



创 变 智 造 新 未 来

风扇产品型录



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环保 节能 爱地球

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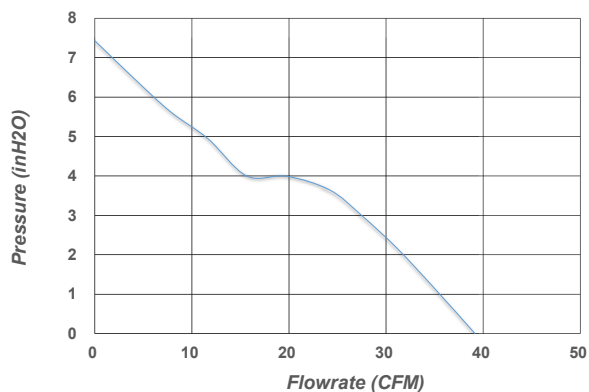
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E SERIES PFB40X40X28 MM

★ Airflow - Static Pressure Characteristics



♦ Material:

Frame - Plastic, Impeller - Plastic

♦ Sound pressure level:

At 1 m away from the air inlet

♦ Storage temperature: -40°C ~ 80°C

♦ Lead wire: UL10368 AWG # 26 or equivalent

Red Wire Positive (+)

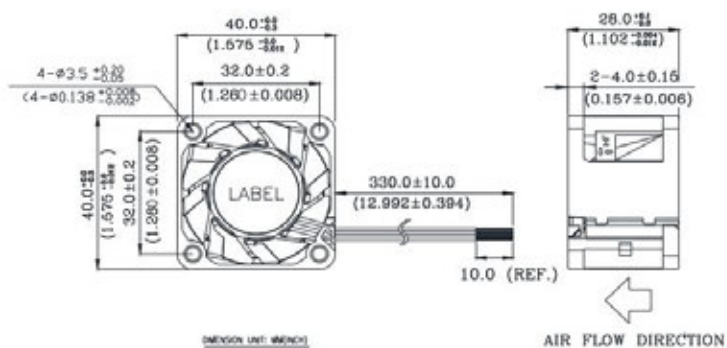
Black Wire Negative (-)

Yellow Wire Frequency Generator Signal (F00)

Blue Wire Control Signal (PWM)

♦ Mass: 51g

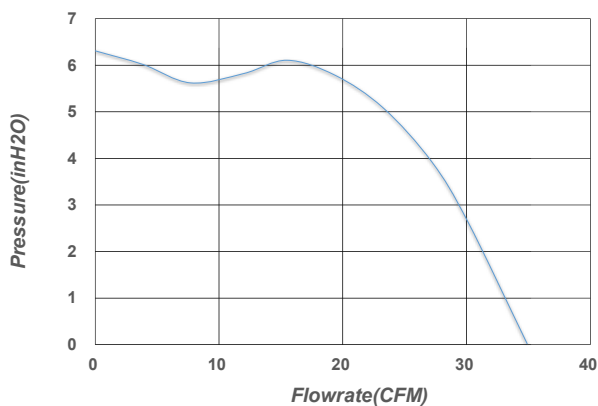
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
40 x 40 x 28	PFB0412EN-E	12	10.8 ~ 13.2	32500	38.00	7.43	31.20	70.5	---	F00/PWM	-10°C ~ 80°C	5% ~ 90% RH	70000 hrs/40°C

E SERIES GFB40X40X56 MM

★ Airflow - Static Pressure Characteristics



20

◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10368 AWG # 28 or equivalent

Grey Wire Negative (-) REAR

Black Wire Negative (-) FRONT

Red Wire Positive (+) FRONT

Orange Wire Positive (+) REAR

Blue Wire Control Signal (PWM) FRONT

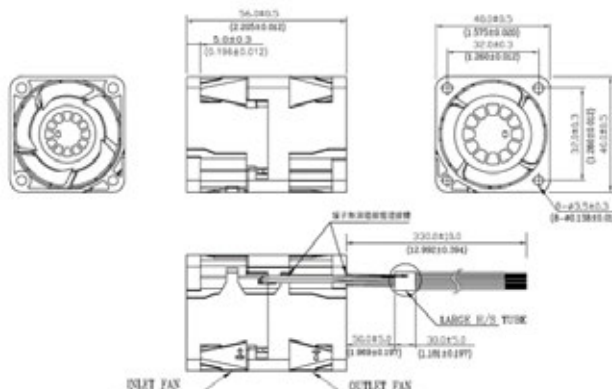
Green Wire Control Signal (PWM) REAR

Yellow Wire Frequency Generator Signal (F00) FRONT

White Wire Frequency Generator Signal (F00) REAR

◆ Mass: 110g

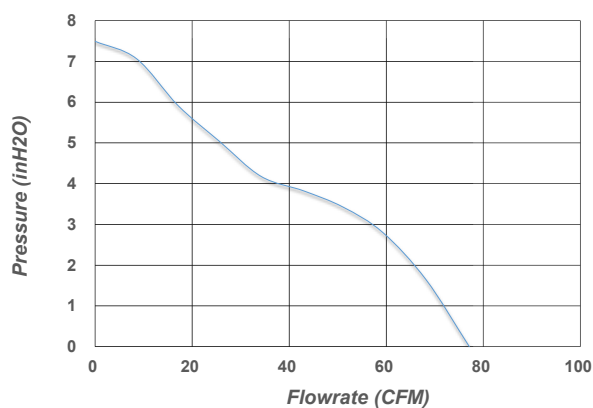
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
40 x 40 x 56	GFB0412ES-E	12	10.8 ~ 13.2	FRONT 29500 REAR 26500	33.90	6.44	39.00	73.0	---	F00/PWM	-10°C ~ 70°C	5% ~ 85% RH	70000 hrs/40°C

E SERIES PFB 60X60X38 MM

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL 1430 AWG #24 & #26 or equivalent

Black Wire #24 Negative (-)

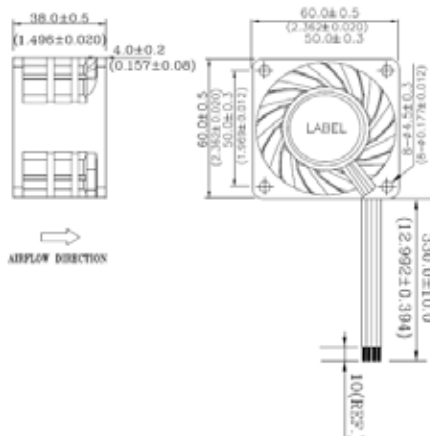
Red Wire #24 Positive (+)

Blue Wire #26 Control Signal (PWM)

Yellow Wire #26 Frequency Generator Signal (F00)

◆ Mass: 135g

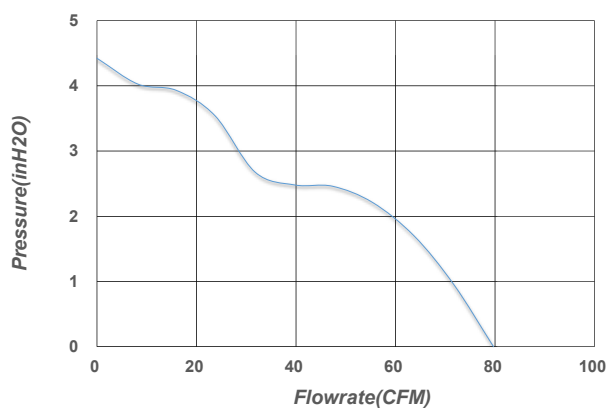
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
60 x 60 x 38	PFB0612EE-E	12	10.8 ~ 13.2	25500	77.31	7.31	42.00	68.6	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C

BIONIC BLADE SERIES THD60X60X38 MM

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 85°C

◆ Lead wire: UL1007 AWG # 26 or equivalent

Red Wire Positive (+)

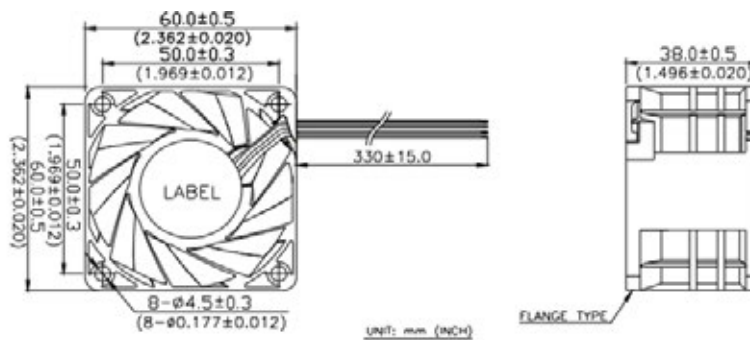
Black Wire Negative (-)

Yellow Wire Frequency Generator Signal (F00)

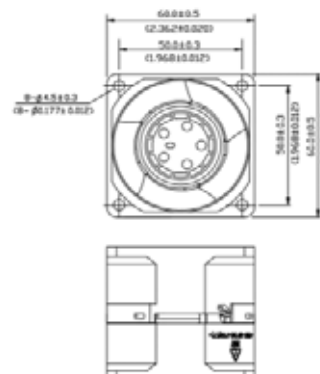
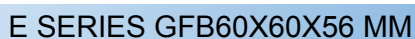
Blue Wire Control Signal (PWM)

◆ Mass: 130g

★ Dimensions (unit: mm)



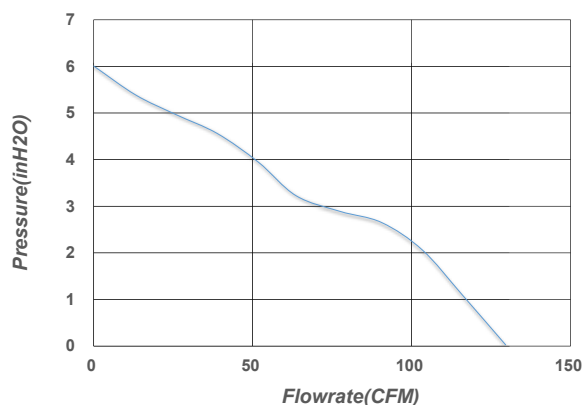
Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
60 x 60 x 38	THD0612VE-00	12	10.2 ~ 13.2	19500	80.54	4.43	34.80	66.0	---	F00/PWM	-40°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
60 x 60 x 56	GFB0612ES-E	12	10.8 ~ 13.2	FRONT 22300 REAR 24500	76.51	9.73	49.80	82.0	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C



E SERIES PFB80X80X38 MM



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10368 AWG # 20 & # 26 or equivalent

Black Wire # 20 Negative (-)

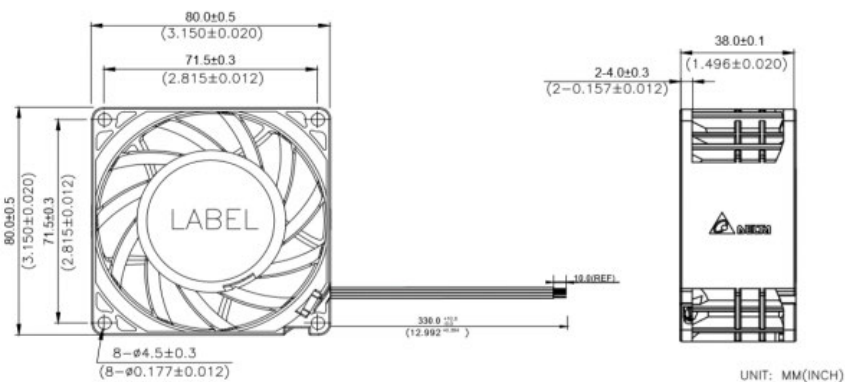
Blue Wire # 26 Control Signal (PWM)

Yellow Wire # 26 Frequency Generator Signal (F00)

Red Wire # 20 Positive (+)

◆ Mass: 250 g

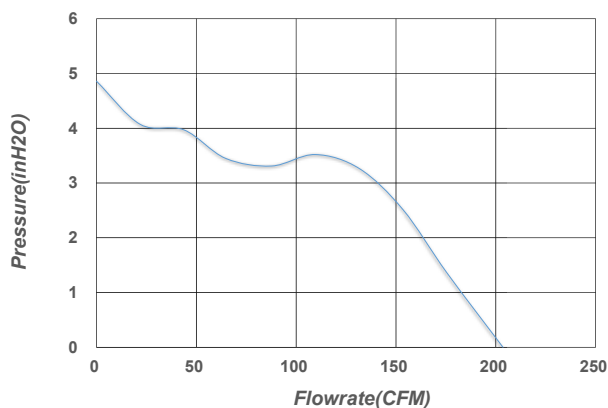
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
80 x 80 x 38	PFB0812EE-E	12	10.8 ~ 13.2	16800	129.56	6.01	48.00	73.0	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C

BIONIC BLADE SERIES PFD80X80X38 MM

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1430 AWG # 22 or equivalent

Red Wire Positive (+)

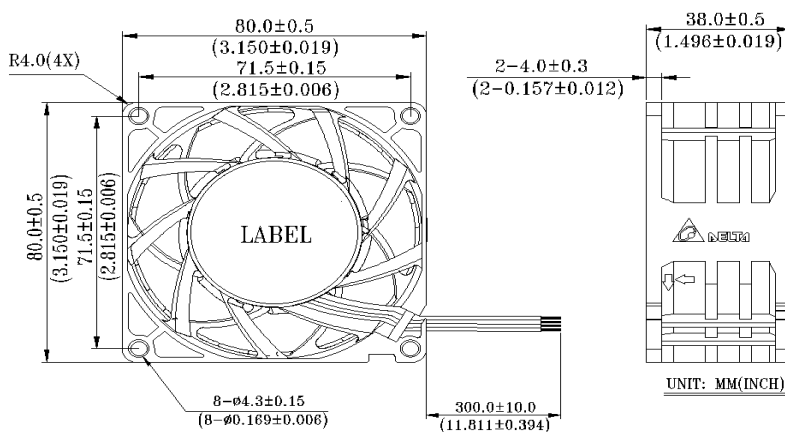
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 195g

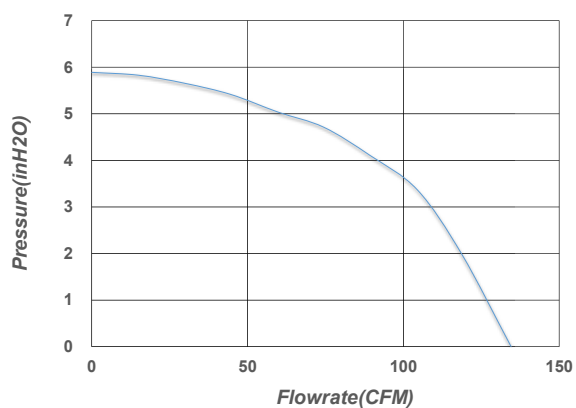
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
80x80x38	PFD0848HE	48	36.0 ~ 75.0	18000	203.58	4.86	111.84	77.0	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C

E SERIES GFB80X80X56 MM

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1061 AWG # 22 & # 26 or equivalent

Red Wire # 22 Positive (+)FRONT

Orange Wire # 22 Positive (+)REAR

Blue Wire # 26 Control Signal (PWM)FRONT

Green Wire # 26 Control Signal (PWM)REAR

Black Wire # 22 Negative (-)FRONT

Gray Wire # 22 Negative (-)REAR

Yellow Wire # 26 (F00)FRONT

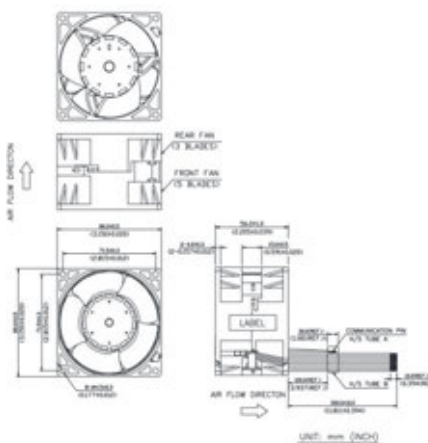
White Wire # 26 (F00)REAR

Purple Wire # 26 CommunicateFRONT

Brown Wire # 26 Communicate REAR

◆ Mass: 330g

★ Dimensions

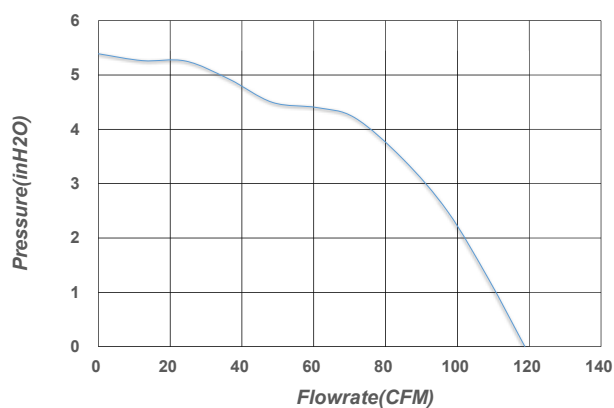


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
80 x 80 x 56	GFB0812ES-E	12	10.8 ~ 13.2	FRONT 16300 REAR 15500	136.03	5.89	54.00	79.0	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C



BIONIC BLADE SERIES TGM80X80X56 MM

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10368 AWG # 24 & # 28 or equivalent

Brown Wire # 24 Negative (-) REAR

White Wire # 24 Frequency Generator Signal (F00) REAR

Orange Wire # 24 Positive (+) REAR

Red Wire # 24 Positive (+) FRONT

Yellow Wire # 28 Frequency Generator Signal (F00) FRONT

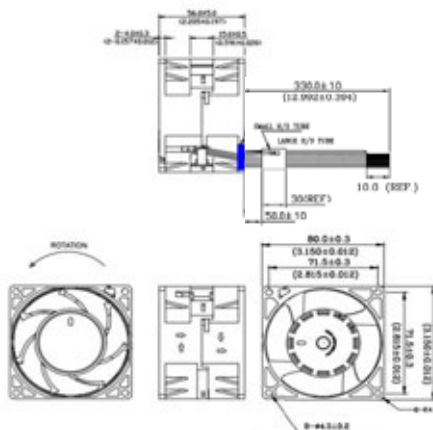
Green Wire # 28 Control Signal (PWM) REAR

Blue Wire # 28 Control Signal (PWM) FRONT

Black Wire # 24 Negative (-) FRONT

◆ Mass: 286g

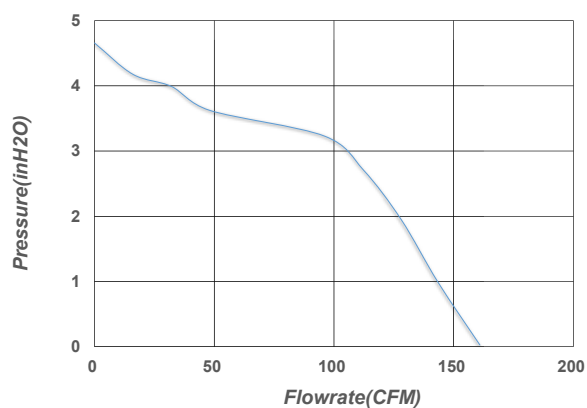
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
80x80x56	TGM0812SS-00	12	10.8 - 13.2	FRONT 12500 REAR 13800	118.81	5.388	54.00	79.0	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C

E SERIES GFB92X92X56 MM

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10368 AWG # 24 & # 26 or equivalent

Black Wire # 24 Negative (-)FRONT

Red Wire # 24 Positive (+)FRONT

Yellow Wire # 26 Frequency Generator Signal (F00)FRONT

Blue Wire # 26 Control Signal (PWM)FRONT

Gray Wire # 24 Negative (-)REAR

Orange Wire # 24 Positive (+)REAR

Green Wire # 26 Frequency Generator Signal (F00)REAR

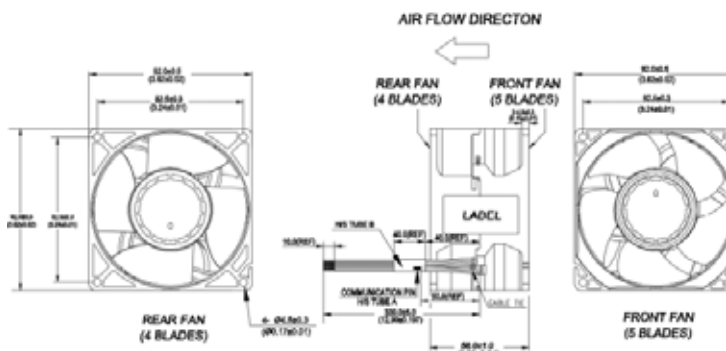
White Wire # 26 Control Signal (PWM)REAR

Brown Wire # 26 Communication FRONT

Brown With White Wire # 26 Communication REAR

◆ Mass: 410g

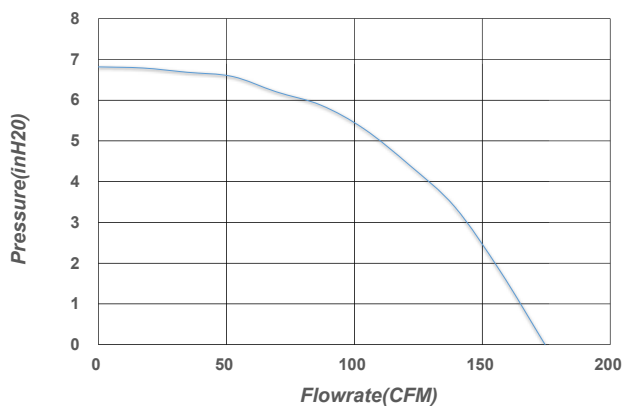
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
92 x 92 x 56	GFB0912ES-E	12	10.8 ~ 13.2	FRONT 11200 REAR 11400	165.44	4.67	47.40	78.5	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C

BIONIC BLADE SERIES TGM80X80X80 MM

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1430 AWG # 22 AWG # 28 or equivalent

Red Wire # 22 Positive (+)FRONT

Black Wire # 22 Negative (-)FRONT

Orange Wire # 22 Positive (+)REAR

Gray Wire # 22 Negative (-)REAR

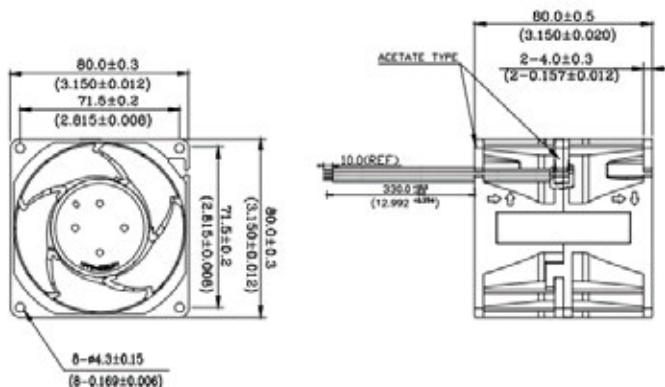
Blue Wire # 28 Frequency Generator Signal (F00)FRONT

White Wire # 28 Frequency Generator Signal (F00)REAR

Yellow Wire # 28 Control Signal (PWM)FRONT & REAR

◆ Mass: 195 g

★ Dimensions (unit: mm)

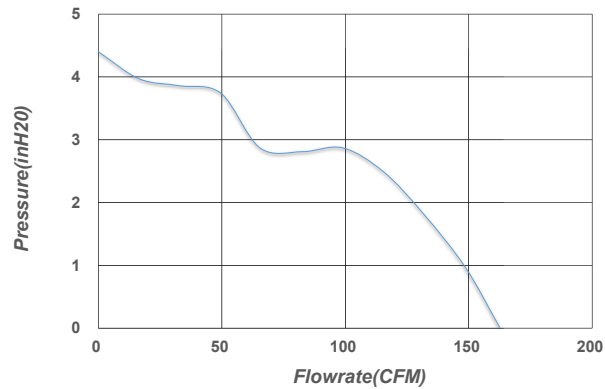


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
80X80X80	TGM0812SW-00	12	10.8 - 13.2	FRONT 17500 REAR 17500	171.00	6.69	99.00	77.5	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C



BIONIC BLADE SERIES THD92X92X38 MM

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 80°C

◆ Lead wire: UL10368 AWG # 22 or equivalent

Red Wire Positive (+)

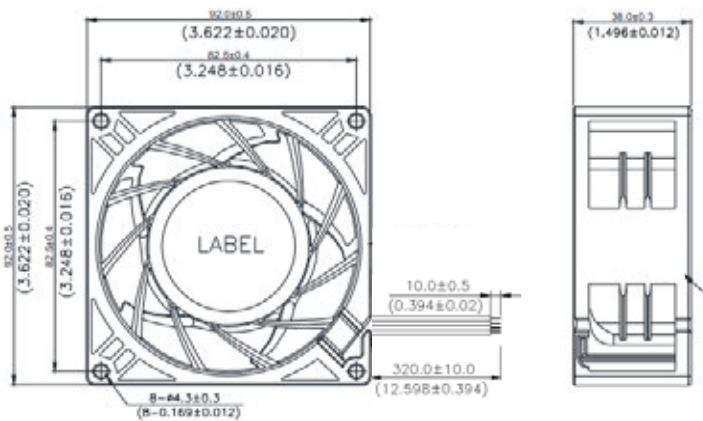
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 300g

★ Dimensions (unit: mm)

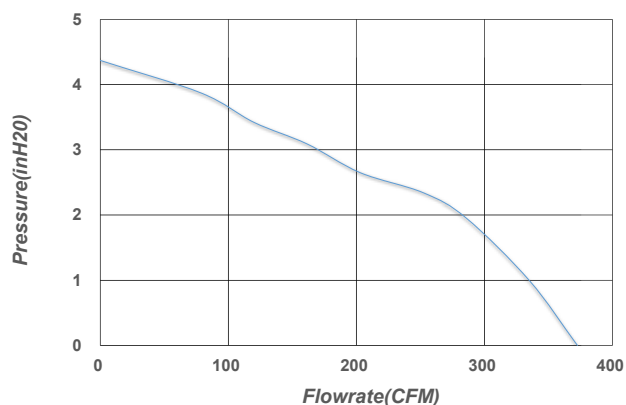


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
92x92x38	THD0948VE	48	36.0 ~ 60.0	14500	162.57	4.40	62.40	69.0	---	F00/PWM	-10°C ~ 80°C	5% ~ 90% RH	70000 hrs/40°C



BIONIC BLADE SERIES THD120X120X38 MM

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Aluminum, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

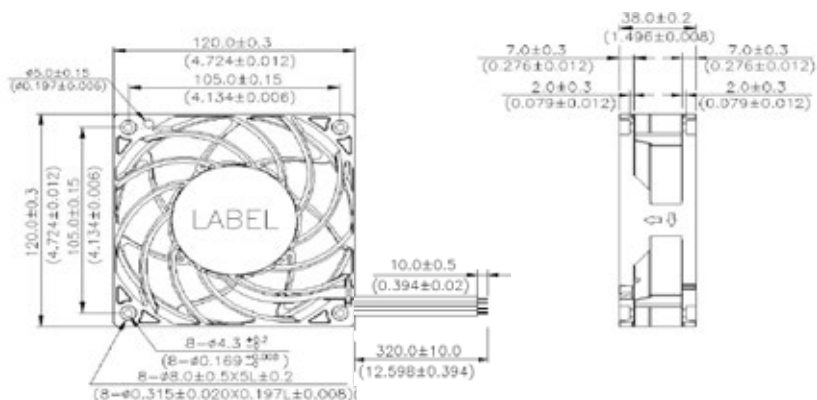
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 500g

★ Dimensions (unit: mm)

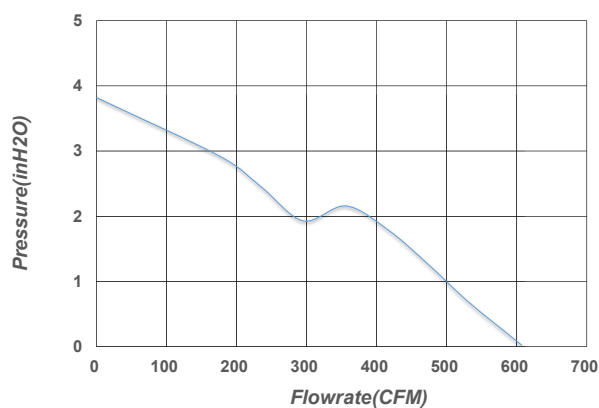


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
120X120X38	THD1248BE	48	36.0 ~ 75.0	11500	372.66	4.37	159.84	78.0	---	F00/PWM	-25°C ~ 75°C	5% ~ 90% RH	70000 hrs/40°C



PRECISION COOLING SERIES THB172X172X51 MM

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Aluminum, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1430 AWG # 22 or equivalent

Red Wire Positive (+)

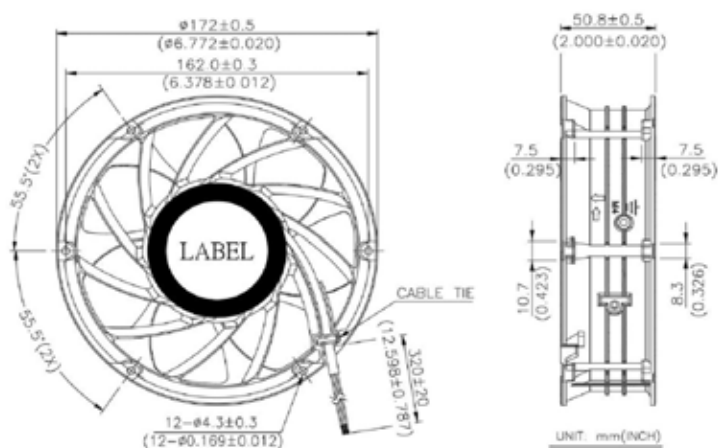
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 850g

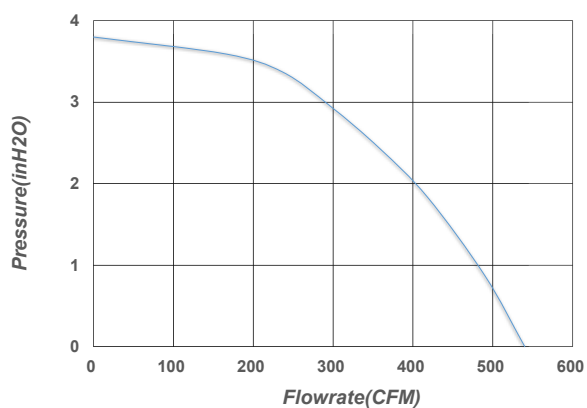
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
172X172X51	THB1748BGP0	48	36.0 ~ 60.0	8000	607.07	3.82	163.20	77.5	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C

PRECISION COOLING SERIES TCA176.5X176.5X69 MM

★ Airflow - Static Pressure Characteristics



♦ Material:

Frame - Aluminum, Impeller - Plastic

♦ Sound pressure level:

At 1 m away from the air inlet

♦ Storage temperature: -40°C ~ 75°C

♦ Lead wire: UL2517 AWG # 20 or equivalent

Red Wire Positive (+)

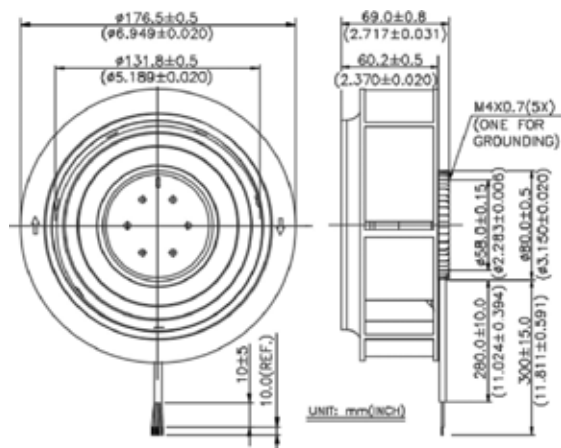
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

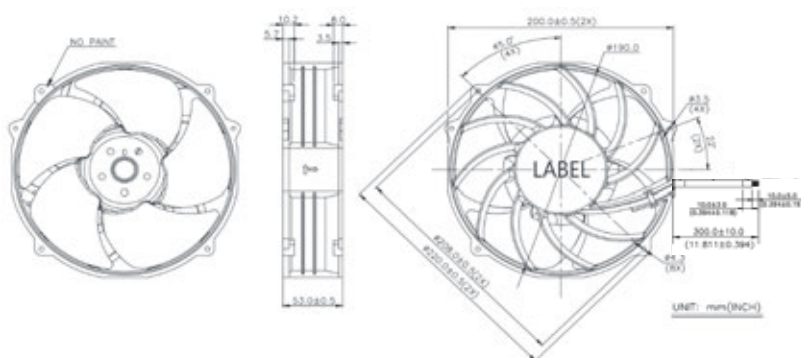
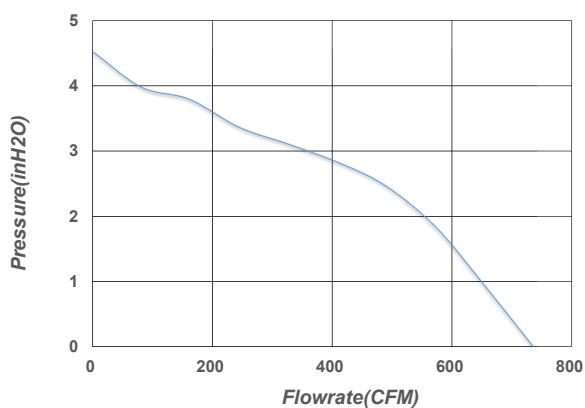
Yellow Wire Control Signal (PWM)

♦ Mass: 820g

★ Dimensions (unit: mm)



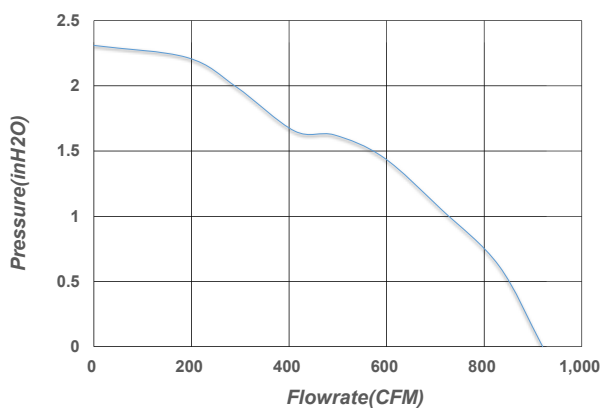
Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
176.5X176.5X69	TCA1748BT-00P8	48	36.0 ~ 60.0	5400	540.00	3.79	134.40	78.0	---	F00/PWM	-25°C ~ 75°C	5% ~ 90% RH	70000 hrs/40°C



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
200X200X53	THB2048HG-03	48	36.0 ~ 60.0	6800	735.81	4.53	144.00	77.6	---	F00/PWM	-10℃ ~ 60℃	5% ~ 90% RH	70000 hrs/40℃

PRECISION COOLING SERIES THD230X230X100 MM

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Aluminum, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL2517 AWG # 20 or equivalent

Red Wire Positive (+)

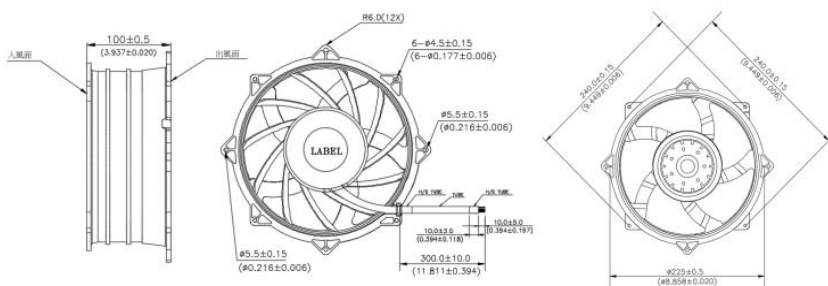
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 1600g

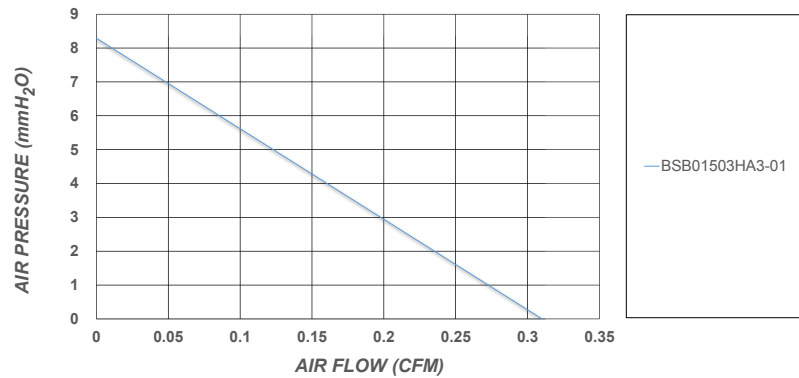
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (inH2O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
225X225X100	THD2348MU-00	48	36.0 ~ 60.0	5000	915.00	2.29	180.00	70.0	---	F00/PWM	-25°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C

Miniature Blower Fan 15x15x3.5 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.3 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

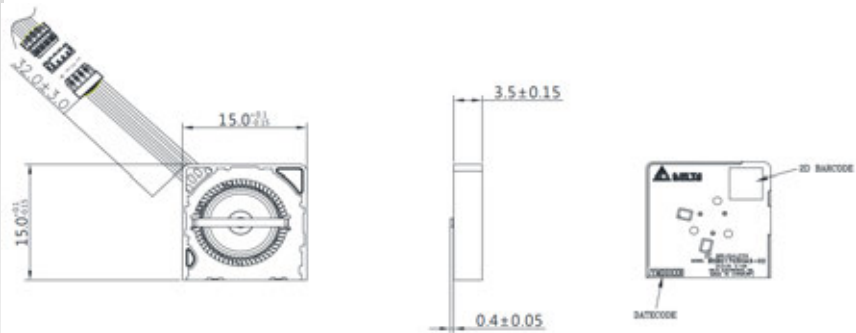
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 1.0g

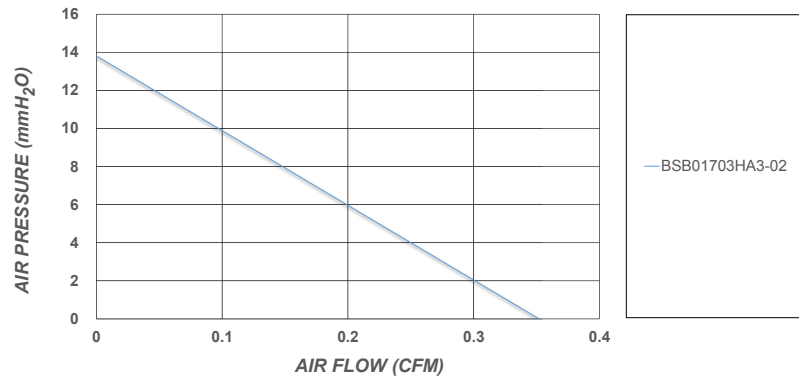
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
15x15x3.5	BSB01503HA3-01	3	2~3.5	20000	0.31	8.29	0.24	33 @0.3m	IP55	F00/PWM	-10°C ~ 60°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 17x17x3.5 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.3 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

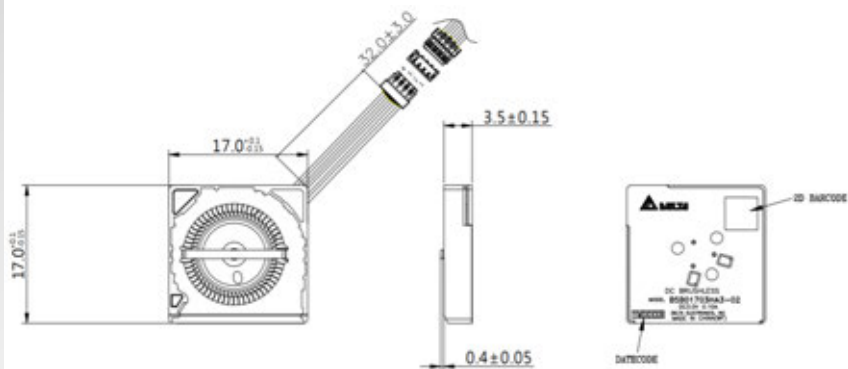
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 1g

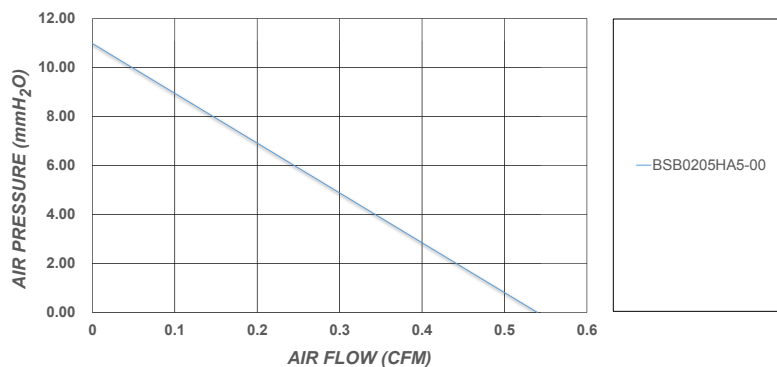
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
17x17x3.5	BSB01703HA3-02	3	2.0~3.5	16000	0.352	13.81	0.24	32 @0.3m	IP55	F00/PWM	-10°C ~ 60°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 20x20x5.0 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.3 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

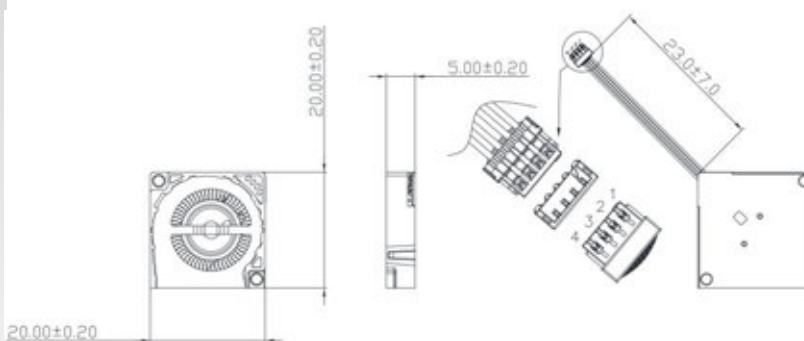
Black Wire Negative (-)

Yellow Wire Frequency Generator Signal (F00)

Blue Wire Control Signal (PWM)

◆ Mass: 1.5g

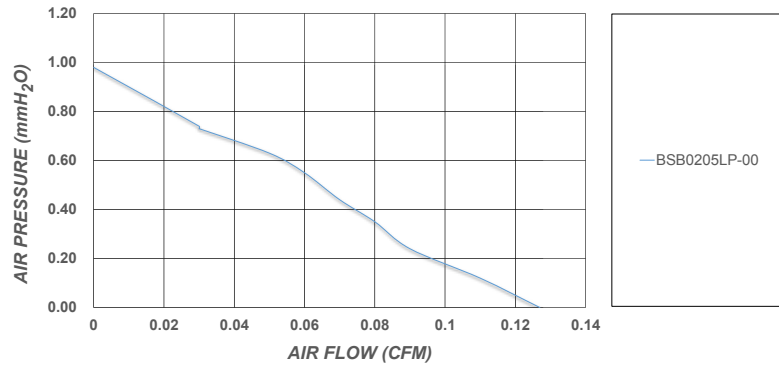
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
20x20x5.0	BSB0205HA5-00	5	4.5~5.5	10500	0.54	10.98	0.5	32.7 @0.3m	IP55	F00/PWM	-10°C ~ +60°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 20x20x6.3 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.05 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10368 AWG # 32 or equivalent

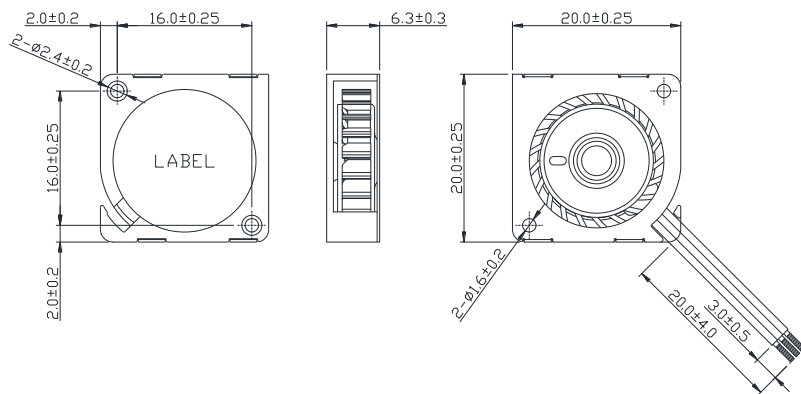
Red Wire Positive (+)

Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

◆ Mass: 3.0g

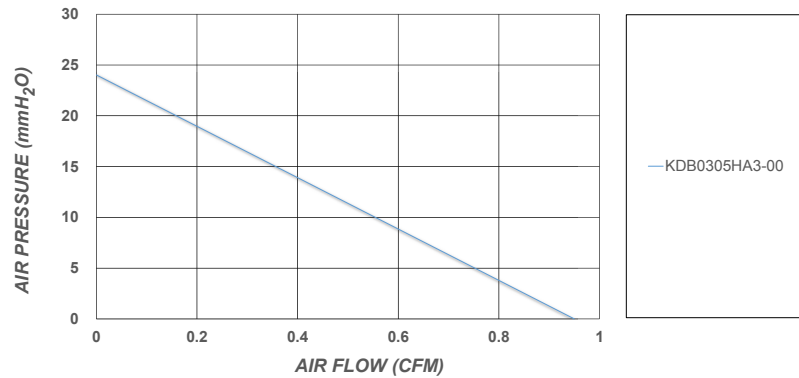
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
20x20x6.3	BSB0205LP-00	5	3.5~5.5	7000	0.127	0.98	0.50 (MAX 0.60)	32 @0.05m	IP52	F00	-10°C ~ +60°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 30x30x3.4 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.3 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

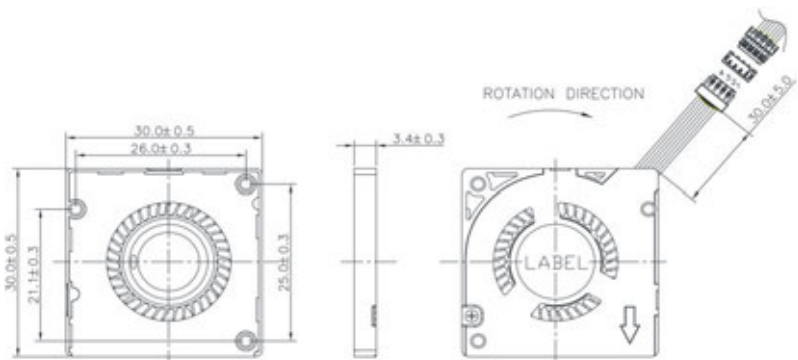
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 5.2g

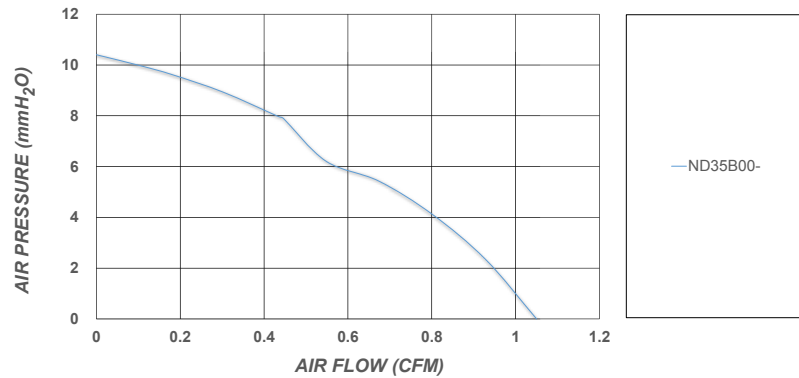
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
30x30x3.4	KDB0305HA3-00	5	4.5~5.5	12500	0.95	24.02	1.75	42 @0.3m	IP52	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 30 x 30 x 4.75 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.3 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

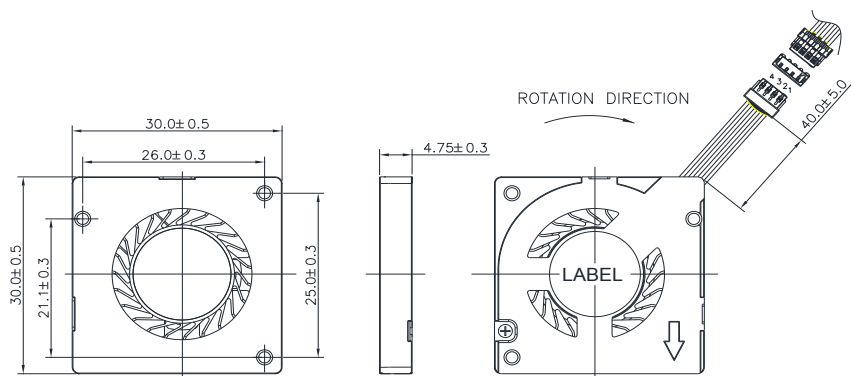
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 4.1g

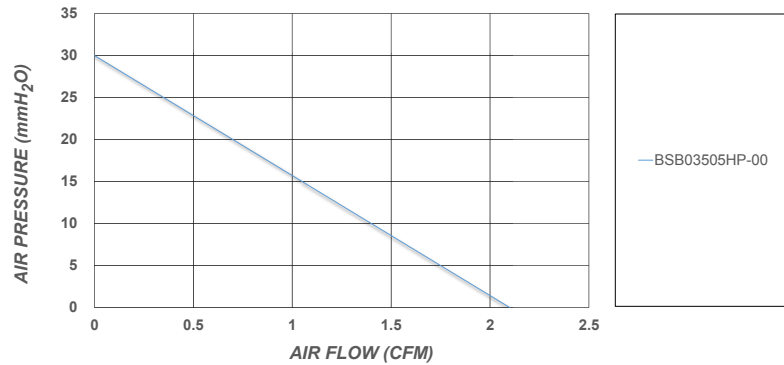
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
30x30x4.75	ND35B00-	5	4.5~5.5	10500	1.050	10.4	0.50	40 @0.3m	IP52	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 35x35x5.5 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

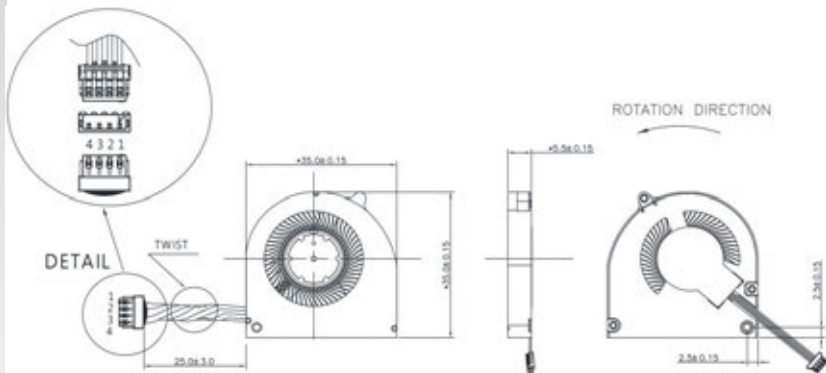
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 6.0g

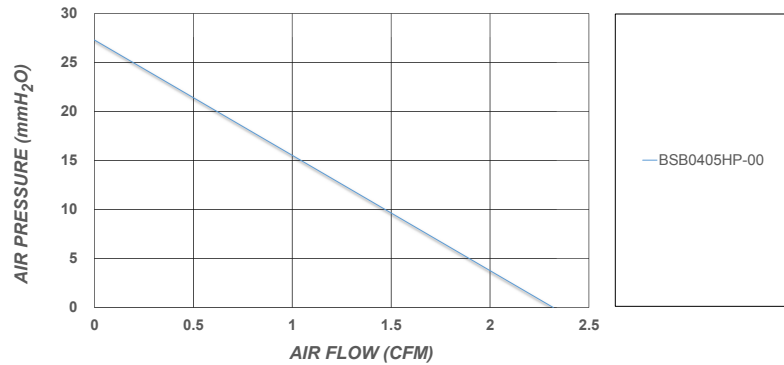
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
35x35x5.5	BSB03505HP-00	5	4.5~5.5	11000	2.10	30.0	1.0	54.0 @0.1m	IP52	F00/PWM	-10°C ~ 60°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 40x35x5.5 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic, Pillow - AL

◆ Sound pressure level:

At 0.3 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

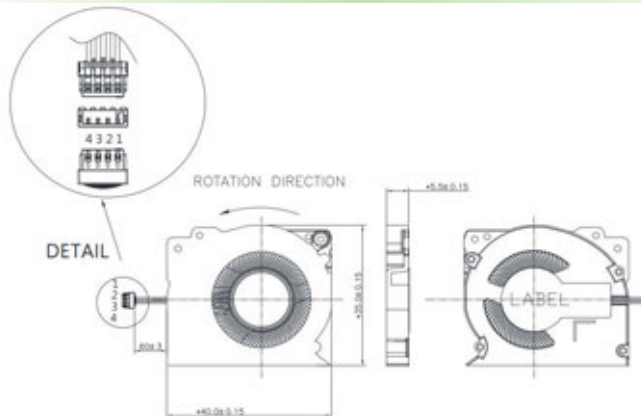
Black Wire Negative (-)

Blue Wire Control Signal (PWM)

Yellow Wire Frequency Generator Signal (F00)

◆ Mass: 4.5g

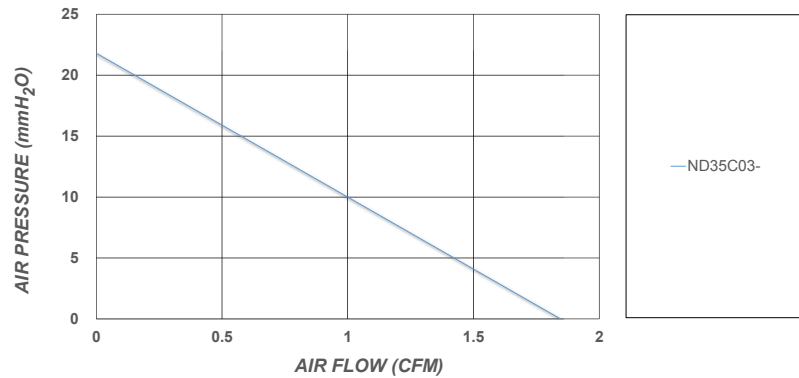
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
40x35x5.5	BSB0405HP-00	5	4.5~5.5	11000	2.32	27.3	1.5	43.7 @0.3m	IP52	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 35x35x4.0 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.3 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

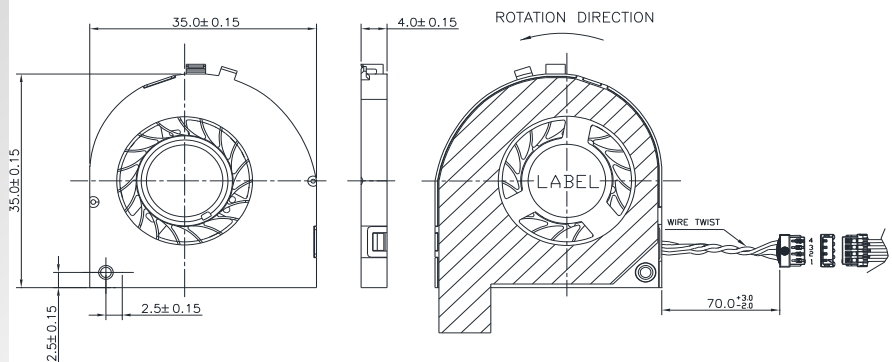
Black Wire Negative (-)

White Wire Control Signal (PWM)

Grey Wire Frequency Generator Signal (F00)

◆ Mass: 5.0g

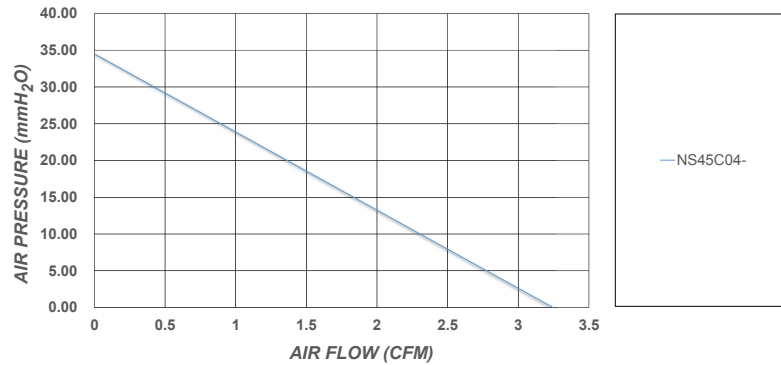
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
35x35x4.0	ND35C03-	5	4.5~5.5	14500	1.846	21.80	1.00	59 @0.3m	IP52	F00/PWM	-10°C ~ 60°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 35x35x6.5 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

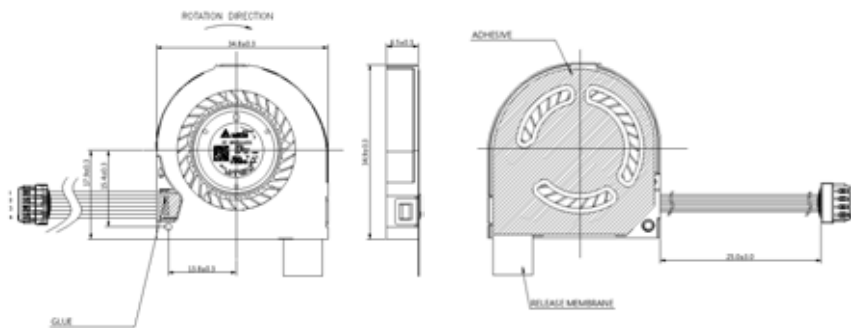
Black Wire Negative (-)

Blue Wire Control Signal (PWM)

Yellow Wire Frequency Generator Signal (F00)

◆ Mass: 6.5g

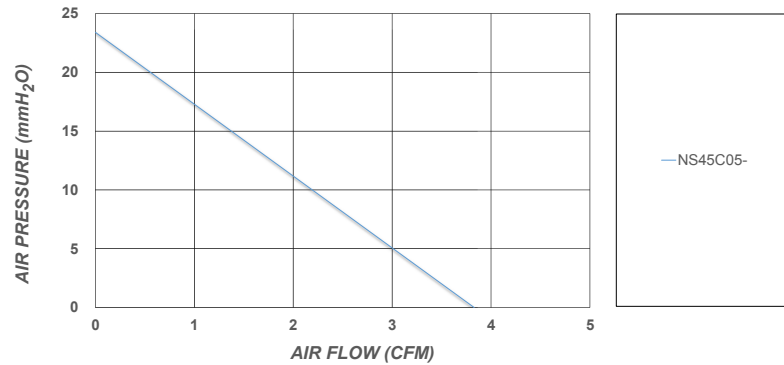
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
35x35x6.5	NS45C04-	5	4.5~5.3	14200	3.247	34.5	0.42	70.0 @0.1m	IP52	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 40x40x8 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic, Pillow - AL

◆ Sound pressure level:

At 0.3 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

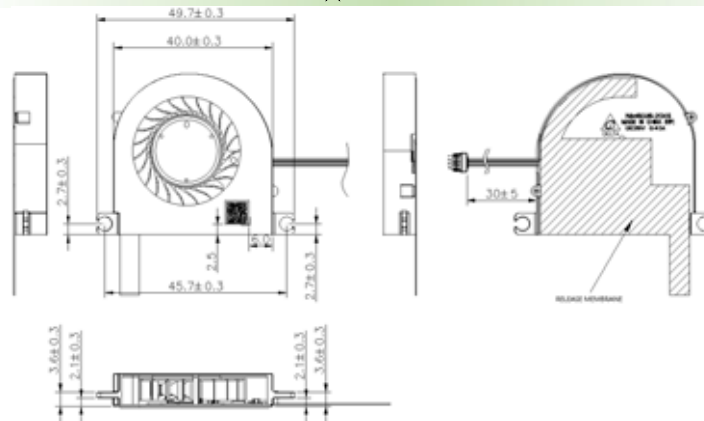
Black Wire Negative (-)

Blue Wire Control Signal (PWM)

Yellow Wire Frequency Generator Signal (F00)

◆ Mass: 9g

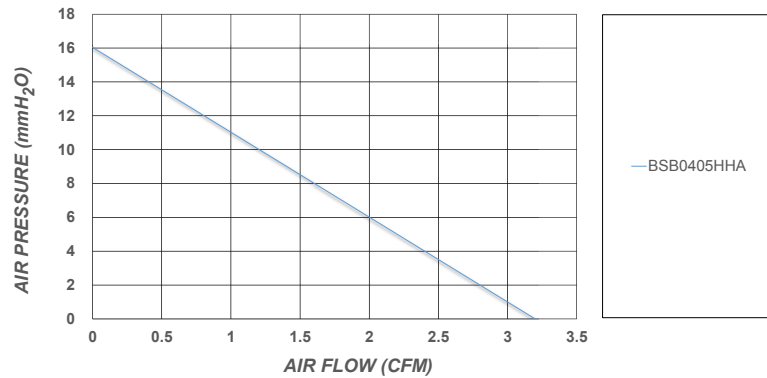
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
40x40x8	NS45C05-	5	4.5~5.5	11500	3.83	23.4	1.6	59.0 @0.3m	IP52	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 40x40x10.3 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

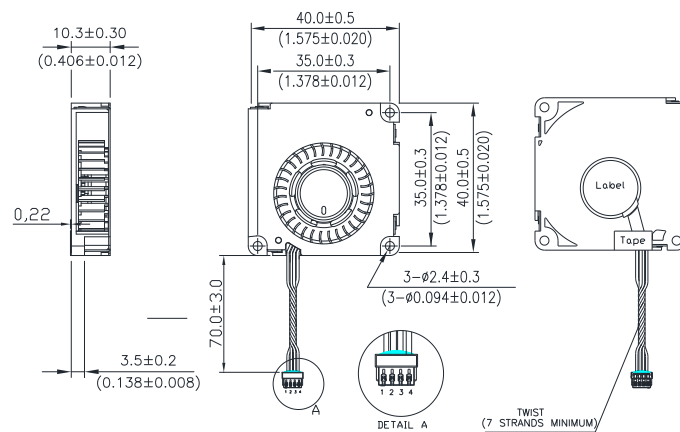
Black Wire Negative (-)

Yellow Wire Control Signal (PWM)

Blue Wire Frequency Generator Signal (F00)

◆ Mass: 13g

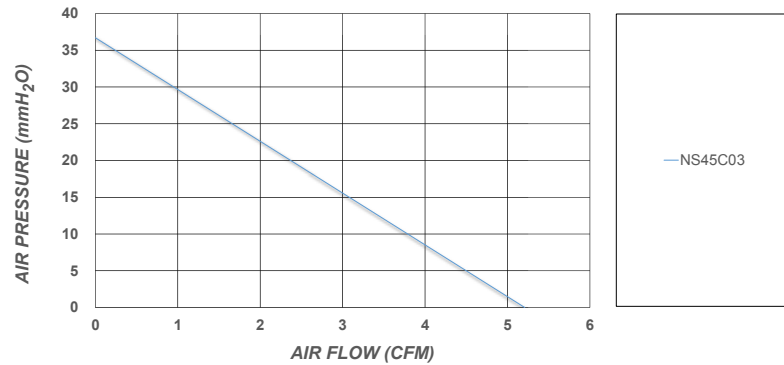
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
40x40x10.3	BSB0405HHA	5	4.5~5.5	6600	3.2	16.04	1.05	4.5 @1m	IP52	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 45x45x8 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic, Pillow - AL

◆ Sound pressure level:

At 0.5 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

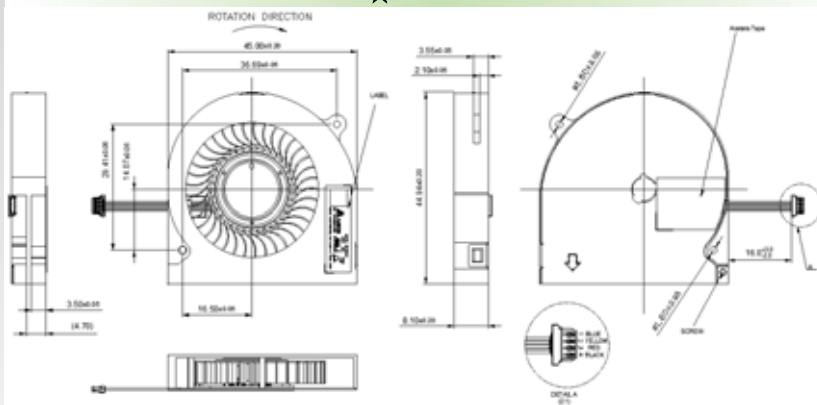
Black Wire Negative (-)

Blue Wire Control Signal (PWM)

Yellow Wire Frequency Generator Signal (F00)

◆ Mass: 9.2g

★ Dimensions

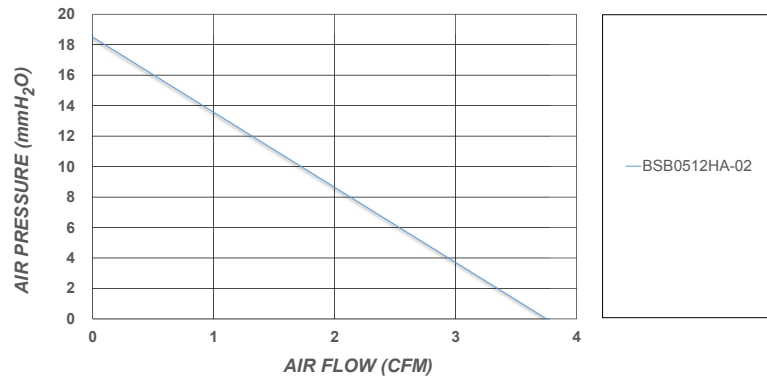


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
45x45x8	NS45C03	5	4.5~5.5	9000	5.21	36.7	2.35	54.0 @0.5m	IP52	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Blower Fan 50x61.4x10.3 MM SERIES



★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL3302 AWG # 30 or equivalent

Red Wire Positive (+)

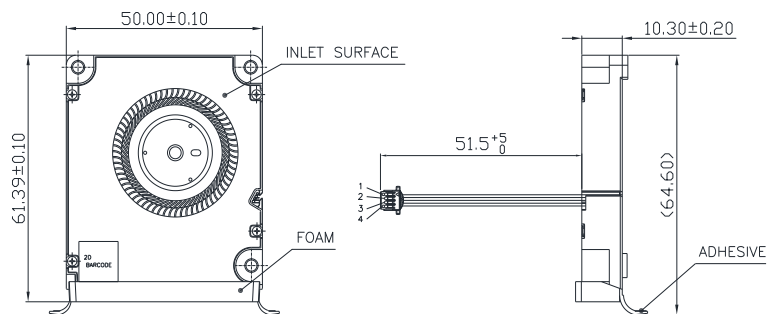
Black Wire Negative (-)

Blue Wire Control Signal (PWM)

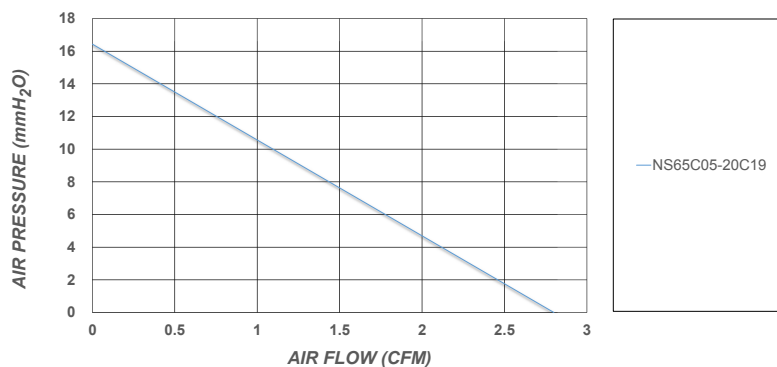
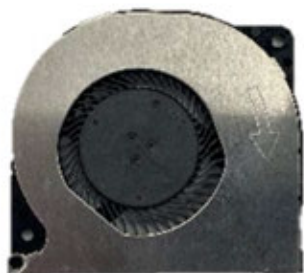
Yellow Wire Frequency Generator Signal (F00)

◆ Mass: 25g

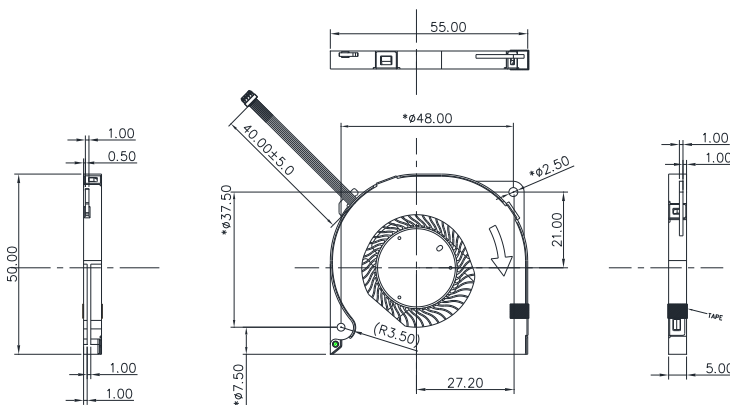
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
50x61.4x10.3	BSB0512HA-02	10	9.5~12.6	5270	3.75	18.5	0.9	4.5 @1m	IP52	F00/PWM	0°C ~ 50°C	5% ~ 90% RH	30000 hrs/40°C

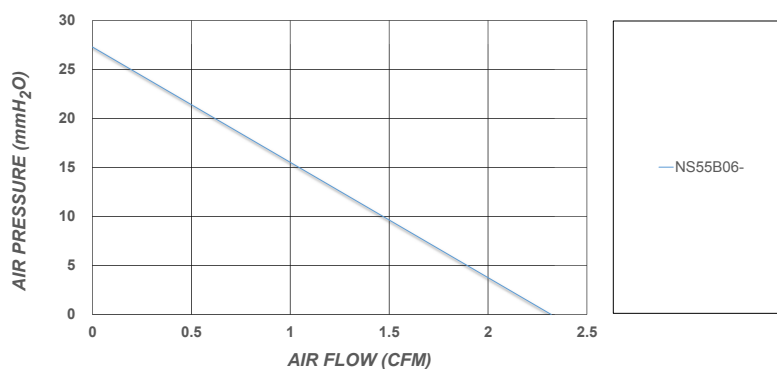


◆ Mass: 14.5g



Miniature Blower Fan 55x55x8 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.5 m away from the air inlet

◆ Storage temperature: -10°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

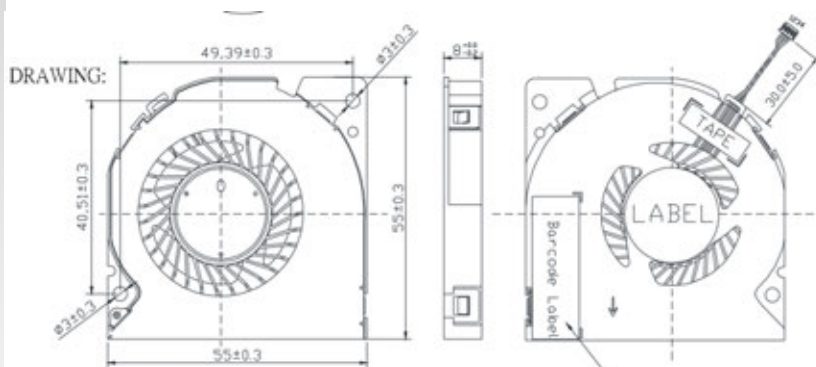
Black Wire Negative (-)

Blue Wire Control Signal (PWM)

Yellow Wire Frequency Generator Signal (F00)

◆ Mass: 17g

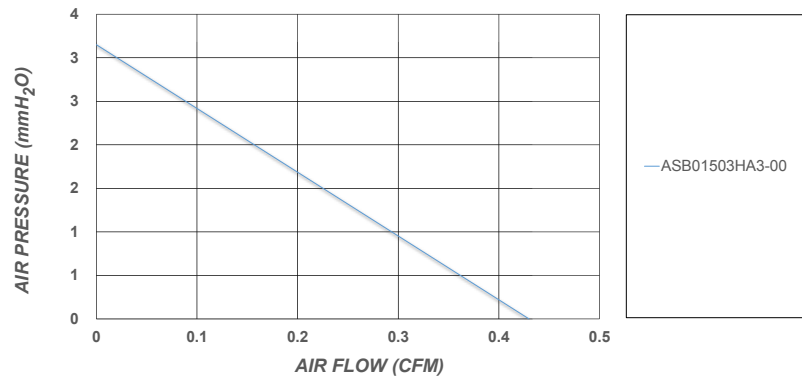
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
55x55x8	NS55B06-	5	4.5~5.5	5400	4.8	17.5	1.75	41.5 @0.5m	IP52	F00/PWM	0°C ~ 70°C	5% ~ 90% RH	50000 hrs/40°C

Miniature Axial Fan 15x15x3.4 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic, Cover - AL

◆ Sound pressure level:

At 0.3 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

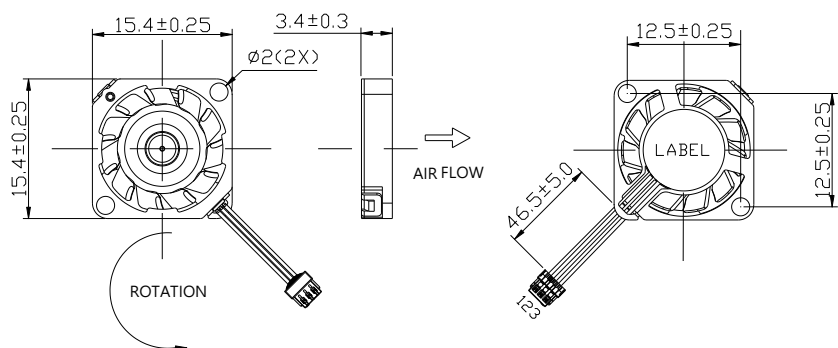
Red Wire Positive (+)

Black Wire Negative (-)

Yellow Wire Frequency Generator Signal (F00)

◆ Mass: 1.0g

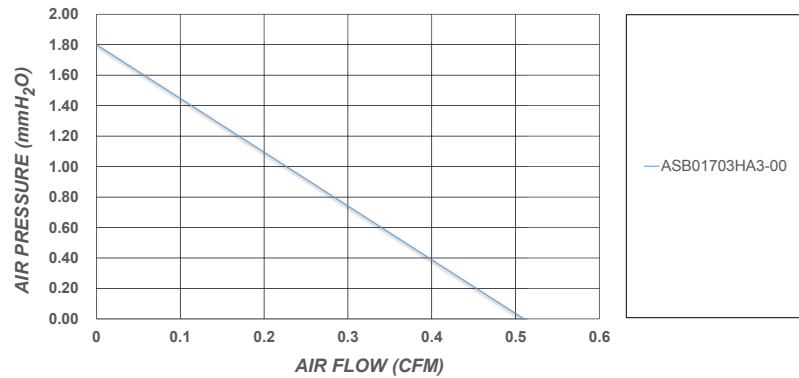
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
15x15x3.4	ASB01503HA3-00	3	2.0~3.5	18200	0.43	3.15	0.15	40 @0.3m	IP55	F00	-10°C ~ 60°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Axial Fan 17x17x3 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic, Pillow - Plastic

◆ Sound pressure level:

At 0.3 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

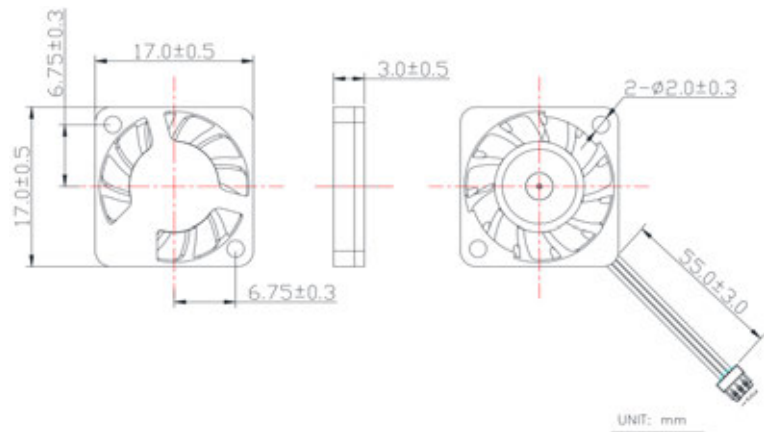
Red Wire Positive (+)

Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

◆ Mass: 1.7g

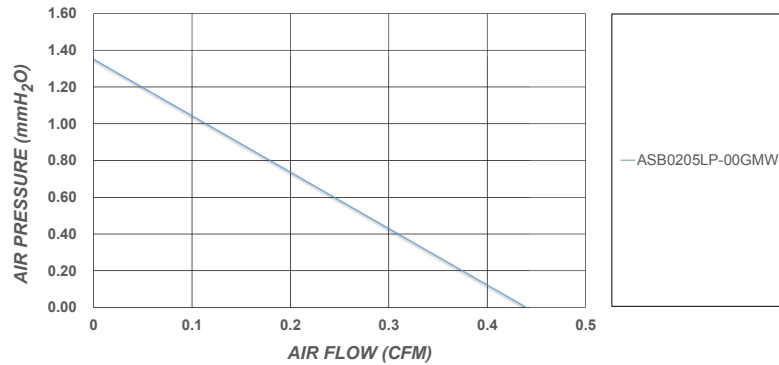
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
17x17x3.0	ASB01703HA3-00	3	2.0~3.5	12000	0.510	1.80	0.18	30 @0.3m	IP55	F00/PWM	-10°C ~ 60°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Axial Fan 20x20x6.3 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.05 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

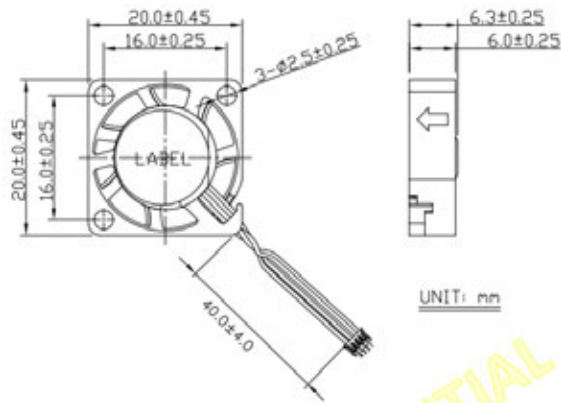
Black Wire Negative (-)

Blue Wire Control Signal (PWM)

Yellow Wire Frequency Generator Signal (F00)

◆ Mass: 3.0g

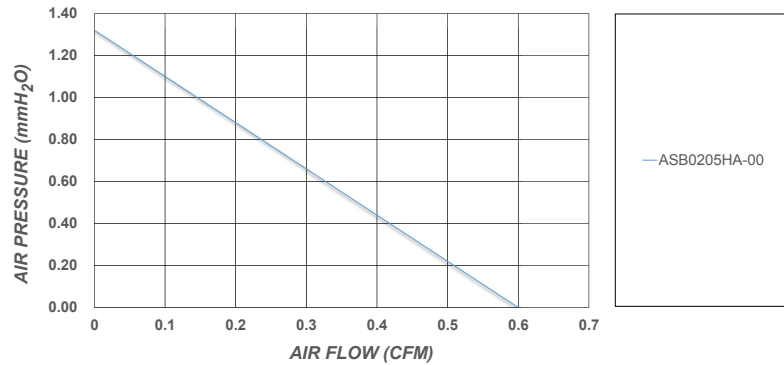
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
20x20x6	ASB0205LP-00GMW	5	4.5~5.5	7000	0.44	1.35	0.15	29 @0.05m	IP52	F00/PWM	-10°C ~ 60°C	5% ~ 90% RH	50000 hrs/40°C

Miniature Axial Fan 20x20x10 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.2 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

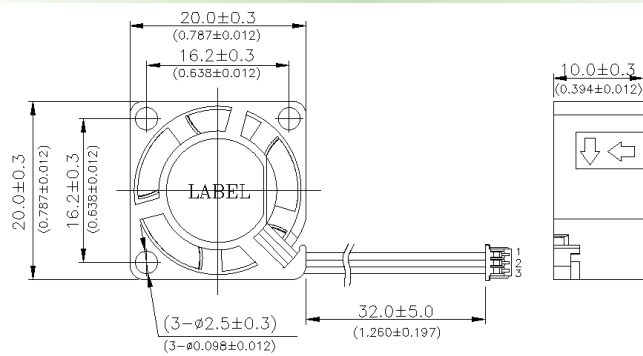
Red Wire Positive (+)

Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

◆ Mass: 4.5g

★ Dimensions

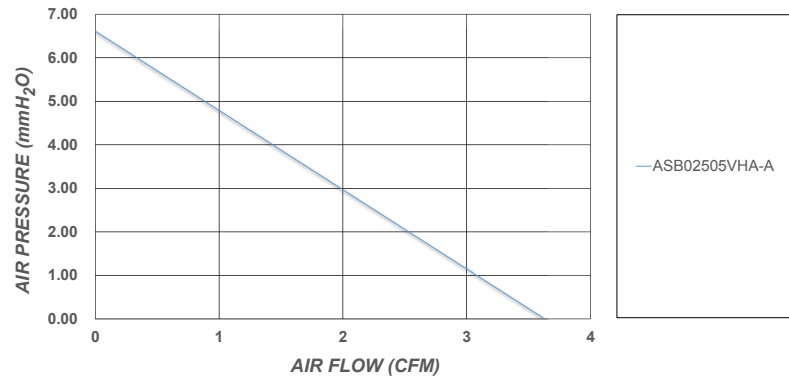


UNIT: mm(inch)

Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
20x20x10	ASB0205HA-00	5	2.5~5.5	7000	0.60	1.32	0.14	17.0 @0.2m	IP52	F00/PWM	0°C ~ 50°C	5% ~ 90% RH	88000 hrs/25°C

Miniature Axial Fan 25x25x10 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1061 AWG # 30 or equivalent

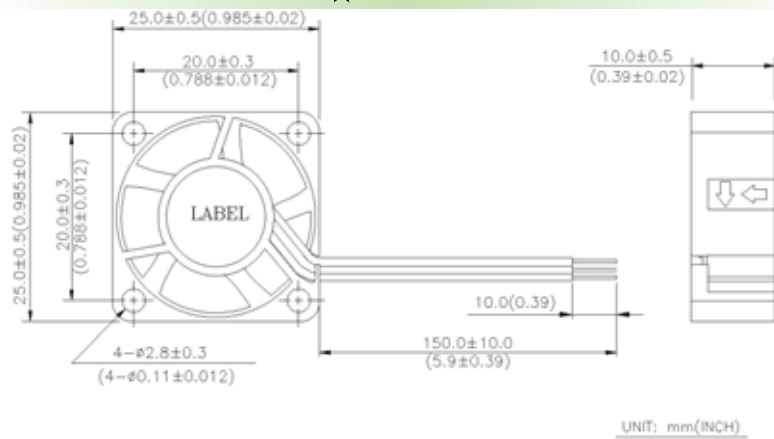
Red Wire Positive (+)

Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

◆ Mass: 5.6g

★ Dimensions

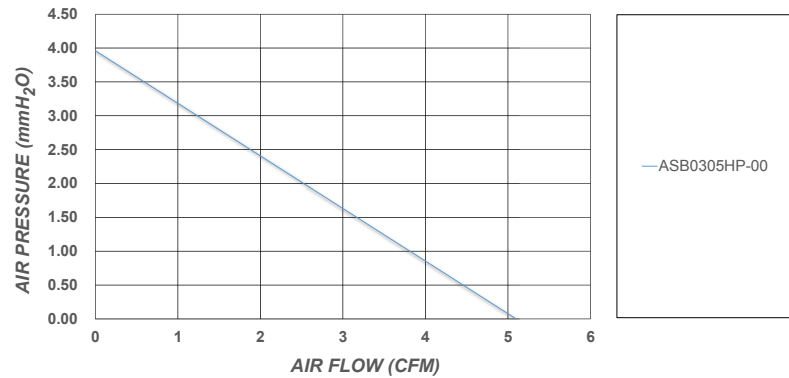


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
25x25x10	ASB02505VHA-A	5	4.5~5.5	13000	3.63	6.61	0.75	28 @1m	IP52	F00/PWM	-10°C ~ 60°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Axial Fan 30x30x6.9 MM SERIES



★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL10064 AWG # 32 or equivalent

Red Wire Positive (+)

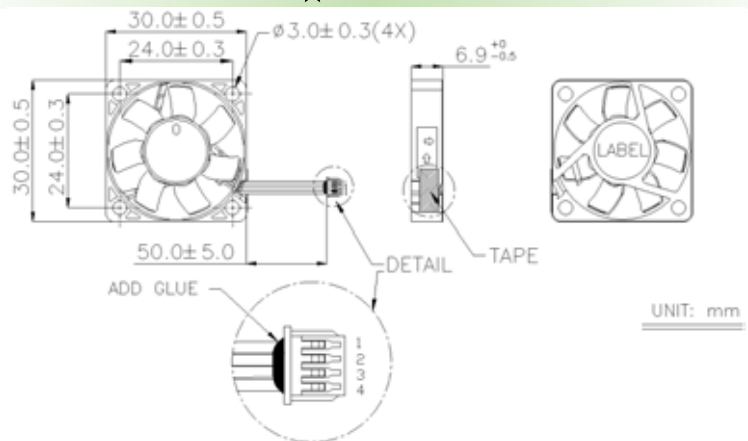
Black Wire Negative (-)

Blue Wire Control Signal (PWM)

Yellow Wire Frequency Generator Signal (F00)

◆ Mass: 4.5g

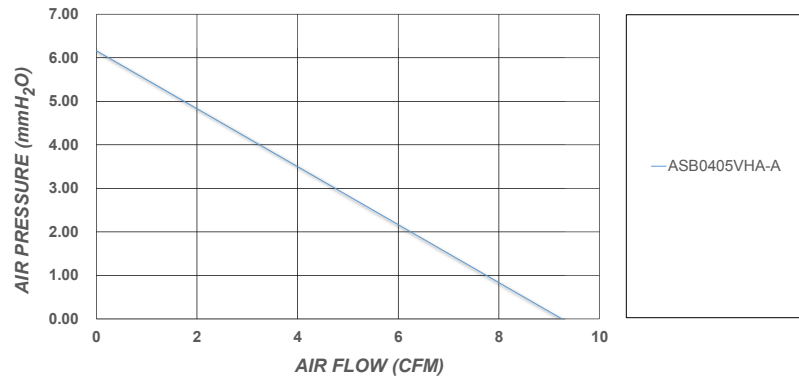
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
30x30x6.9	ASB0305HP-00	5	4.5~5.5	9500	5.10	3.96	1.00	29 @1m	IP52	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	50000 hrs/40°C

Miniature Axial Fan 40x40x10 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1061 AWG # 30 or equivalent

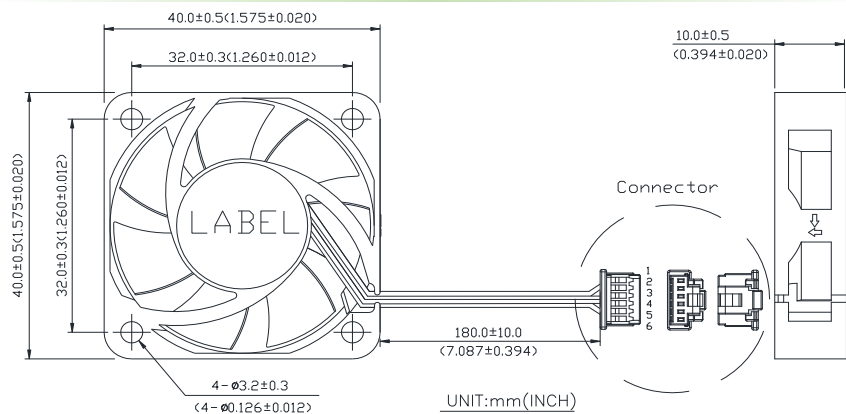
Black Wire Negative (-)

Blue Wire Control Signal (PWM)

Yellow Wire Frequency Generator Signal (F00)

◆ Mass: 13.5g

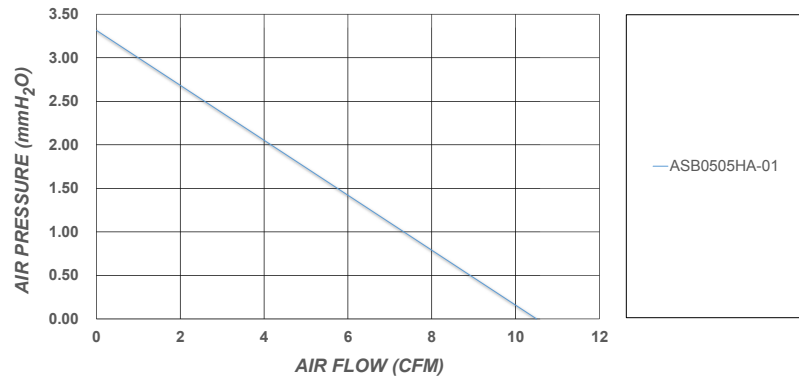
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
40x40x10	ASB0405VHA-A	5	4.5~5.5	8000	9.254	6.160	0.8	33.5 @1m	IP52	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	30000 hrs/40°C

Miniature Axial Fan 50x50x10 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 0.5 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL3302 AWG # 30 or equivalent

Brown Wire Positive (+)

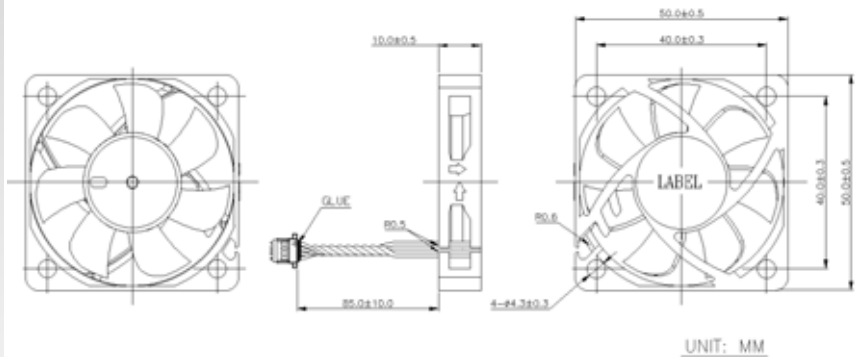
Black Wire Negative (-)

Blue Wire Control Signal (PWM)

Dark Gary Wire Frequency Generator Signal (F00)

◆ Mass: 20g

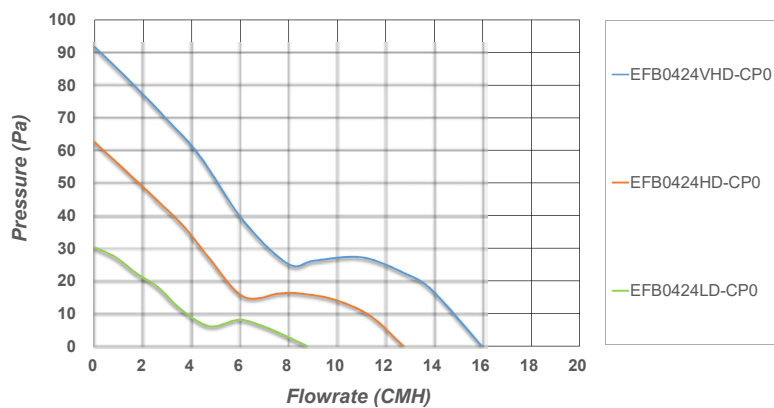
★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CFM)	Pressure (mmH ₂ O)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
50x50x10	ASB0505HA-01	5	4.5~5.5	5500	10.5	3.315	0.90	32 @0.5m	IP52	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	50000 hrs/40°C

EFB 40X40X20 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1061 AWG # 26 or equivalent

Red Wire Positive (+)

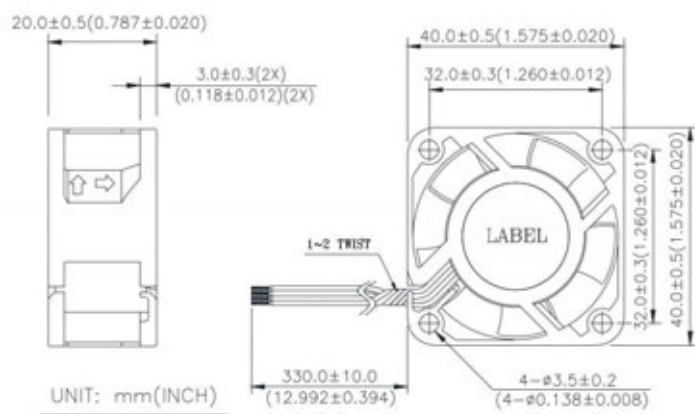
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

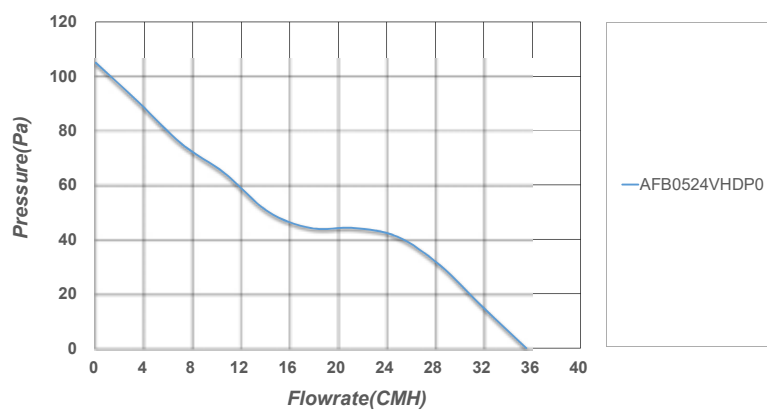
◆ Mass: 33g

★ Dimensions



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
40 x 40 x 20	EFB0424VHD-CP0	24	14.0 ~ 26.4	9000	15.96	91.69	1.44	37.3	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	EFB0424HD-CP0	24	14.0 ~ 26.4	7600	12.73	62.47	1.20	31.0	---	F00/PWM			70000 hrs/40°C
	EFB0424LD-CP0	24	14.0 ~ 26.4	5500	8.75	30.24	0.72	24.5	---	F00/PWM			70000 hrs/40°C

A black Delta Electronics fan with a white label in the center. The label features the Delta logo, the text "DELTA", "12VDC 0.18A (max)", "CE", "FAN", and "MADE IN TAIWAN". Three colored wires (red, yellow, black) are visible on the left side of the fan.



20

◆ Mass: 177g

Technical drawing of the 12VDC 100mA Fan Model 4005, showing side and front views with dimensions in mm and inches.

Side View Dimensions:

- Total height: 20.1 ± 0.5 mm (0.787 ± 0.020 inch)
- Mounting tab height: 3.0 ± 0.3 mm (0.118 ± 0.012 inch)
- Shaft length: 10.0 (ref.) mm (0.394 inch)
- Shaft twist: $1 \sim 2$ TWIST
- Shaft diameter: 200.0 ± 10.0 mm (7.874 ± 0.394 inch)

Front View Dimensions:

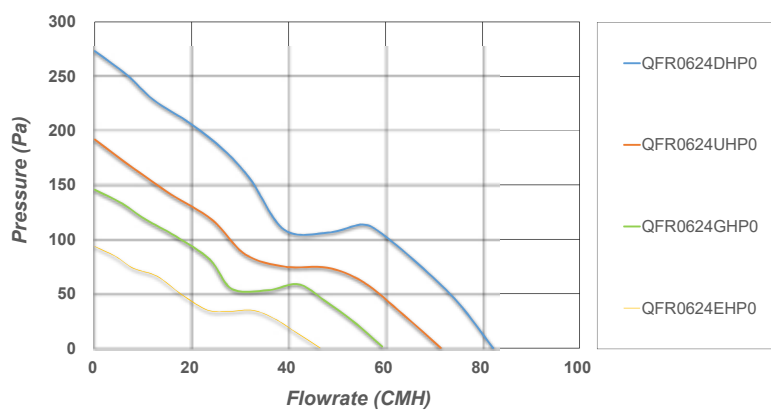
- Total width: 50.0 ± 0.5 mm (1.969 ± 0.020 inch)
- Internal width: 40.0 ± 0.3 mm (1.575 ± 0.012 inch)
- Internal height: 40.0 ± 0.3 mm (1.575 ± 0.012 inch)
- Overall height: 50.0 ± 0.5 mm (1.969 ± 0.020 inch)
- Label: LABEL
- Mounting holes: $4 - \phi 4.3 \pm 0.3$ mm ($4 - \phi 0.169 \pm 0.012$ inch)

UNIT: mm (INCH)

Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
50 x 50 x 20	AFB0524VHDP0	24	14.0 ~ 27.6	8500	35.52	104.93	1.92	39.5	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C

QFR 60X60X25 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 70°C

◆ Lead wire: UL1061 AWG # 26 or equivalent

Red Wire Positive (+)

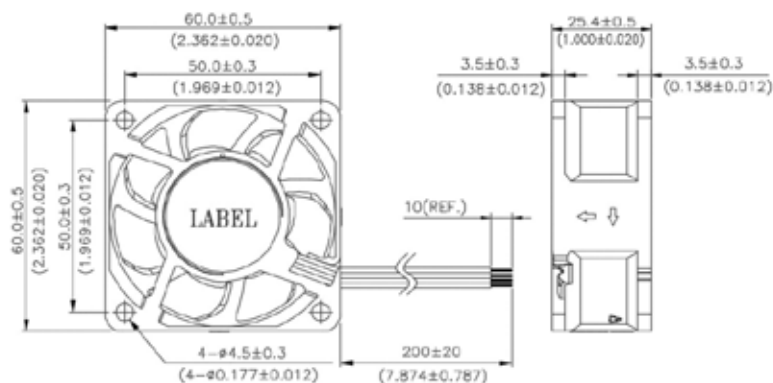
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 75g

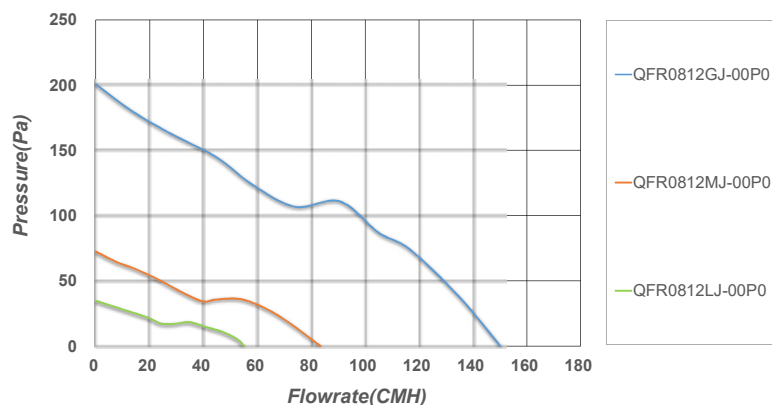
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
60 x 60 x 25	QFR0624DHP0	24	16.0 ~ 26.4	10600	84.12	259.70	8.40	55.0	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	40000 hrs/60°C
	QFR0624UHP0	24	16.0 ~ 26.4	9000	71.34	190.12	5.52	50.0	---	F00/PWM			40000 hrs/60°C
	QFR0624EHP0	24	16.0 ~ 26.4	7600	58.80	141.90	3.84	47.0	---	F00/PWM			40000 hrs/60°C
	QFR0624GHP0	24	16.0 ~ 26.4	6000	46.68	89.57	2.40	39.5	---	F00/PWM			40000 hrs/60°C

QFR 80X80X25 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 70°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

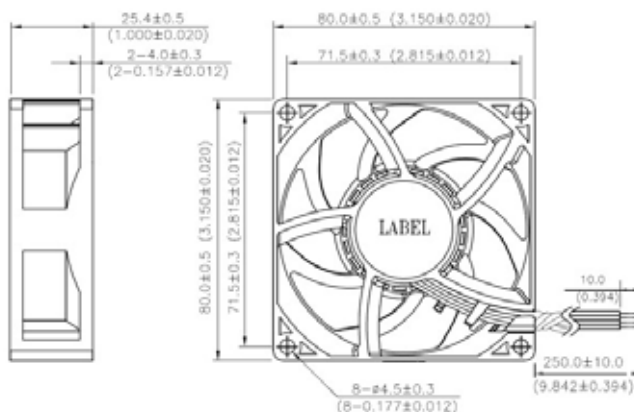
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 177g

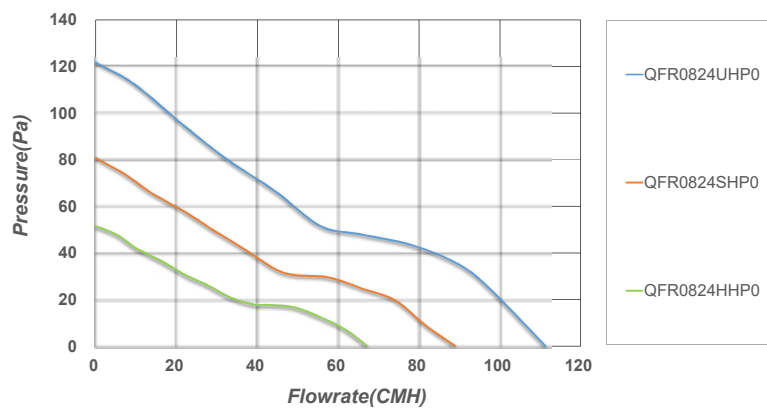
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
80 x 80 x 25	QFR0812GJ-00P0	12	7.0 ~ 13.8	8000	150.17	200.71	11.64	57.5	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	QFR0812MJ-00P0	12	7.0 ~ 13.8	4500	83.37	70.63	2.40	43.5	---	F00/PWM			70000 hrs/40°C
	QFR0812LJ-00P0	12	7.0 ~ 13.8	3150	56.88	35.31	1.20	31.5	---	F00/PWM			70000 hrs/40°C

QFR 80X80X25 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 70°C

◆ Lead wire: UL1007 AWG # 28 or equivalent

Red Wire Positive (+)

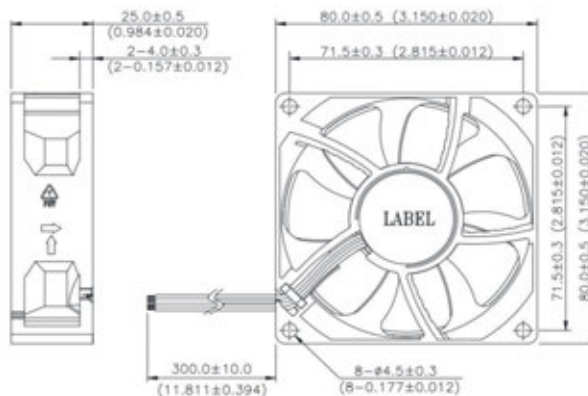
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 88 g

★ Dimensions (unit: mm)

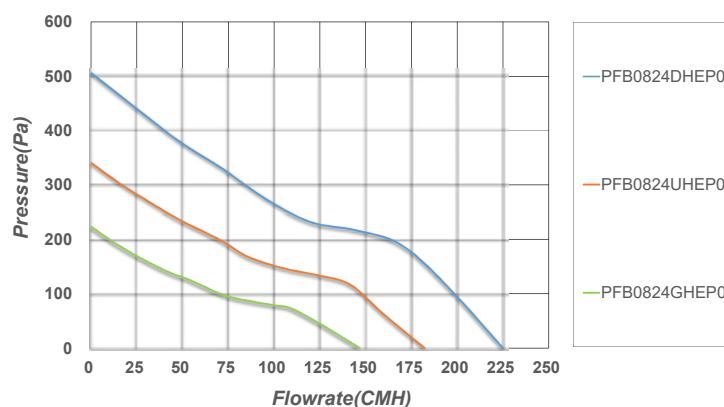


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
80 x 80 x 25	QFR0824UHP0	24	14.0 ~ 27.6	5400	111.30	121.60	5.52	50.0	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	QFR0824SHP0	24	14.0 ~ 27.6	4300	88.95	80.71	3.60	44.2	---	F00/PWM			70000 hrs/40°C
	QFR0824HHP0	24	14.0 ~ 27.6	3300	67.26	51.46	2.40	36.4	---	F00/PWM			70000 hrs/40°C



PFB 80X80X38 MM SERIES

★ Airflow - Static Pressure Characteristics



♦ Material:

Frame - Plastic, Impeller - Plastic

♦ Sound pressure level:

At 1 m away from the air inlet

♦ Storage temperature: -40°C ~ 75°C

♦ Lead wire: UL1061 AWG # 24 or equivalent

Red Wire Positive (+)

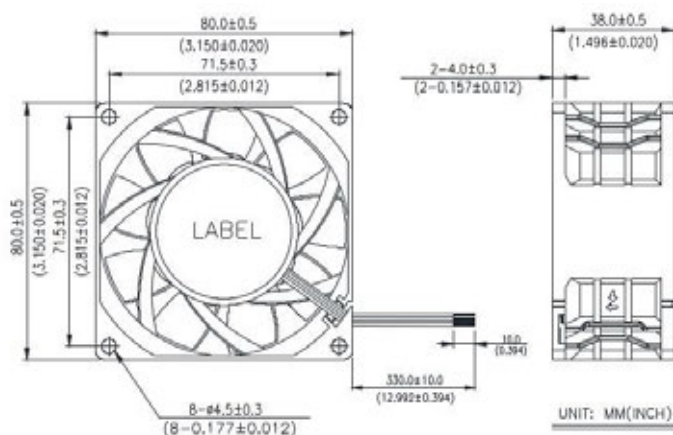
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

♦ Mass: 185g

★ Dimensions

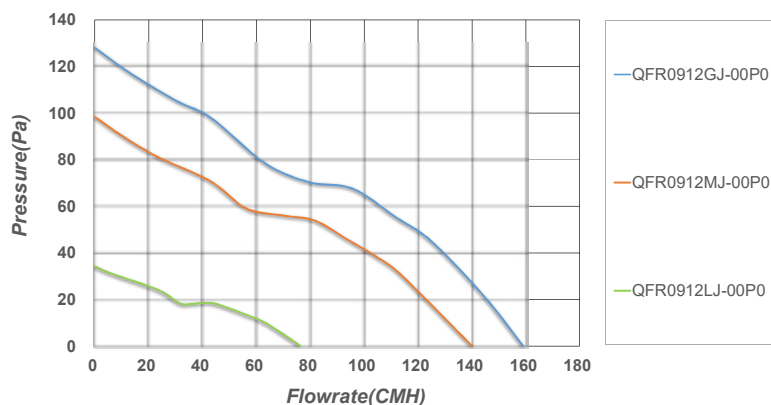


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
80 x 80 x 38	PFB0824DHEP0	24	14.0 ~ 26.4	9000	225.09	505.90	30.24	65.0	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	PFB0824UHEP0	24	14.0 ~ 26.4	7500	182.20	340.90	18.48	61.0	---	F00/PWM			70000 hrs/40°C
	PFB0824GHEP0	24	14.0 ~ 26.4	6100	146.78	223.67	10.80	55.5	---	F00/PWM			70000 hrs/40°C



QFR 92X92X25 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 85°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

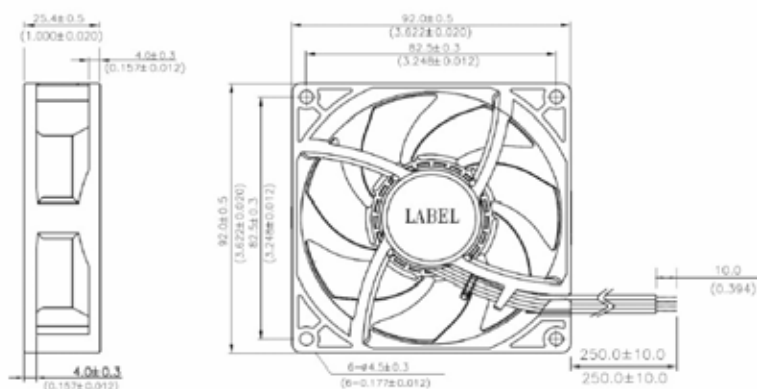
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 127g

★ Dimensions (unit: mm)



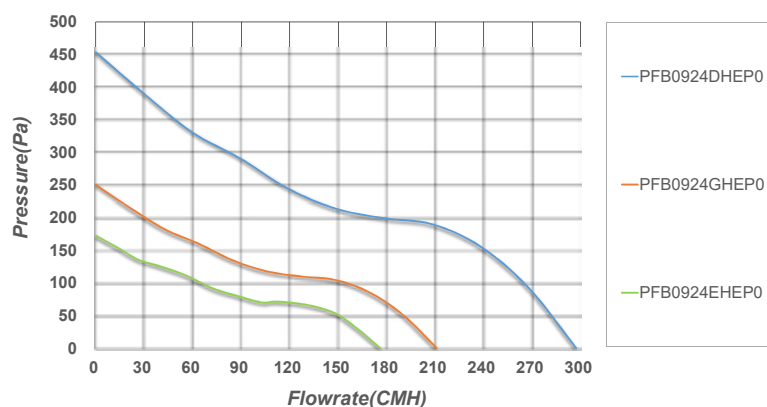
Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
92 x 92 x 25	QFR0912GJ-00P0	12	7.0 ~ 13.8	5600	159.04	128.02	8.52	51.0	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	QFR0912MJ-00P0	12	7.0 ~ 13.8	4700	140.00	98.394	5.16	47.5	---	F00/PWM			70000 hrs/40°C
	QFR0912LJ-00P0	12	7.0 ~ 13.8	2850	76.30	34.23	1.44	33.5	---	F00/PWM			70000 hrs/40°C



PFB 92X92X38 MM SERIES



★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

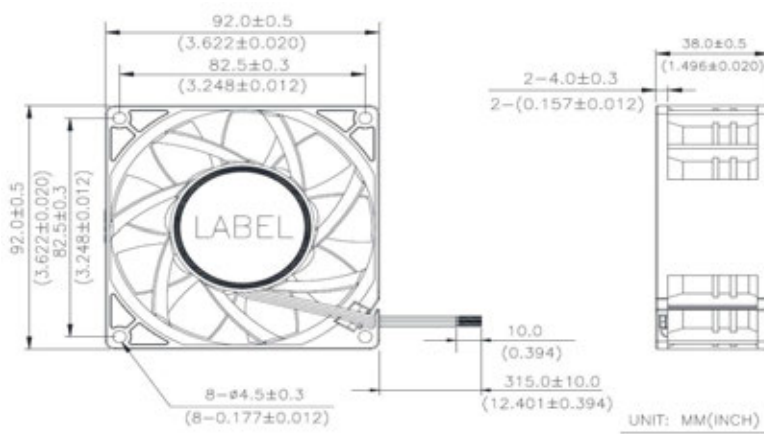
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 250g

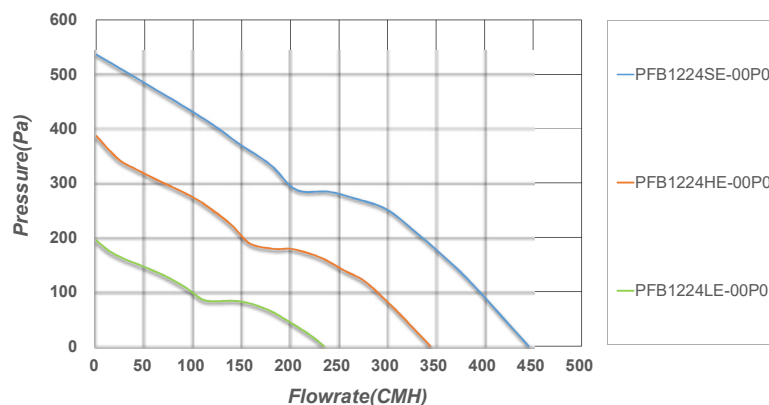
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
92 x 92 x 38	PFB0924DHEP0	24	21.6 ~ 26.4	8000	297.20	453.32	34.80	66.5	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	PFB0924GHEP0	24	21.6 ~ 26.4	6000	210.87	250.06	15.12	60.5	---	F00/PWM			70000 hrs/40°C
	PFB0924EHEP0	24	21.6 ~ 26.4	4800	176.03	172.26	7.92	54.0	---	F00/PWM			70000 hrs/40°C

PFB 120X38 120X38 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 70°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

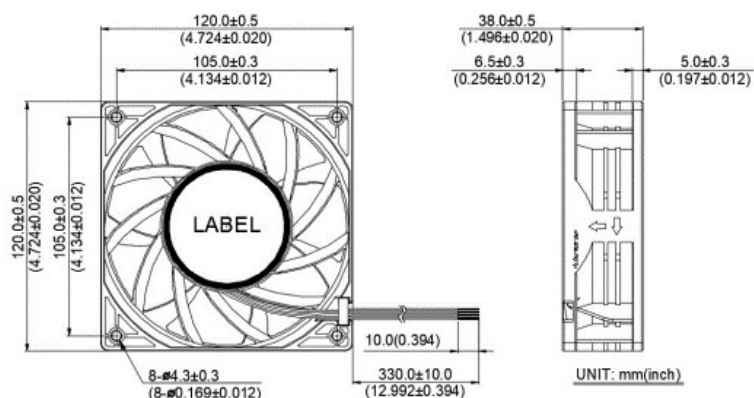
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 380g

★ Dimensions (unit: mm)

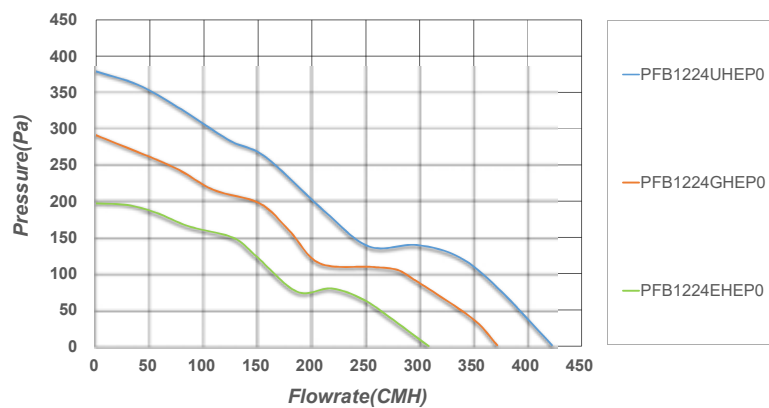


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
120x120x38	PFB1224SE-00P0	24	14.0 ~ 27.6	7500	451.02	515.83	50.4	70	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	PFB1224HE-00P0	24	14.0 ~ 27.6	5800	342.24	368.797	24	65	---	F00/PWM			70000 hrs/40°C
	PFB1224LE-00P0	24	14.0 ~ 27.6	4000	239.4	190.79	10.8	57	---	F00/PWM			70000 hrs/40°C



PFB120X120X38 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1061 AWG # 22 or equivalent

Red Wire Positive (+)

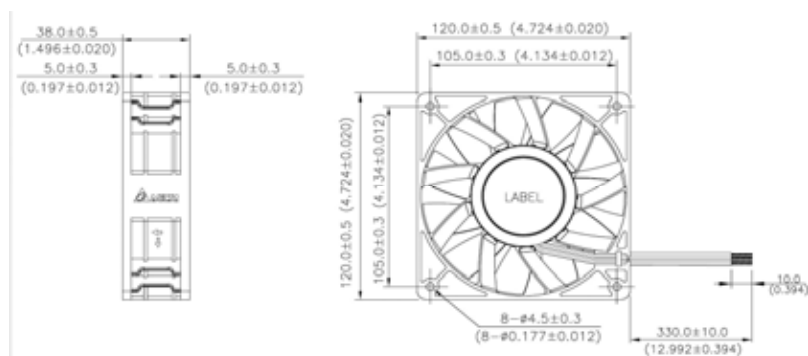
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 380g

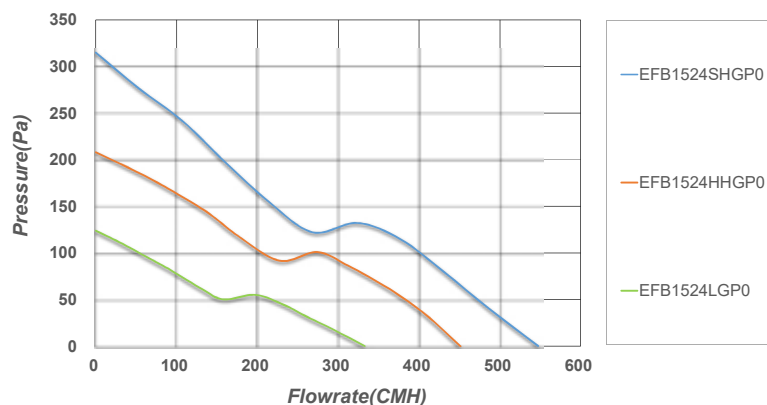
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
120x120x38	PFB1224UHEP0	24	21.6 - 26.4	5500	429.59	351.82	48.0	66.5	---	F00/PWM	-10°C ~ 70°C	15% ~ 65% RH	70000 hrs/40°C
	PFB1224GHEP0	24	21.6 - 26.4	4800	360.54	259.77	32.4	64.0	---	F00/PWM			70000 hrs/40°C
	PFB1224EHEP0	24	21.6 - 26.4	4000	307.97	187.10	21.6	59.0	---	F00/PWM			70000 hrs/40°C

EFB 172X150X50.8 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Aluminum, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 70°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

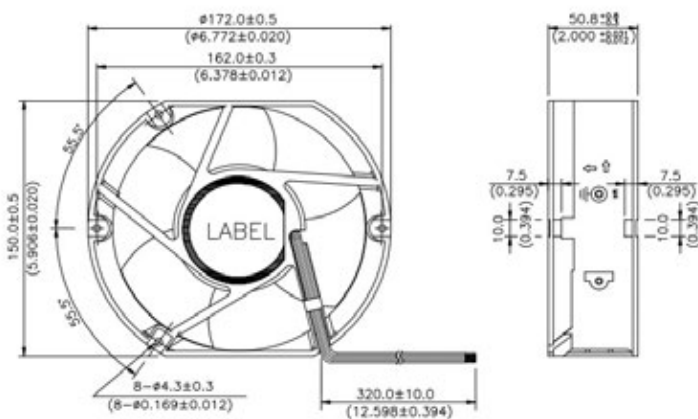
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 840 g

★ Dimensions (unit: mm)

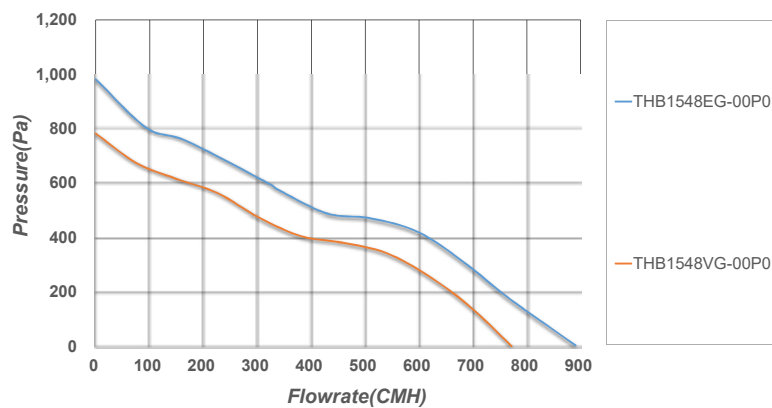


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
172X150X50.8	EFB1524SHGP0	24	21.6 - 26.4	4500	547.20	314.90	37.2	62	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	EFB1524HHGP0	24	21.6 - 26.4	3700	451.10	202.80	21.6	59	---	F00/PWM			70000 hrs/40°C
	EFB1524LGP0	24	21.6 - 26.4	2800	332.58	123.76	12.0	52.3	---	F00/PWM			70000 hrs/40°C



THB 172X150X50.8 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Die-cast aluminum, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 70°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

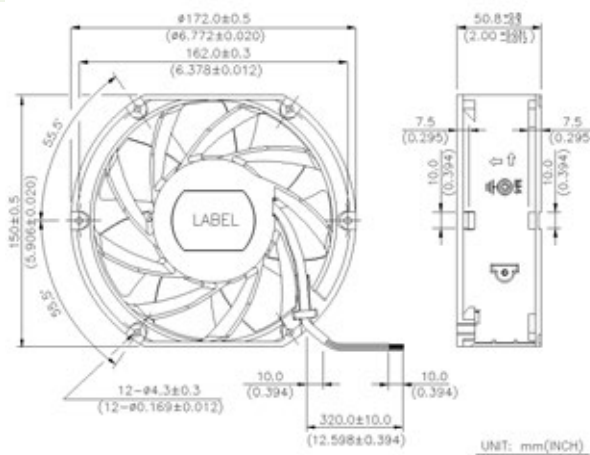
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 890g

★ Dimensions (unit: mm)

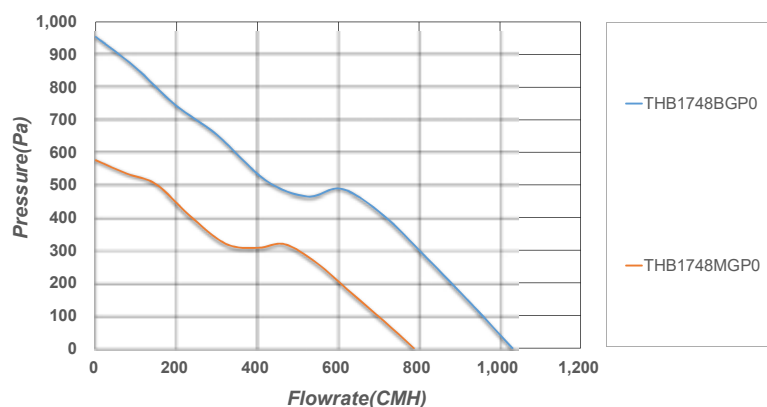


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
172x150x50.8	THB1548EG-00P0	48	36.0 ~ 60.0	7500	890.38	981.39	151.2	78.5	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	THB1548VG-00P0	48	36.0 ~ 60.0	6500	771.66	781.66	96	75.4	---	F00/PWM			70000 hrs/40°C



THB Ø172X50.8 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Aluminum, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1430 AWG # 22 or equivalent

Red Wire Positive (+)

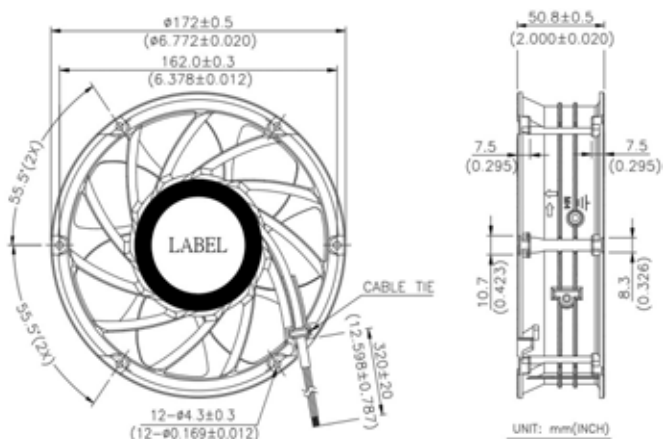
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 850g

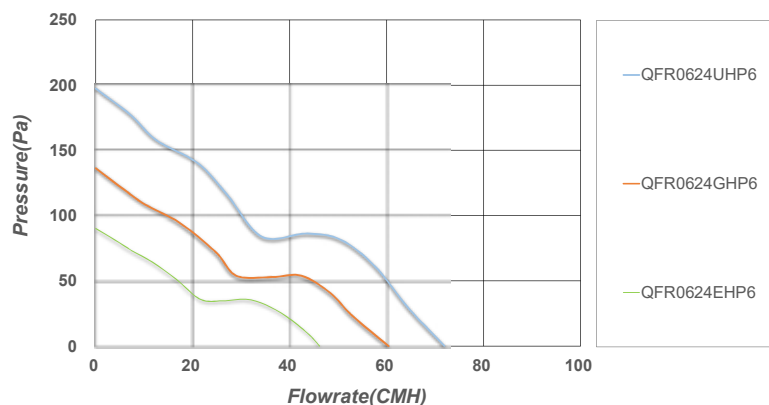
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
Ø172X50.8	THB1748BGP6	48	36.0 ~ 60.0	8000	1030.80	953.92	163.20	77.5	---	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	THB1748MGP6	48	36.0 ~ 60.0	6100	786.77	575.85	79.20	70.5	---	F00/PWM			70000 hrs/40°C

QFR 60X60X25 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 70°C

◆ Lead wire: UL1061 AWG # 26 or equivalent

Red Wire Positive (+)

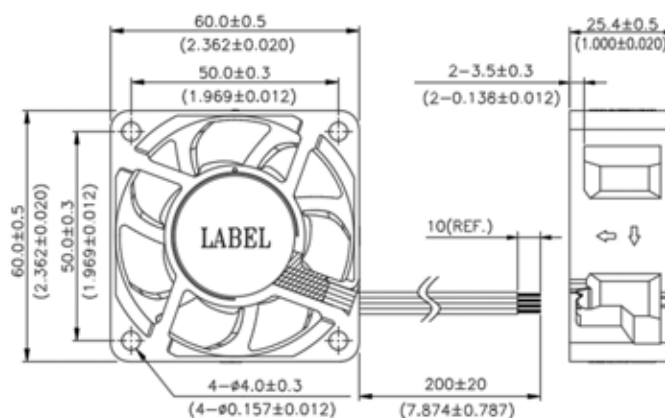
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

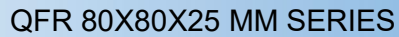
Yellow Wire Control Signal (PWM)

◆ Mass: 90g

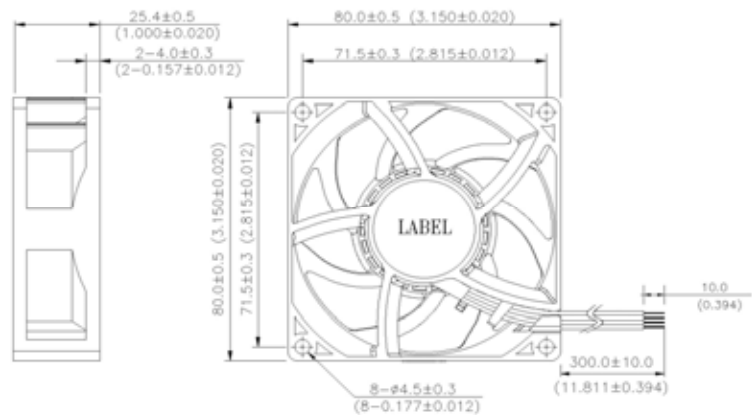
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
60 x 60 x 25	QFR0624UHP6	24	16.0 ~ 26.4	9000	70.2	184.63	6.24	50.0	IP68	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	40000 hrs/60°C
	QFR0624EHP6	24	16.0 ~ 26.4	7600	58.8	136.12	3.84	47.0	IP68	F00/PWM			40000 hrs/60°C
	QFR0624GHP6	24	16.0 ~ 26.4	6000	46.68	86.83	2.4	39.5	IP68	F00/PWM			40000 hrs/60°C



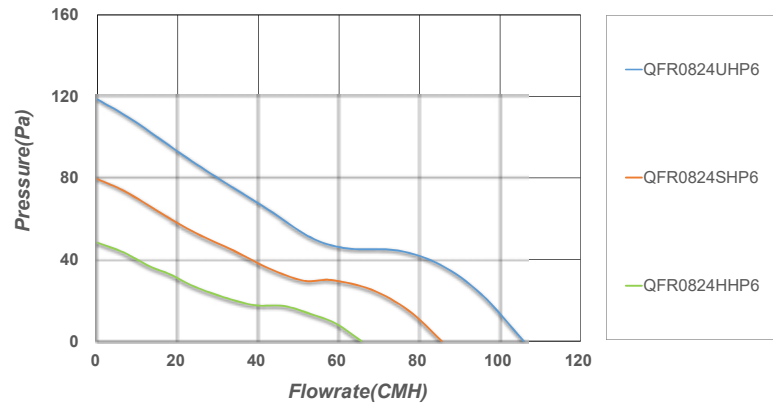
A black Delta 40mm x 40mm x 12mm DC fan with a 4-pin connector. The fan has a circular grille and a central hub with the Delta logo and technical specifications. The connector is a 4-pin header with red, yellow, blue, and black wires.

56



QFR 80X80X25 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1007 AWG # 28 or equivalent

Red Wire Positive (+)

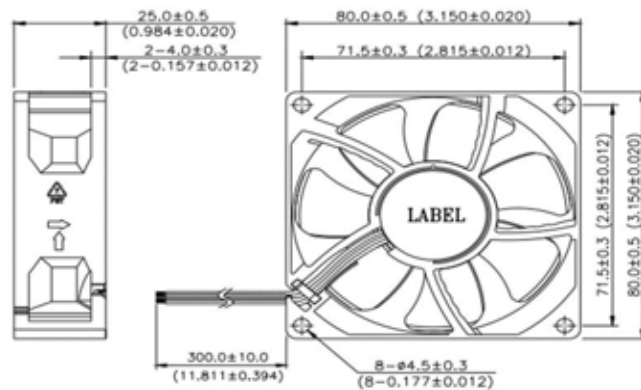
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 88 g

★ Dimensions (unit: mm)

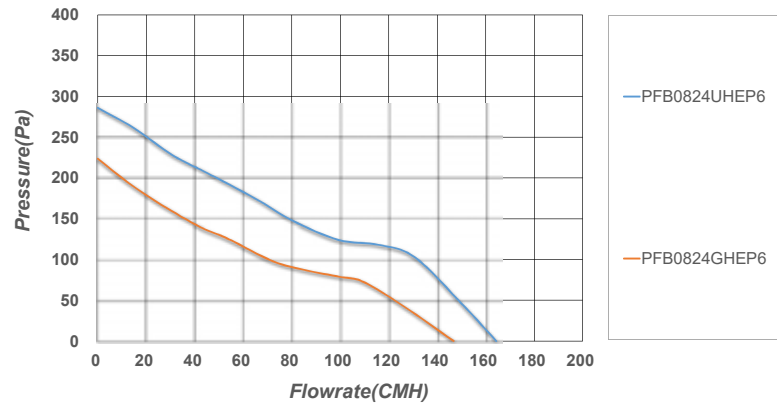


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
80 x 80 x 25	QFR0824UHP6	24	14.0 ~ 27.6	5300	105.87	118.59	5.52	49.6	IP68	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	QFR0824SHP6	24	14.0 ~ 27.6	4300	85.50	79.46	3.60	44.2	IP68	F00/PWM			70000 hrs/40°C
	QFR0824HHP6	24	14.0 ~ 27.6	3300	65.54	48.27	1.92	36.4	IP68	F00/PWM			70000 hrs/40°C



PFB 80X80X38 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1061 AWG # 24 or equivalent

Red Wire Positive (+)

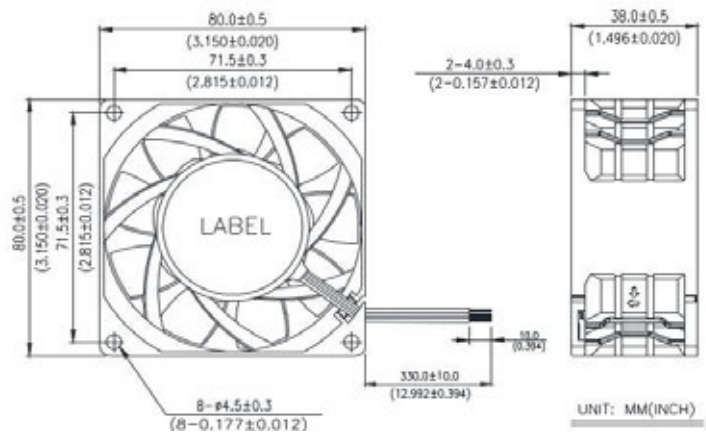
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 210g

★ Dimensions



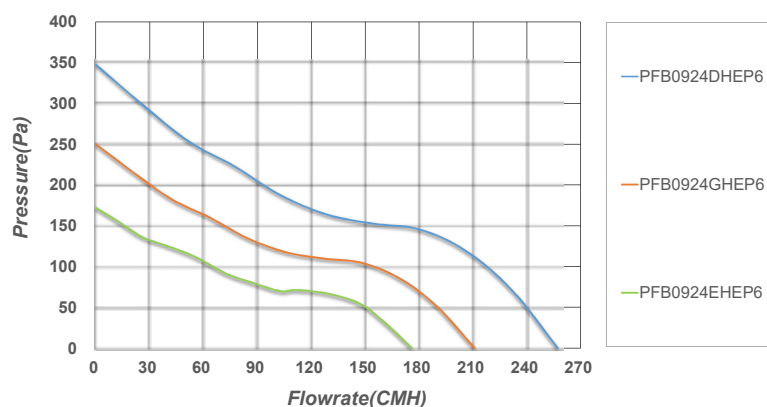
Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
80 x 80 x 38	PFB0824UHEP6	24	14.0 ~ 26.4	7000	164.35	286.07	16.32	57.9	IP68	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	PFB0824GHEP6	24	14.0 ~ 26.4	6100	146.78	223.67	10.80	55.5	IP68	F00/PWM			70000 hrs/40°C



PFB 92X92X38 MM SERIES



★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

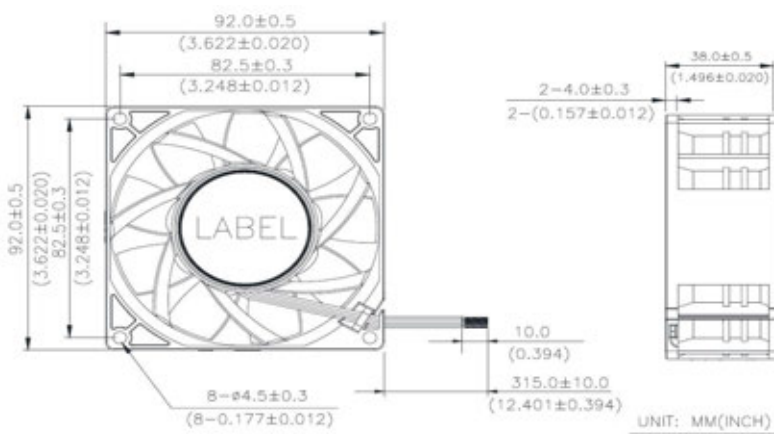
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 280g

★ Dimensions (unit: mm)

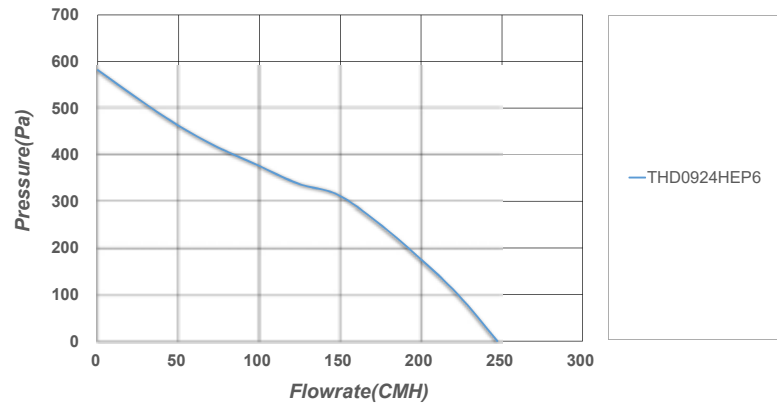


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
92 x 92 x 38	PFB0924DHEP6	24	21.6 ~ 26.4	7200	257.25	347.57	26.40	63.7	IP68	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	PFB0924GHEP6	24	21.6 ~ 26.4	6000	210.87	250.06	15.60	60.5	IP68	F00/PWM			70000 hrs/40°C
	PFB0924EHEP6	24	21.6 ~ 26.4	4800	176.03	172.26	7.92	54.0	IP68	F00/PWM			70000 hrs/40°C



THD 92X92X38 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 85°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

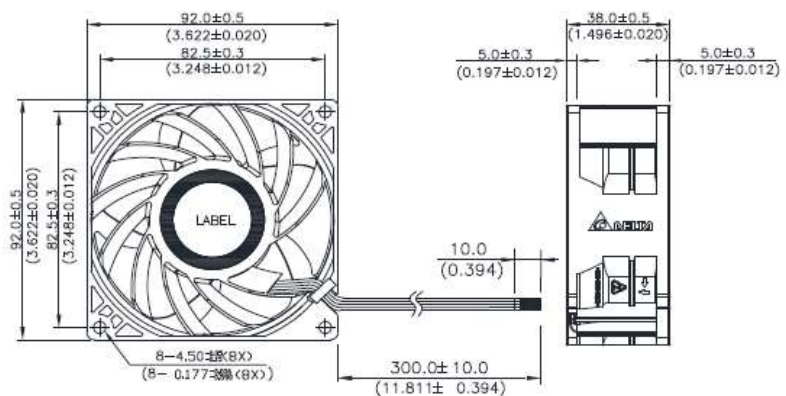
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 177g

★ Dimensions (unit: mm)



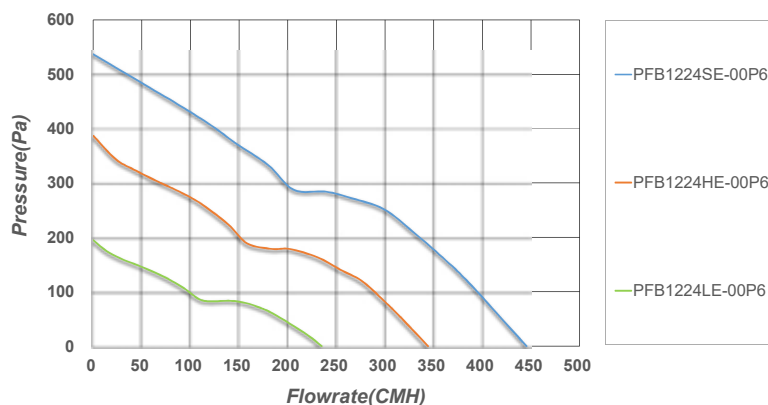
Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
92 x 92 x 38	THD0924HEP6	24	21.6 ~ 26.4	10700	247.27	581.36	27.6	64	IP68	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C



PFB 120X120X38 MM SERIES



★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 70°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

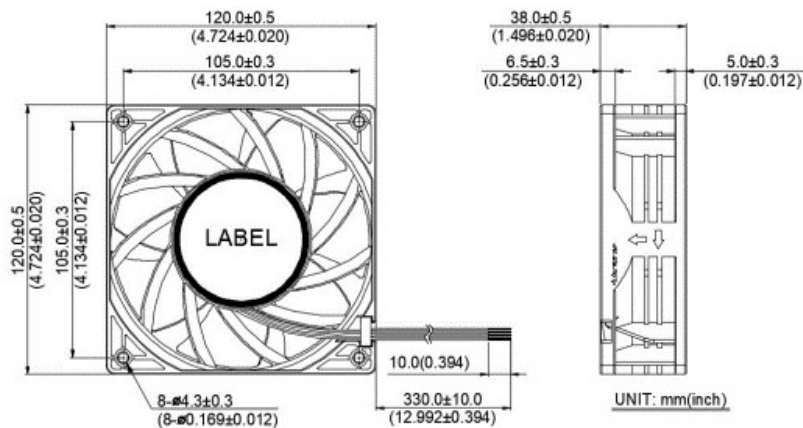
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 426g

★ Dimensions (unit: mm)

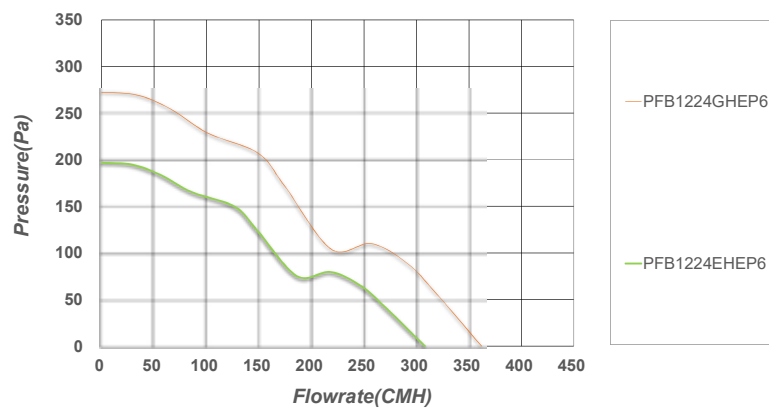


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
120x120x38	PFB1224SE-00P6	24	14.0 ~ 27.6	7500	451.02	515.83	50.4	70	IP68	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	PFB1224HE-00P6	24	14.0 ~ 27.6	5800	342.24	368.79	24.0	65	IP68	F00/PWM			70000 hrs/40°C
	PFB1224LE-00P6	24	14.0 ~ 27.6	4000	239.40	190.79	10.8	57	IP68	F00/PWM			70000 hrs/40°C



PFB120X120X38 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Plastic, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1061 AWG # 22 or equivalent

Red Wire Positive (+)

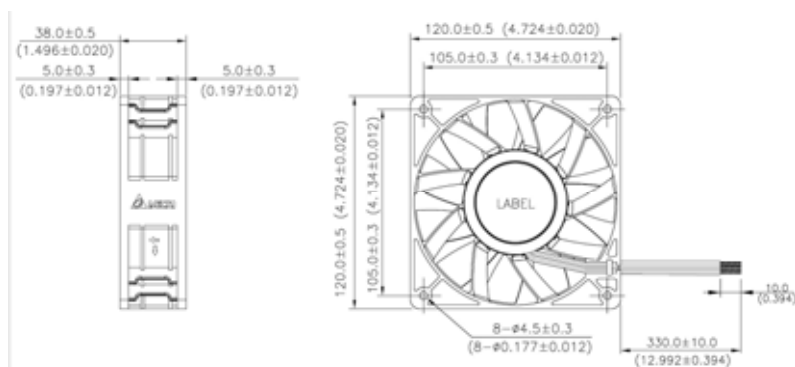
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 380g

★ Dimensions (unit: mm)

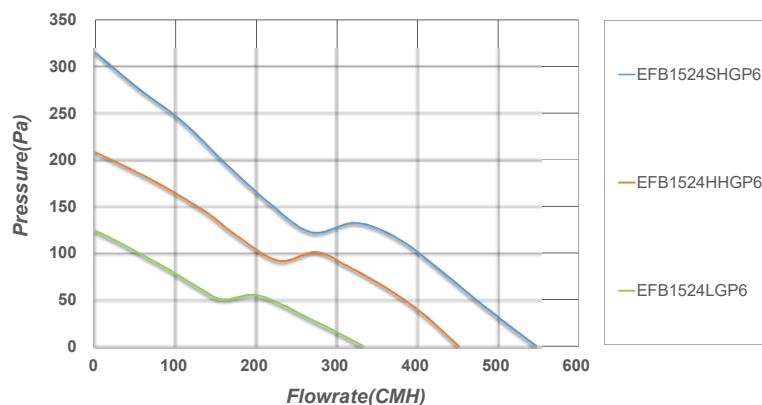


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
120x120x38	PFB1224GHEP6	24	21.6 - 26.4	4800	360.54	259.77	32.4	64.0	IP68	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	PFB1224EHEP6	24	21.6 - 26.4	4000	307.97	187.10	21.6	59.0	IP68	F00/PWM			70000 hrs/40°C



EFB 172X150X50.8 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Aluminum, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 70°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

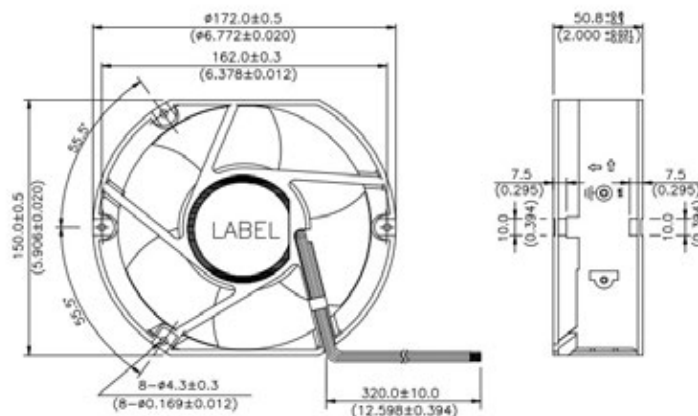
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 840 g

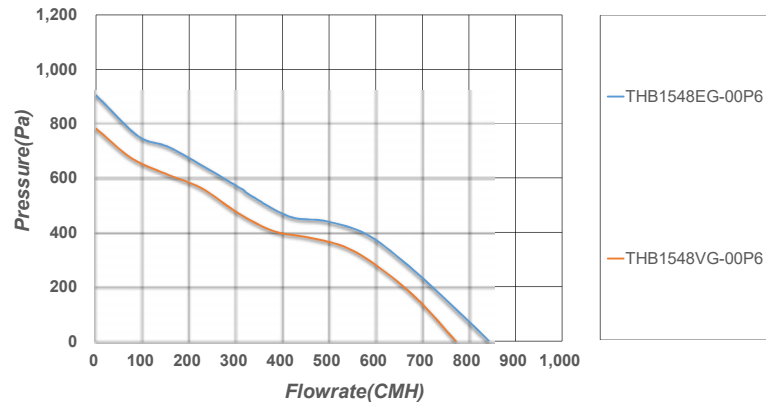
★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
172X150X50.8	EFB1524SHGP6	24	21.6 - 26.4	4500	547.2	314.9	37.2	62	IP68	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	EFB1524HHGP6	24	21.6 - 26.4	3700	451.1	202.8	21.6	59	IP68	F00/PWM			70000 hrs/40°C
	EFB1524LGP6	24	21.6 - 26.4	2800	332.58	123.76	12.0	52.3	IP68	F00/PWM			70000 hrs/40°C

THB 172X150X50.8 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Die-cast aluminum, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 70°C

◆ Lead wire: UL1007 AWG # 24 or equivalent

Red Wire Positive (+)

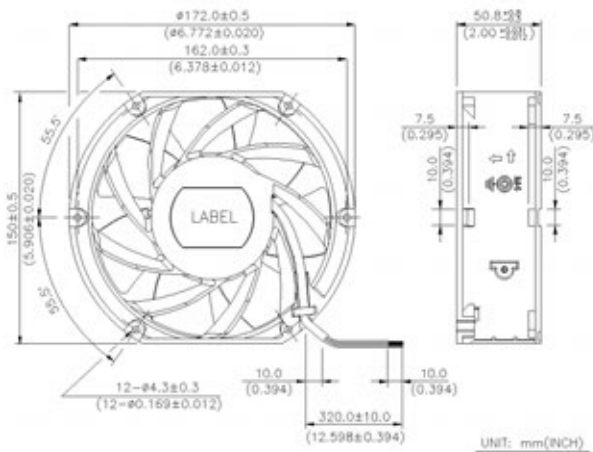
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 890g

★ Dimensions (unit: mm)

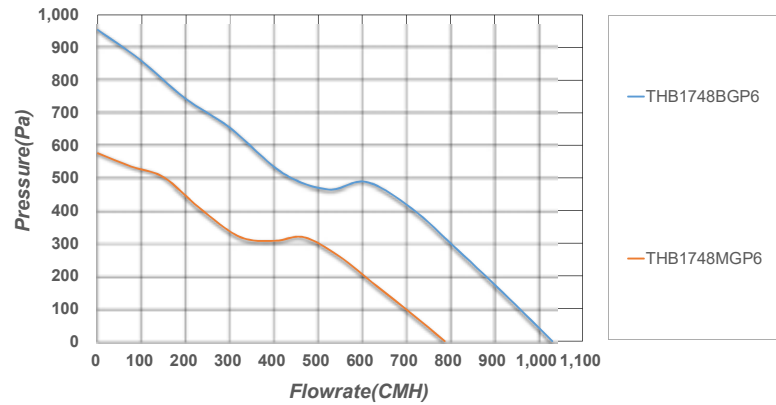


Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
172X150X50.8	THB1548EG-00P6	48	36.0 ~ 60.0	7200	841.98	904.5	144	77.6	IP68	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	THB1548VG-00P6	48	36.0 ~ 60.0	6500	771.66	781.66	96	75.4	IP68	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C



THB Ø172X50.8 MM SERIES

★ Airflow - Static Pressure Characteristics



◆ Material:

Frame - Aluminum, Impeller - Plastic

◆ Sound pressure level:

At 1 m away from the air inlet

◆ Storage temperature: -40°C ~ 75°C

◆ Lead wire: UL1430 AWG # 22 or equivalent

Red Wire Positive (+)

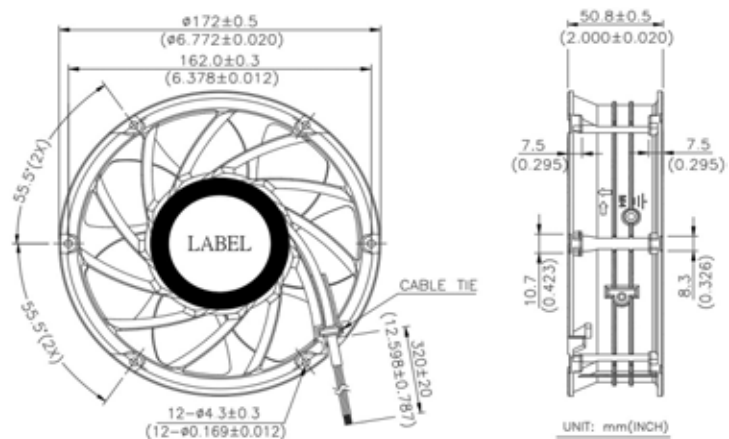
Black Wire Negative (-)

Blue Wire Frequency Generator Signal (F00)

Yellow Wire Control Signal (PWM)

◆ Mass: 940g

★ Dimensions (unit: mm)



Size (mm)	Model	Rated Voltage (V)	Voltage Range (V)	Max. Speed (RPM)	Air Flow (CMH)	Pressure (Pa)	Power (W)	Noise (dBA)	IP	Signal	Operating temperature	Operating humidity	Life
Ø172X50.8	THB1748BGP6	48	36.0 ~ 60.0	8000	1030.80	953.84	163.20	77.5	IP68	F00/PWM	-10°C ~ 70°C	5% ~ 90% RH	70000 hrs/40°C
	THB1748MGP6	48	36.0 ~ 60.0	6100	786.77	564.38	79.20	70.5	IP68	F00/PWM			70000 hrs/40°C

EC BLOWER

Metal or Plastic impeller depending on models

All include inlet cone / nozzle

Box frame / mounting bracket as option

Available motors with PPFC or APFC

CE/ TUV/ UL certified



Size	Series Number	Nominal Voltage Range (phase, V)	Max. Input power (W)	Speed (rpm)	Max. Air Flow (CMH)	Max. Air Pressure (Pa)
190	GTB019BUA07R-V E1	1~100-140	85	3100	736	717
190	GTB019FUA07R-V E1	1~200-240	85	3100	754	841
190	GTB019FUG09R-V E1	1~200-240	185	4150	997	988
225	GTB023EUG10R-V E1	1~200-240	180	3000	1260	650
250	GTB025FUC19R N1	1~200-277	530	3050	2600	818
280	GTB028EUB16 N1	1~200-277	180	1850	2222	570
310	GTB031FUC20R N1	1~200-277	530	2500	3014	734
310	GTB031PHJ22M N1	3~380-480	1000	3060	3704	1035
360	GTB036EUD25R N1	1~200-277	800	2030	4752	697
360	GTB036FUC23R N1	1~200-277	500	1730	4408	522
360	GTB036NUQ27R-M001	3~380-480	2500	3000	6495	1660
360	GTB036PUD25E N1	3~380-480	1000	2200	5573	919
360	GTB036PUS32R N1	3~380-480	3650	3650	8602	2585
400	GTB040EUD26R N1	1~200-277	800	1750	5692	690
400	GTB040FUC20R N1	1~200-277	430	1600	3155	563
400	GTB040FUC23R N1	1~200-277	430	1500	3635	504
400	GTB040PUD26R N1	3~380-480	1000	1850	6001	755
500	GTB050NUT34R N1	3~380-480	3100	1820	12221	1104
560	GTB056NUT35R N1	3~380-480	3100	1550	13852	1009
560	GTB056NUT37R N1	3~380-480	3100	1550	15063	1020
560	GTB056PUT35R N1	3~380-480	3100	1550	13852	1009
630	GTB063PUU41R E1	3~380-480	4200	1800	20289	1807

EC AXIAL FAN

Fan Guard & Fan Wall-Ring as option

0-10V & PWM for speed control

Available with PPFC or APFC

RS485, Modbus Standard

CE/ TUV/ UL certified



Size	Series Number	Nominal Voltage Range (phase, V)	Max. Input power (W)	Speed (rpm)	Max. Air Flow (CMH)	Max. Air Pressure (Pa)
120	GTW012FU604	1~100-240	26	4100	313	210
120	GTW012FU804	1~100-240	11	4200	246	112
170	GTW017EUB12	1~200-240	240	5800	1177	844
200	GTW020EUB12	1~200-240	240	6000	1082	1037
250	GTW025FUC16	1~200-277	360	3800	1746	392
400	GTW040FUC15E-M001	1~200-277	420	1650	5350	198
400	GTW040FUC15RS	1~200-277	420	1650	5350	198
630	GTW063HUD22E-M001	3~200-480	1100	1200	13218	212
710	GTW071HUD22E-M001	3~200-480	1000	850	15499	147
710	GTW071PUR23E	3~380-480	2700	1250	23134	259
710	GTW071PUT24E-M001	3~380-480	2700	1250	23134	259
800	GTW080NUT24E-M001	3~380-480	2200	1020	25077	196
800	GTW080PUR23E	3~380-480	2200	1020	25077	196
800	GTW080PUU26E	3~380-480	3100	1200	30178	237
910	GTW091NUT24R	3~380-480	2100	950	31130	151
910	GTW091PUR23E	3~380-480	2200	950	30948	155
910	GTW091PUU26E-M001	3~380-480	3100	1100	36649	191

Smarter. Greener. Together.

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