



Bi-Sonic



EC 8025-03

SIZE:

80mm×80mm×25mm(3.15"×3.15"×0.98")

CONSTRUCTION:

Glass fiber reinforced plastic: Impeller and housing PBT are UL 94V-0 rating

EC(AC to DC) brushless motor

Lead wire available

With rotor lock protection(auto restart)

DIELECTRIC STRENGTH:

WITHSTANDING at 1400V AC 60Hz one minute (between frame and terminal)

INSULATION RESISTANCE

10mega Ohm min.at 500 VDC (between frame and terminal)

OPERATING TEMPERATURE:

Ball bearing: -10℃ to +75℃

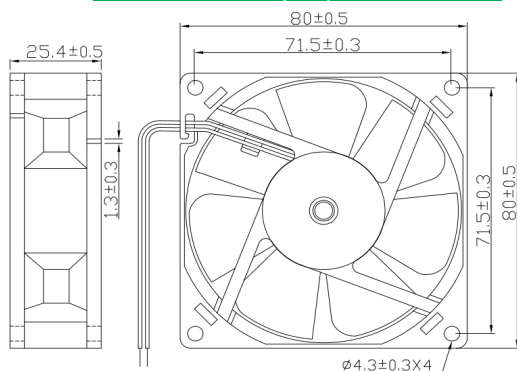
WEIGHT:

75 grams

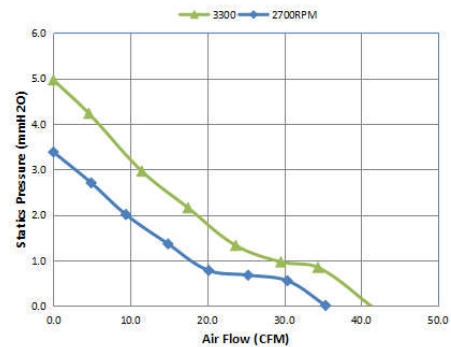
Specifications:

MODEL NO.	BEARING	RATED	FREQUENCY	OPERATING	MAX.	MAX.	SPEED	MAX. AIR FLOW		MAX. AIR PRESSURE		NOISE
		VOLTAGE		VOLTAGE	CURRENT	INPUT						
		VEC	HZ	VAC	A	W	R.P.M.	m3/min	CFM	mmH2O	inH2O	dB-A
EC8025MB-03	Ball	115	60	90~250	0.05	3	2700	1.0	35.4	3.4	0.1	32
		230	50		0.04							
EC8025HB-03	Ball	115	60	90~250	0.06	3	3300	1.2	41.5	5.0	0.2	36.8
		230	50		0.05							

Dimensions (mm)



Performance Curve





Bi-Sonic

EC 9225-03

SIZE:

92mm×92mm×25mm(3.62"×3.62"×0.98")

CONSTRUCTION:

Glass fiber reinforced plastic: Impeller and housing PBT are UL 94V-0 rating

EC(AC to DC) brushless motor

Lead wire available

With rotor lock protection(auto restart)

DIELECTRIC STRENGTH:

5mA max. at 500VAC 60Hz one minute (between frame and terminal)

INSULATION RESISTANCE

10mega Ohm min.at 500 VDC (between frame and terminal)

OPERATING TEMPERATURE:

Ball/Sleeve bearing: -10℃ to +75℃

WEIGHT:

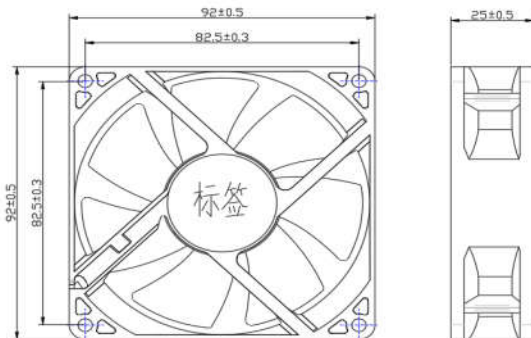
85 grams



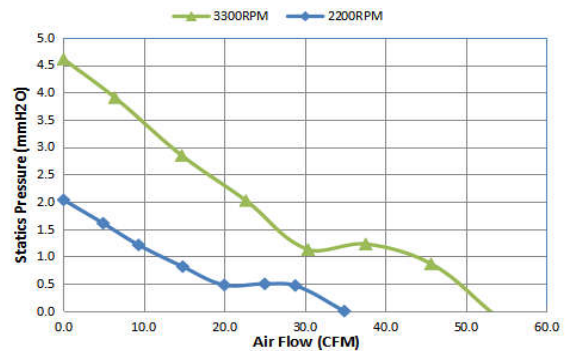
Specifications:

MODEL NO.	BEARING	RATED	FREQUENCY	OPERATING	MAX.	SPEED	MAX. AIR FLOW		MAX. AIR PRESSURE		NOISE
		VOLTAGE									
		VDC	HZ	VAC	W	R.P.M.	m3/min	CFM	mmH2O	inH2O	dB-A
EC9225LB-03	Ball	115	60	90~250	2	2200	1.0	34.9	2.0	0.1	25.2
	Sleeve	230	50								
EC9225HB-03	Ball	115	60	90~250	3	3300	1.5	53.1	4.6	0.2	34
	Sleeve	230	50								

Dimensions (mm)



Performance Curve





Bi-Sonic

EC 12025-03

SIZE:

120mm×120mm×25mm(4.72"×4.72"×0.98")

CONSTRUCTION:

Glass fiber reinforced plastic:

Impeller and housing PBT are UL 94V-0 rating

Lead wire available

EC(AC to DC) brushless motor

With rotor lock protection(auto restart)

DIELECTRIC STRENGTH:

WITHSTANDING at 1500V AC 60Hz one minute

(between frame and terminal)

INSULATION RESISTANCE

10mega Ohm min.at 500 VDC (between frame and terminal)

OPERATING TEMPERATURE:

Ball bearing: -10°C to +75°C

FUNCTION(Optional):

IP55

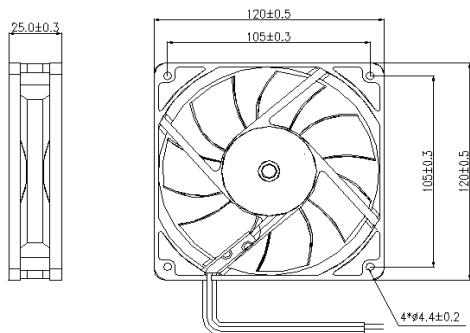
WEIGHT:

110 grams

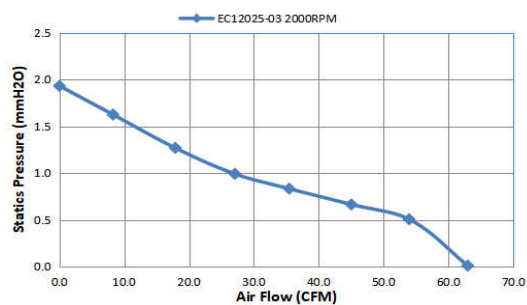
Specifications:

MODEL NO.	BEARING	RATED	FREQUENCY	OPERATING	MAX.	MAX.	SPEED	MAX. AIR FLOW		MAX. AIR PRESSURE		NOISE
		VOLTAGE										
		VEC										
EC12025LB-03	Ball	115	60	90~250	75	3	2000	1.9	66.5	2.2	0.1	33.8
		230	50		70							

Dimensions (mm)



Performance Curve





EC 12038-04



SIZE:

120mm×120mm×38mm(4.72"×4.72"×1.50")

CONSTRUCTION:

Glass fiber reinforced plastic:

Impeller and housing PBT are UL 94V-0 rating

DIELECTRIC STRENGTH:

WITHSTANDING at 1400V AC 60Hz one minute
(between frame and terminal)

INSULATION RESISTANCE

10mega Ohm min.at 500 VDC (between frame and terminal)

OPERATING TEMPERATURE:

Ball bearing: -10℃ to +75℃

FUNCTION(Optional):

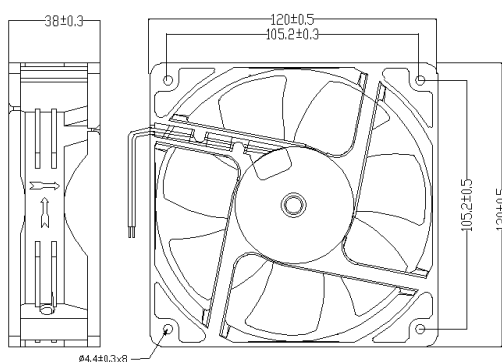
WEIGHT:

250 grams

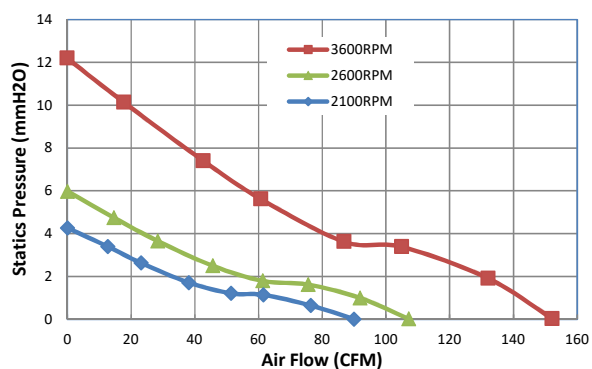
Specifications:

MODEL NO.	BEARING	RATED	FREQUENCY	OPERATING	MAX.	MAX.	SPEED	MAX. AIR FLOW		MAX. AIR PRESSURE		NOISE
		VOLTAGE										
		VDC	Hz	VOLTAGE RANGE	CURRENT	INPUT POWER	R.P.M.	m3/min	CFM	mmH2O	inH2O	dB-A
EC12038LB-04	Ball	110 220	50/60	90~250	60 41	3.2	1900	2.25	79.2	3.5	0.14	29.5
EC12038LB-04	Ball	110 220	50/60	90~250	60 41	4.5	2100	2.55	89.9	4.26	0.17	33.9
EC12038MB-04	Ball	110 220	50/60	90~250	90 60	7	2600	3.04	107.1	6	0.24	39
EC12038HB-04	Ball	110 220	50/60	90~250	120 80	14.8	3600	4.32	152.2	12.2	0.48	48

Dimensions (mm)



Performance Curve





Bi-Sonic



AC 8038

SIZE:

80mm×80mm×38mm(3.15"×3.15"×1.50")

CONSTRUCTION:

- Die-cast aluminum housing
- Glass fiber reinforced plastic:
Impeller PBT are UL 94V-0 rating
- Shaded pole motor
- Impedance protected
- Lead wire available

OPERATING TEMPERATURE:

Ball bearing -20°C to +70°C

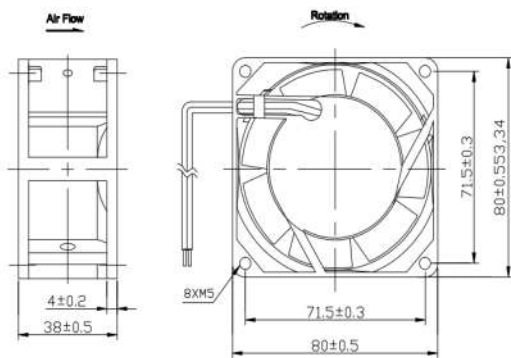
WEIGHT:

302 grams

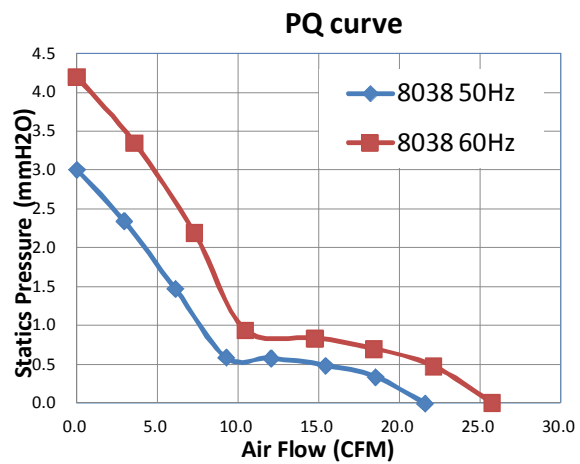
Specifications:

MODEL NO.	BEARING	RATED FREQUENCY		MAX.	MAX.	SPEED	MAX. AIR FLOW			MAX. AIR PRESSURE		NOISE
		VOLTAGE		CURRENT	INPUT POWER							
		VAC	Hz	mA	W	R.P.M.	m3/min	CFM	mmH2O	inH2O	dB-A	
8038-230HB	Ball	230	50	80	15	2500	0.6	21.6	3	0.12	31	35
			60	60	10	3000	0.7	25.7	4.2	0.17	35	

Dimensions (mm)



Performance Curve





Bi-Sonic



AC 9238

SIZE:

92mm×92mm×38mm(3.62"×3.62"×1.50")

CONSTRUCTION:

- Die-cast aluminum housing
- Glass fiber reinforced plastic:
Impeller PBT are UL 94V-0 rating
- Shaded pole motor
- Impedance protected
- Lead wire available

OPERATING TEMPERATURE:

Ball bearing -20°C to +70°C

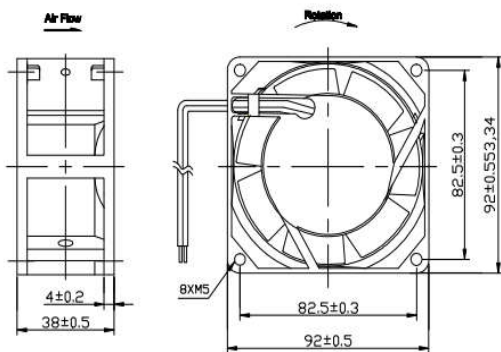
WEIGHT:

332 grams

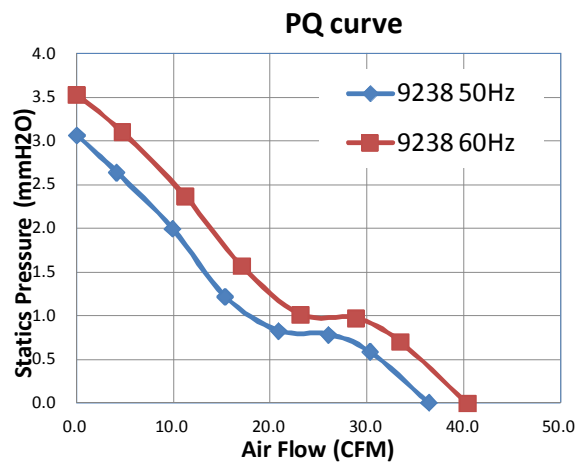
Specifications:

MODEL NO.	BEARING	RATED	FREQUENCY	MAX.	MAX.	SPEED	MAX. AIR FLOW		MAX. AIR		NOISE
		VOLTAGE	CURRENT	POWER	PRESSURE						
					VAC				Hz	mA	
9238-230MB	Ball	230	50	80	15	2300	1.0	36.4	3.1	0.12	31
			60	60	10	2500	1.1	40.3	3.5	0.14	34

Dimensions (mm)



Performance Curve





Bi-Sonic



AC 25489 Round Frame

SIZE:

254mm×254mm×89mm(10.00"×10.00"×3.50")

CONSTRUCTION:

- Die-cast aluminum housing
- Glass fiber reinforced plastic:
Impeller PBT are UL 94V-0 rating
- Capacitor-start motor
- Thermal protected
- Lead wire available

OPERATING TEMPERATURE:

Ball bearing -30°C to +60°C

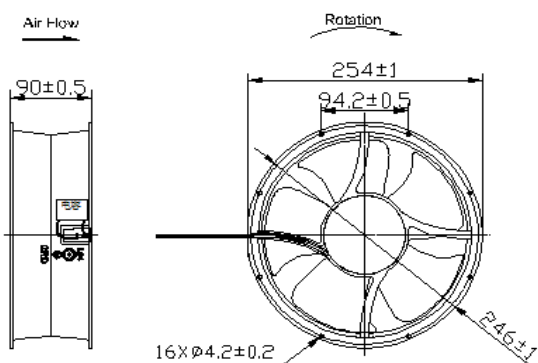
WEIGHT:

2150 grams

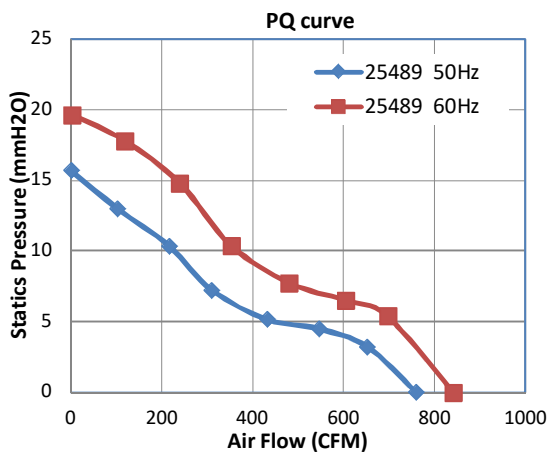
Specifications:

MODEL NO.	BEARING	RATED VOLTAGE	FREQUENCY	MAX. CURRENT	MAX.INPUT POWER	SPEED	MAX. AIR FLOW		MAX. AIR PRESSURE		NOISE
		VAC	Hz	mA	W	R.P.M.	m3/min	CFM	mmH2O	inH2O	
25489-230HB	Ball	230	50	270	55	2600	21.6	760	15.7	0.62	68
			60	320	75	2900	23.8	840	19.6	0.77	70

Dimensions (mm)



Performance Curve





Bi-Sonic



DC 4028-02

SIZE:

40mm×40mm×28mm(1.57"×1.57"×1.1")

CONSTRUCTION:

Glass fiber reinforced plastic: Impeller and housing PBT are UL 94V-0 rating

DIELECTRIC STRENGTH:

5mA max. at 500VAC 60Hz one minute (between frame and terminal)

INSULATION RESISTANCE

10mega Ohm min.at 500 VDC (between frame and terminal)

OPERATING TEMPERATURE:

Ball bearing: -10℃ to +75℃

FUNCTION(Optional):

Polarity Protection/Auto Restart/ FG or RD/PWM/IP68

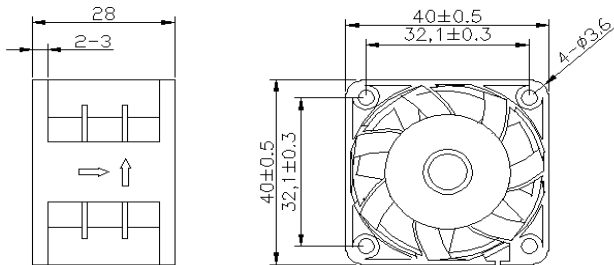
WEIGHT:

40 grams

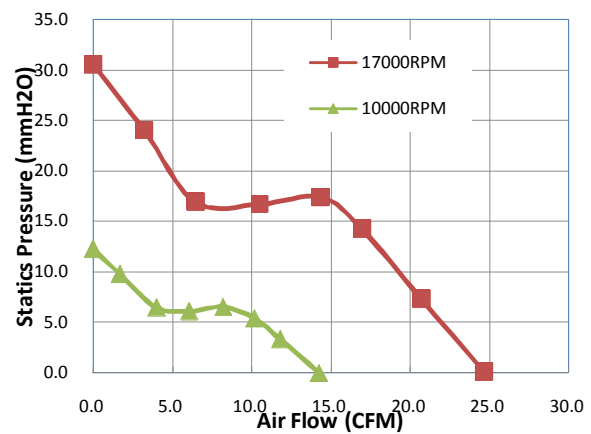
Specifications:

MODEL NO.	BEARING	RATED	OPERATING	MAX.	MAX.	SPEED	MAX. AIR FLOW		MAX. AIR		NOISE
		VOLTAGE	VOLTAGE RANGE	CURRENT	INPUT POWER				PRESSURE		
		VDC	V	A	W		R.P.M.	m3/min	CFM	mmH2O	
BP402824M-02	Ball	24	12~27.6	0.2	4.8	10000	0.40	14.2	12.3	0.484	45.75
BP402824H-02	Ball	24	12~27.6	0.46	11.04	17000	0.70	24.6	30.5	1.201	57.3

Dimensions (mm)



Performance Curve





Bi-Sonic



DC 5020

SIZE:

50mm×50mm×20mm(1.97"×1.97"×0.78")

CONSTRUCTION:

Glass fiber reinforced plastic: Impeller and housing PBT are UL 94V-0 rating

DIELECTRIC STRENGTH:

5mA max. at 500VAC 60Hz one minute (between frame and terminal)

INSULATION RESISTANCE

10mega Ohm min.at 500 VDC (between frame and terminal)

OPERATING TEMPERATURE:

Ball bearing: -10℃ to +75℃

FUNCTION(Optional):

Polarity Protection/Auto Restart/ FG or RD/PWM/IP68

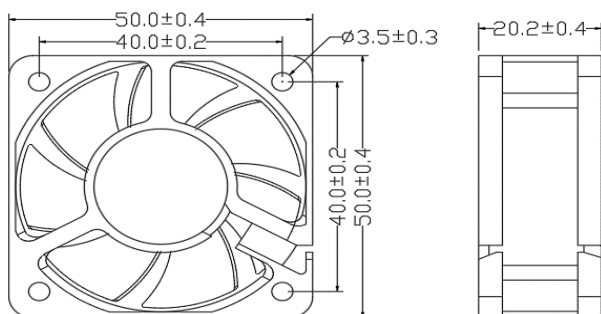
WEIGHT:

30 grams

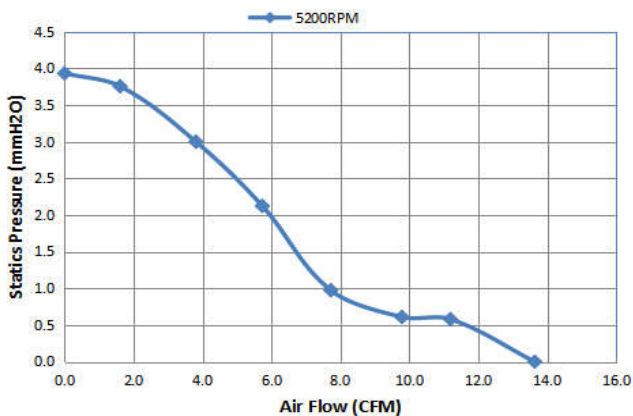
Specifications:

MODEL NO.	BEARING	RATED	OPERATING	MAX.	MAX.	SPEED	MAX. AIR FLOW		MAX. AIR		NOISE
		VOLTAGE	VOLTAGE	CURRENT	INPUT				PRESSURE		
		VDC	RANGE	A	W	R.P.M.	CFM		mmH2O	inH2O	dB-A
BP502024L	Ball	24	12~27.6	0.07	1.68	5200	0.4	13.6	3.9	0.2	31.9
SP502024L	Sleeve										

Dimensions (mm)



Performance Curve





Bi-Sonic

DC 12025 03

SIZE:

120mm×120mm×25mm(4.72"×4.72"×0.98")

CONSTRUCTION:

Glass fiber reinforced plastic: Impeller and housing PBT are UL 94V-0 rating

DIELECTRIC STRENGTH:

5mA max. at 500VAC 60Hz one minute (between frame and terminal)

INSULATION RESISTANCE

10mega Ohm min.at 500 VDC (between frame and terminal)

OPERATING TEMPERATURE:

Ball bearing: -10℃ to +75℃

FUNCTION(Optional):

Polarity Protection/Auto Restart/ FG or RD/PWM/IP58

WEIGHT:

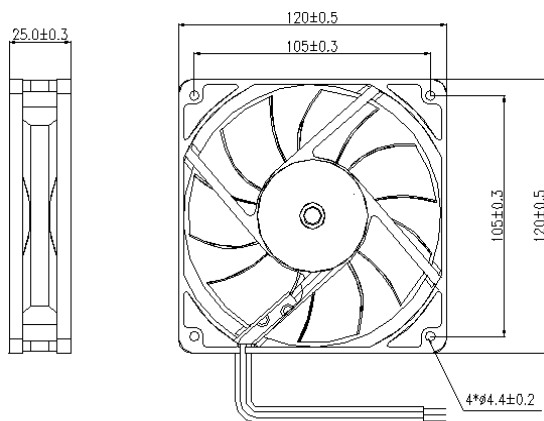
135 grams



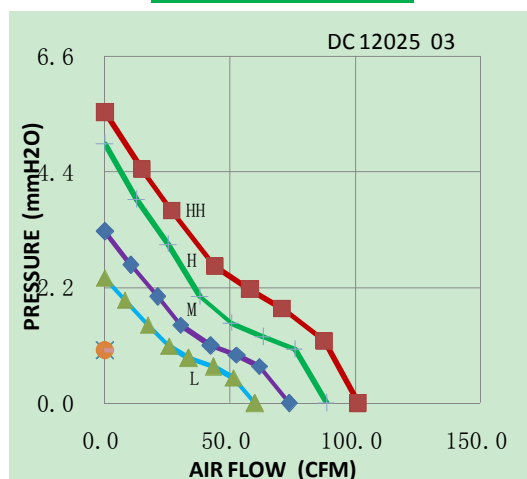
Specifications:

MODEL NO.	BEARING	RATED	OPERATING	MAX.	MAX.	SPEED	MAX. AIR FLOW		MAX. AIR		NOISE
		VOLTAGE	VOLTAGE	CURRENT	INPUT		m3/min	CFM	mmH2O	inH2O	
		VDC	V	A	W	R.P.M.					dB-A
BP1202512L 03	Ball	12	7~13.8	0.14	1.68	1800	1.66	58.6	2.1	0.08	30.8
SP1202512L 03	SLEEVE										
BP1202512M 03	Ball	12	7~13.8	0.25	3	2250	2.08	73.51	3.26	0.13	34.8
SP1202512M 03	SLEEVE										
BP1202512H 03	Ball	12	7~13.8	0.38	4.56	2700	2.51	88.49	4.92	0.19	40.4
SP1202512H 03	SLEEVE										
BP1202512HH 03	Ball	12	7~13.8	0.53	6.36	3100	2.86	101.1	6.2	0.24	44.6
BP1202524L 03	Ball	24	12~27.6	0.1	2.4	1800	1.66	58.6	2.1	0.08	30.8
SP1202524L 03	SLEEVE										
BP1202524M 03	Ball	24	12~27.6	0.18	4.32	2250	2.08	73.51	3.26	0.13	34.8
SP1202524M 03	SLEEVE										
BP1202524H 03	Ball	24	12~27.6	0.24	5.76	2700	2.51	88.49	4.92	0.19	40.4
SP1202524H 03	SLEEVE										
BP1202524HH 03	Ball	24	12~27.6	0.3	7.2	3100	2.86	101.1	6.2	0.24	44.6

Dimensions (mm)



Performance Curve





Bi-Sonic



DC 12038-03 NEW

SIZE:

120mm×120mm×38mm(4.72"×4.72"×1.50")

CONSTRUCTION:

- Die-cast aluminum housing
- Glass fiber reinforced plastic:
Impeller are UL 94V-0 rating

OPERATING TEMPERATURE:

Ball bearing: -30°C to +75°C

Sleeve bearing: -10°C to +75°C

INSULATION RESISTANCE

10mega 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 option

frequency generator or rotation detection signal option

relay control option

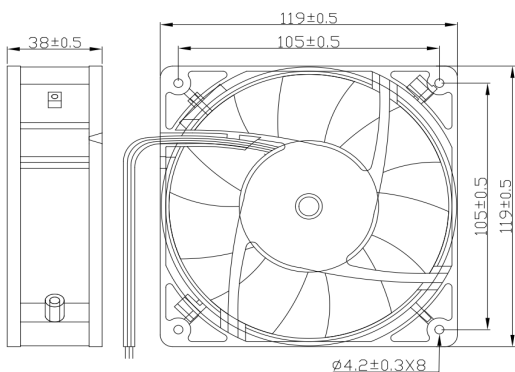
WEIGHT:

380 grams

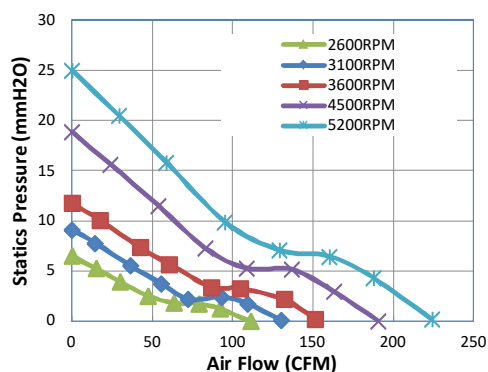
Specifications:

MODEL NO.	BEARING	RATED	OPERATING	MAX.	MAX.	SPEED	MAX. AIR		MAX. AIR		NOISE
		VOLTAGE	VOLTAGE	CURRENT	INPUT		FLOW		PRESSURE		
		VDC	V	A	W		R.P.M.	m3/min	CFM	mmH2O	
BP1203812M-03	Ball	12	10.2~13.8	1.00	12.00	2600	3.14	111.0	6.50	0.26	39
SP1203812M-03	SLEEVE	12	10.2~13.8	1.10	13.20	3100	3.69	130.4	9.15	0.36	44
BP1203812H-03	Ball	12	10.2~13.8	1.80	21.60	3600	4.29	151.5	11.80	0.46	48
SP1203812H-03	SLEEVE	12	10.2~13.8	1.40	16.80	4200	5.01	177.0	16.00	0.63	52.3
BP1203812HU-03	Ball	12	10.2~13.8	1.40	16.80	4200	5.01	177.0	16.00	0.63	52.3
SP1203812HU-03	SLEEVE	12	10.2~13.8	1.40	16.80	4200	5.01	177.0	16.00	0.63	52.3
BP1203824M-03	Ball	24	20.4~27.6	0.60	14.40	2600	3.14	111.0	6.50	0.26	39
SP1203824M-03	SLEEVE	24	20.4~27.6	0.60	14.40	2600	3.14	111.0	6.50	0.26	39
BP1203824H-03	Ball	24	20.4~27.6	0.80	19.20	3100	3.69	130.4	9.15	0.36	44
SP1203824H-03	SLEEVE	24	20.4~27.6	0.80	19.20	3100	3.69	130.4	9.15	0.36	44
BP1203824HH-03	Ball	24	20.4~27.6	1.10	26.40	3600	4.29	151.5	11.80	0.46	48
SP1203824HH-03	SLEEVE	24	20.4~27.6	1.10	26.40	3600	4.29	151.5	11.80	0.46	48
BP1203848M-03	Ball	48	40.8~55.2	0.18	8.64	2600	3.14	111.0	6.50	0.26	39
SP1203848M-03	SLEEVE	48	40.8~55.2	0.18	8.64	2600	3.14	111.0	6.50	0.26	39
BP1203848H-03	Ball	48	40.8~55.2	0.40	19.20	3100	3.69	130.4	9.15	0.36	44
SP1203848H-03	SLEEVE	48	40.8~55.2	0.40	19.20	3100	3.69	130.4	9.15	0.36	44
BP1203848HH-03	Ball	48	40.8~55.2	0.50	24.00	3600	4.29	151.5	11.80	0.46	48
SP1203848HH-03	SLEEVE	48	40.8~55.2	0.50	24.00	3600	4.29	151.5	11.80	0.46	48
BP1203848HU-03	Ball	48	40.8~55.2	0.60	28.80	4500	5.39	190.4	18.89	0.74	54
SP1203848HU-03	SLEEVE	48	40.8~55.2	0.60	28.80	4500	5.39	190.4	18.89	0.74	54
BP1203848HV-03	Ball	48	40.8~55.2	0.80	38.40	5200	6.34	223.9	25.05	0.99	60.2
SP1203848HV-03	SLEEVE	48	40.8~55.2	0.80	38.40	5200	6.34	223.9	25.05	0.99	60.2

Dimensions (mm)



Performance Curve





Bi-Sonic



DC 5015 new

SIZE:

50mm×50mm×15mm(1.97"×1.97"×0.59")

CONSTRUCTION:

Glass fiber reinforced plastic: Impeller and housing PBT are UL 94V-0 rating

DIELECTRIC STRENGTH:

5mA max. at 500VAC 60Hz one minute (between frame and terminal)

INSULATION RESISTANCE

10mega Ohm min.at 500 VDC (between frame and terminal)

OPERATING TEMPERATURE:

Ball bearing: -10℃ to +75℃

FUNCTION(Optional):

Polarity Protection/Auto Restart/ FG or RD/PWM/IP68

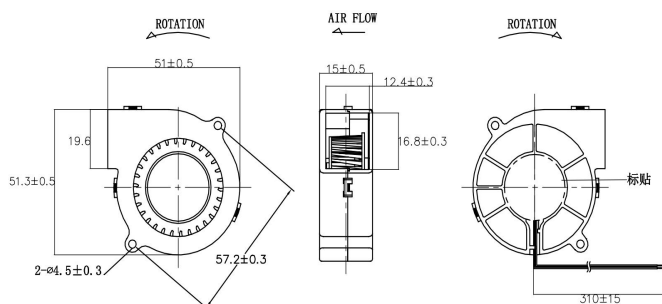
WEIGHT:

30 grams

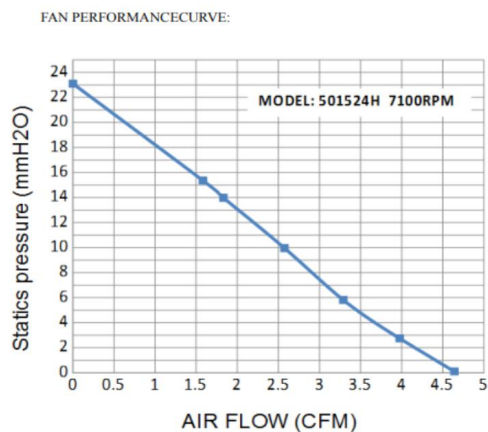
Specifications:

MODEL NO.	BEARING	RATED	OPERATING	MAX.	MAX.	SPEED	MAX. AIR FLOW		MAX. AIR		NOISE
		VOLTAGE	VOLTAGE	CURRENT	INPUT		m3/min	CFM	mmH2O	inH2O	
		VDC	RANGE	mA	W	R.P.M.					dB-A
BP501524H	Ball	24	12~27.6	170	4.1	7100	0.13	4.64	23.10	0.909	42.3

Dimensions (mm)



Performance Curve





Bi-Sonic



DC 6015 new

SIZE:

60mm×60mm×15mm(2.36"×2.36"×0.59")

CONSTRUCTION:

Glass fiber reinforced plastic: Impeller and housing PBT are UL 94V-0 rating

DIELECTRIC STRENGTH:

5mA max. at 500VAC 60Hz one minute (between frame and terminal)

INSULATION RESISTANCE

10mega Ohm min.at 500 VDC (between frame and terminal)

OPERATING TEMPERATURE:

Ball bearing: -10℃ to +75℃

FUNCTION(Optional):

Polarity Protection/Auto Restart/ FG or RD/PWM/IP68

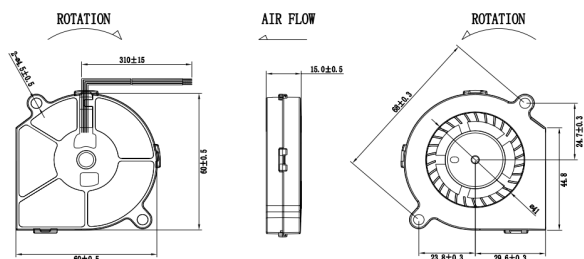
WEIGHT:

34 grams

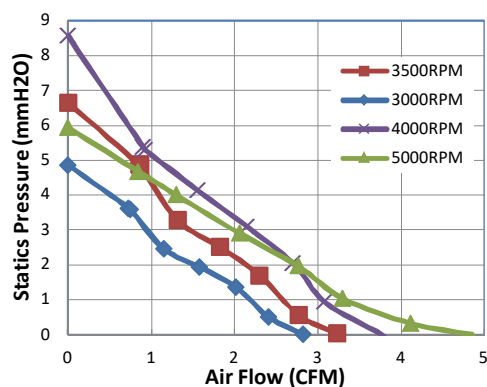
Specifications:

MODEL NO.	BEARING	RATED VOLTAGE	OPERATING VOLTAGE RANGE	MAX. CURRENT	MAX. INPUT POWER	SPEED R.P.M.	MAX. AIR FLOW		MAX. AIR PRESSURE		NOISE dB-A
		VDC	V	A	W		m3/min	CFM	mmH2O	inH2O	
BP601505H	Ball	5	3~5.75	0.30	1.49	3500	0.091	3.2	6.6	0.26	28.4
BP601512H	Ball	12	7~13.8	0.10	1.20	3000	0.080	2.8	4.9	0.19	28.4
BP601512M	Ball	12	7~13.8	0.18	2.12	4000	0.107	3.8	8.6	0.34	32.9
BP601512H	Ball	12	7~13.8	0.32	3.82	5000	0.138	4.9	5.9	0.23	39.6

Dimensions (mm)



Performance Curve





DC 8030 new

SIZE:

75mm×75mm×30mm(2.95"×2.95"×1.18")

CONSTRUCTION:

Glass fiber reinforced plastic: Impeller and housing PBT are UL 94V-0 rating

DIELECTRIC STRENGTH:

5mA max. at 500VAC 60Hz one minute (between frame and terminal)

INSULATION RESISTANCE

10mega Ohm min.at 500 VDC (between frame and terminal)

OPERATING TEMPERATURE:

Ball bearing: -10℃ to +75℃

FUNCTION(Optional):

Polarity Protection/Auto Restart/ FG or RD/PWM/IP68

WEIGHT:

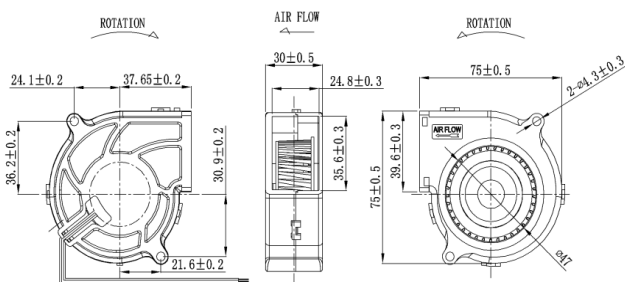
85 grams

Specifications:

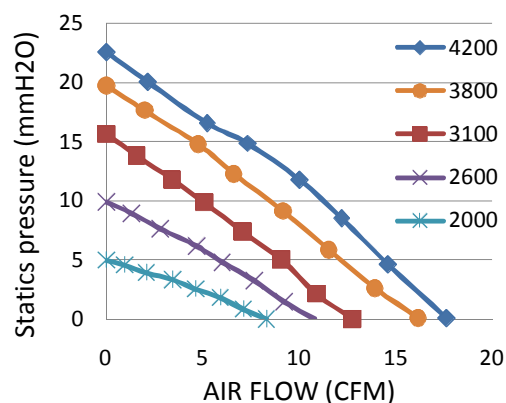
MODEL NO.	BEARING	RATED	OPERATING	MAX.	MAX.	SPEED	MAX. AIR FLOW		MAX. AIR PRESSURE		NOISE
		VOLTAGE	VOLTAGE RANGE	CURRENT	INPUT POWER		m3/min	CFM	mmH2O	inH2O	
		VDC	V	A	W	R.P.M.					dB-A
BP803012M	Ball	12	7~13.8	0.10	1.20	2000	0.235	8.3	5.0	0.20	28.5
BP803012H	Ball	12	7~13.8	0.20	2.40	2600	0.305	10.8	9.9	0.39	35.2
BP803012HM	Ball	12	7~13.8	0.30	3.60	3400	0.425	15.0	17.4	0.69	41.9
BP803012HH	Ball	12	7~13.8	0.48	5.76	3800	0.456	16.1	19.7	0.78	44.5
BP803012HU	Ball	12	7~13.8	0.53	6.36	4200	0.498	17.6	22.5	0.89	47.2
BP803024H	Ball	24	10~27.6	0.12	2.88	2600	0.312	11.0	11.2	0.44	35.2
BP803024HL	Ball	24	10~27.6	0.20	4.80	3100	0.363	12.8	15.6	0.61	38.7
BP803024HM	Ball	24	10~27.6	0.17	4.08	3400	0.425	15.0	17.4	0.69	41.9
BP803024HH	Ball	24	10~27.6	0.20	4.80	3800	0.456	16.1	19.7	0.78	44.5

UL

Dimensions (mm)



Performance Curve





Bi-Sonic

DC 12032

SIZE:

120mm×120mm×32mm(4.72"×4.72"×1.26")

CONSTRUCTION:

Glass fiber reinforced plastic: Impeller and housing PBT are UL 94V-0 rating

DIELECTRIC STRENGTH:

5mA max. at 500VAC 60Hz one minute (between frame and terminal)

INSULATION RESISTANCE

10mega Ohm min.at 500 VDC (between frame and terminal)

OPERATING TEMPERATURE:

Ball bearing: -10℃ to +75℃

FUNCTION(Optional):

Polarity Protection/Auto Restart/ FG/PWM/IP68

WEIGHT:

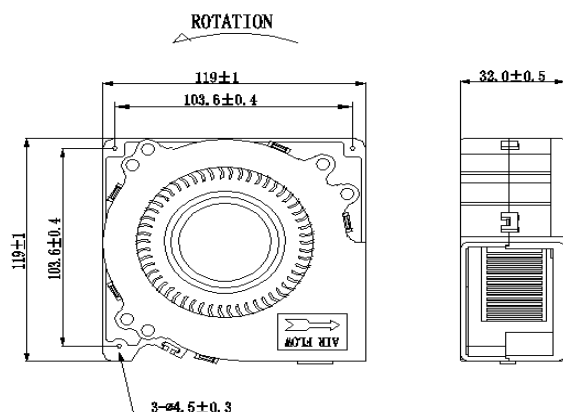
240 grams



Specifications:

MODEL NO.	BEARING	RATED	OPERATING	MAX.	MAX.	SPEED	MAX. AIR FLOW		MAX. AIR PRESSURE		NOISE
		VOLTAGE	VOLTAGE RANGE	CURRENT	INPUT POWER		m3/min	CFM	mmH2O	inH2O	
		VDC	V	A	W	R.P.M.					dB-A
BP1203212H	Ball	12	7~13.8	1.00	12.00	2650	0.68	24.0	22.1	0.870	46.7

Dimensions (mm)



Performance Curve

