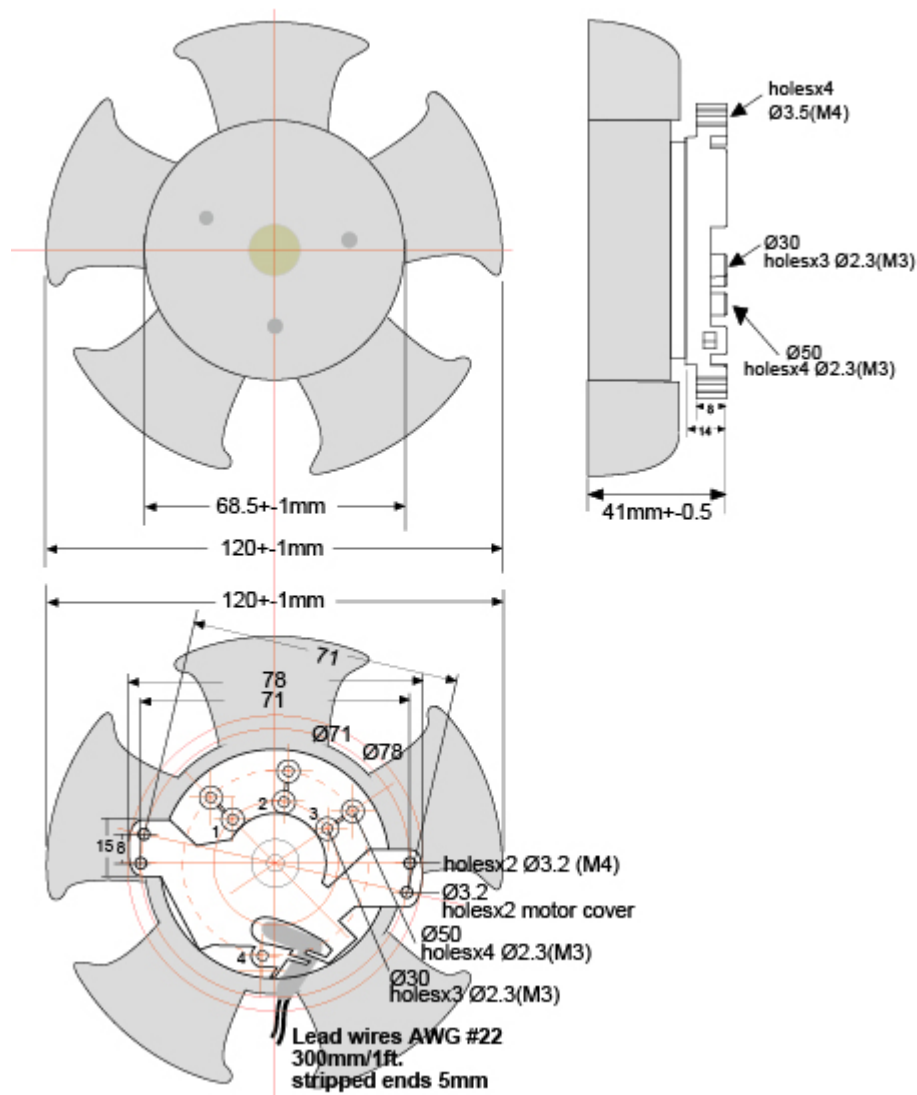
Bearing: Ball

Motor Structure: DC Brushless Motor

Termination: Lead wire 330 mm

Package: 250g / PC

Dimension (units:mm)





□ 120x41 mm



SPECIFICATION

Model	Voltage (V)	Operating Voltage Range(VDC)	Current (A)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (in-H ₂ O)	Noise (dB)
CDS051241LBL	5	4~6	0.4	2	1700	75	0.21	28
CDS051241MBL	5	4~6	0.55	3	2000	90	0.27	32
CDS051241HBL	5	4~6	0.65	3.5	2300	100	0.31	36
CDS051241XBL	5	4~6	1.6	8	2600	113	0.35	40
CDS051241UBL	5	4~6	1.9	9.5	2900	128	0.39	43
CDS121241LBL	12	9~13.8	0.2	2.4	1900	86	0.23	30
CDS121241MBL	12	9~13.8	0.4	4.8	2200	96	0.29	34
CDS121241HBL	12	9~13.8	0.5	6	2500	110	0.33	40
CDS121241XBL	12	9~13.8	0.7	8.4	2800	122	0.37	43
CDS121241UBL	12	9~13.8	0.88	10.6	3100	138	0.4	46
CDS241241LBL	24	26~56	0.15	3.6	1900	86	0.23	30
CDS241241MBL	24	26~56	0.19	4.6	2200	96	0.29	34
CDS241241HBL	24	26~56	0.23	5.5	2600	115	0.35	40
CDS241241XBL	24	26~56	0.35	8.4	2900	128	0.39	43
CDS241241UBL	24	26~56	0.43	10.3	3200	145	0.39	43
CDS481241LBL	48	26~56	0.07	3.4	1900	86	0.23	30
CDS481241MBL	48	26~56	0.08	3.8	2200	96	0.29	34
CDS481241HBL	48	26~56	0.1	5	2600	115	0.35	40
CDS481241XBL	48	26~56	0.16	7.7	2900	128	0.39	43
CDS481241UBL	48	26~56	0.22	10.6	3200	128	0.39	43



□ 163x66 mm



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

Ambient Temperature Range: -15°C ~ +65°C

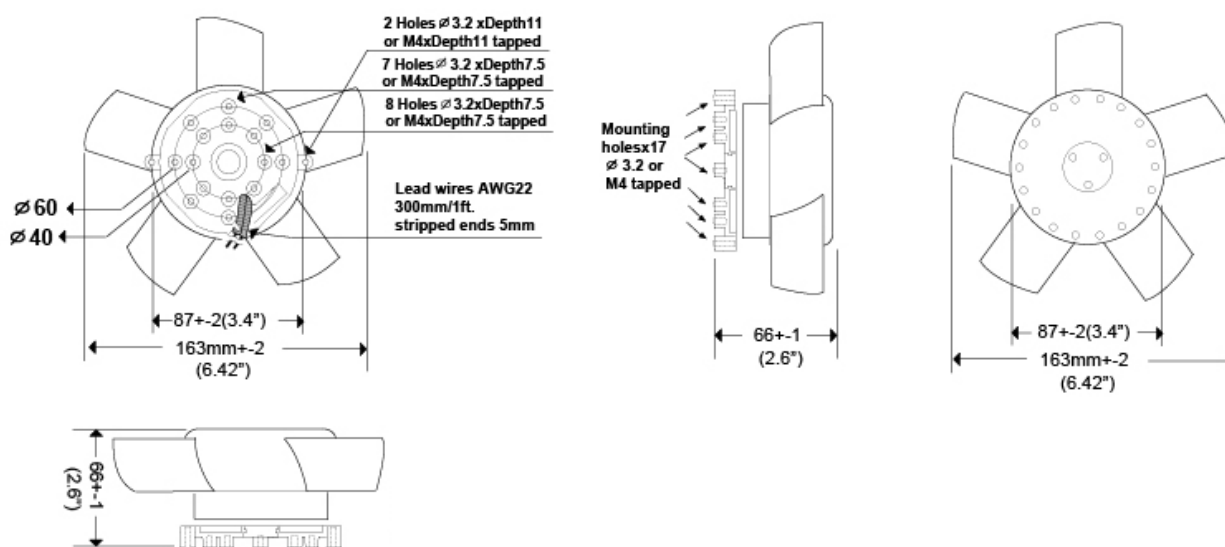
Bearing: Ball

Motor Structure: Programmable microprocessor brushless DC, locked rotor/polarity protected

Termination: Lead wire 300 mm

Package: 870g / PC

Dimension (units:mm)



SPECIFICATION

Model	Voltage (V)	Operating Voltage Range(VDC)	Current (A)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (in-H ₂ O)	Noise (dB)
CDS121666LBL	12	10~14	0.45	5.5	1800	240	0.25	38
CDS121666MBL	12	10~14	1.1	13.2	2550	340	0.51	49
CDS121666HBL	12	9~13.8	1.9	23	3100	405	0.74	60
CDS241666LBL	24	15~28	0.2	5	1800	240	0.25	38
CDS241666MBL	24	12~28	0.52	13	2550	340	0.51	49
CDS241666HBL	24	12~27.6	0.97	24	3100	405	0.74	60
CDS481666LBL	48	30~63	0.12	5.8	1800	240	0.25	38
CDS481666MBL	48	28~60	0.3	14.5	2550	340	0.51	49
CDS481666HBL	48	24~55	0.48	23.5	3100	405	0.74	60



□ 215x68 mm



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

Ambient Temperature Range: -15°C ~ +65°C

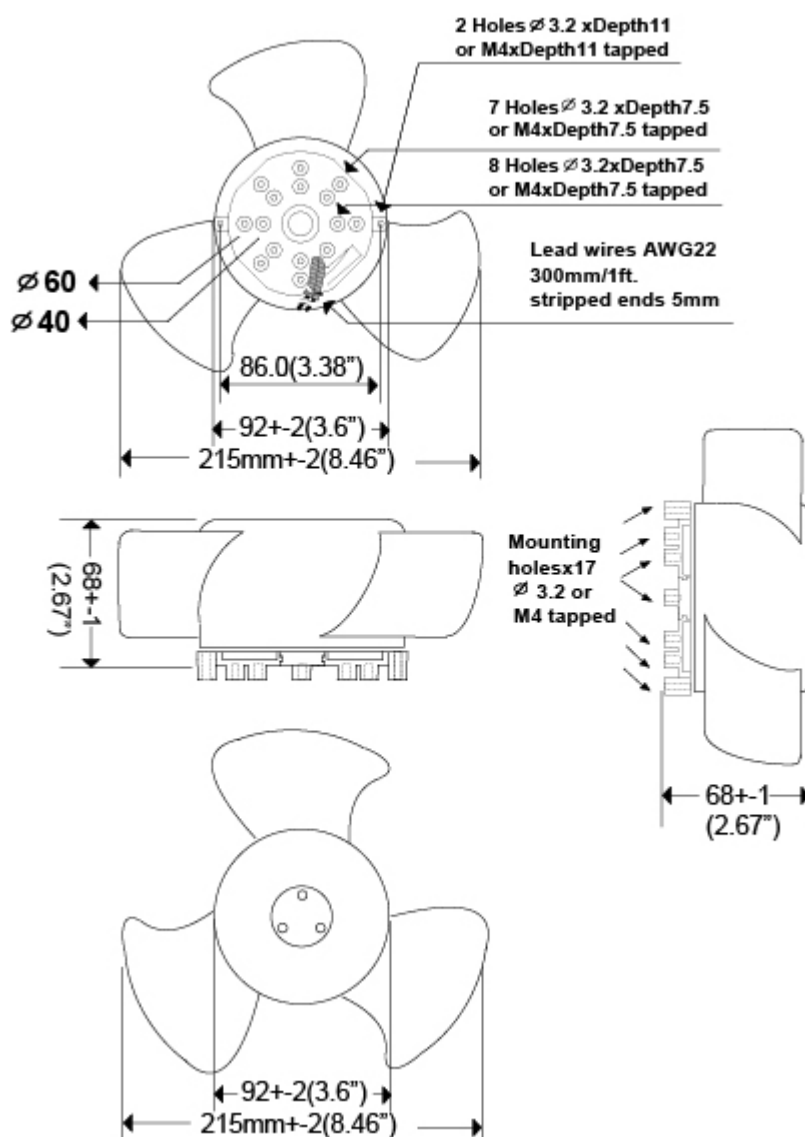
Bearing: Ball

Motor Structure: DC Brushless Motor

Termination: Lead wire 300 mm

Package: 900g / PC

Dimension (units:mm)





□ 215x68 mm



SPECIFICATION

Model	Voltage (V)	Operating Voltage Range(VDC)	Current (A)	Power (W)	Speed (RPM)	Air Flow (CFM)	Pressure (in-H ₂ O)	Noise (dB)
CDS122168LBL	12	10~16	0.45	5.5	1000	340	0.23	26
CDS122168LBL	12	10~16	0.45	5.5	1650	540	0.36	39
CDS122168MBL	12	9~14	1.1	13.2	2000	680	0.57	46
CDS122168HBL	12	9~13	1.9	23	2400	810	0.78	64
CDS242168LBL	24	18~32	0.2	5	1000	340	0.23	26
CDS242168LBL	24	18~30	0.2	5	1650	550	0.37	39
CDS242168MBL	24	16~27.6	0.52	13	2000	690	0.57	46
CDS242168HBL	24	16~27	0.97	24	2500	830	0.78	64
CDS482168LBL	48	28~63	0.12	5.8	1000	340	0.23	26
CDS482168LBL	48	28~58	0.12	5.8	1650	550	0.37	39
CDS482168MBL	48	24~56	0.3	14.5	2000	690	0.57	46
CDS482168HBL	48	24~53	0.48	23.5	2500	830	0.78	64