

97 mm

San Ace B97

33mm thick (9BM type)
33mm thick (9BMB type)



■ General Specifications

- Material Frame: Plastics (Flammability: UL94V-0),
Impeller: Plastics (Flammability: UL94V-0)
- Expected Life Refer to specifications (L10:Survival rate: 90% at 60℃ ,
rated voltage, and continuously run in a free air state)
- Lead Wire ⊕red ⊖black Sensor yellow Control (With PWM speed control
function · With pulse sensor) brown
- Storage Temperature ... -30℃ to +70℃ (Non-condensing)

97mm×33mm [Mass : 190g] **9BMB type** 

Specifications The following nos. have PWM controls and pulse sensors.

Model No.	Rated Voltage [V]	Operating Voltage Range [V]	PWM duty cycle ^{*)} [%]	Rated Current [A]	Rated Input [W]	Rated Speed [min ⁻¹]	Max. Airflow [m³/min] [CFM]		Max. Static Pressure [Pa] [inchH ₂ O]		SPL [dB(A)]	Operating Temperature [°C]	Expected Life [h]
9BMB12P2K01	12	10.8 to 13.2	100	3.4	40.8	6,850	1.61	56.8	1,280	5.14	66	-20 to +70	40,000
9BMB12P2G01		10.2 to 13.8	100	1.8	21.6	5,750	1.34	47.3	760	3.050	61		
9BMB12P2S01			100	1.4	16.8	5,250	1.22	43.1	610	2.450	59		
9BMB12P2H01			100	1.1	13.2	4,850	1.11	39.2	490	1.968	57		
9BMB12P2F01			100	0.9	10.8	4,500	1.04	36.7	410	1.64	56		
9BMB24P2K01	24	21.6 to 26.4	100	1.62	38.88	6,850	1.61	56.8	1,280	5.14	66		
9BMB24P2G01			100	0.83	19.92	5,750	1.34	47.3	760	3.05	61		
9BMB24P2S01			100	0.7	16.8	5,250	1.22	43.1	610	2.450	59		
9BMB24P2H01			100	0.55	13.2	4,850	1.11	39.2	490	1.968	57		
9BMB24P2F01			100	0.45	10.8	4,500	1.04	36.7	410	1.640	56		

Note: Fan does not rotate when PWM duty cycle is 0%.

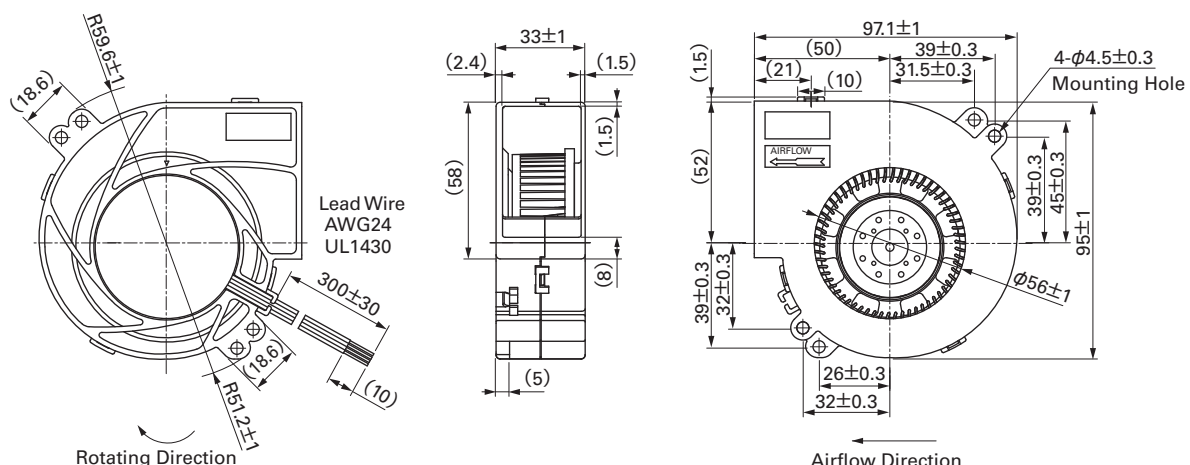
※PWM Frequency : 25kHz

The following nos. **have pulse sensors.**

Model No.	Rated Voltage [V]	Operating Voltage Range [V]	Rated Current [A]	Rated Input [W]	Rated Speed [min ⁻¹]	Max. Airflow [m³/min] [CFM]	Max. Static Pressure [Pa] [inchH ₂ O]	SPL [dB(A)]	Operating Temperature [°C]	Expected Life [h]
9BMB12K201	12	7 to 13.2	3.4	40.8	6,850	1.61 56.8	1,280 5.14	66	-20 to +70	40,000
9BMB12G201		7 to 13.8	1.80	21.6	5,750	1.34 47.3	760 3.052	61		
9BMB12S201			1.40	16.8	5,250	1.22 43.1	610 2.450	59		
9BMB12H201			1.10	13.2	4,850	1.11 39.2	490 1.968	57		
9BMB12F201			0.90	10.8	4,500	1.04 36.7	410 1.647	56		
9BMB24K201	24	21.6 to 26.4	1.62	38.88	6,850	1.61 56.8	1,280 5.14	66		
9BMB24G201		12 to 26.4	0.83	19.9	5,750	1.34 47.3	760 3.052	61		
9BMB24S201			0.70	16.8	5,250	1.22 43.1	610 2.450	59		
9BMB24H201			0.55	13.2	4,850	1.11 39.2	490 1.968	57		
9BMB24F201			0.45	10.8	4,500	1.04 36.7	410 1.647	56		

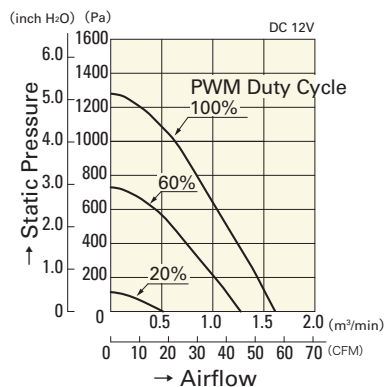
Some models can also be equipped without sensors as an option. Please refer to the index (pp. 417 to 437).

■ Dimensions (unit : mm) (With PWM speed control function · With pulse sensor)

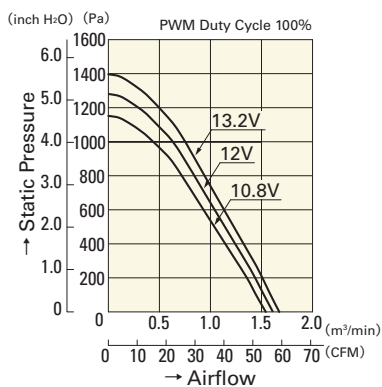


Airflow - Static Pressure Characteristics

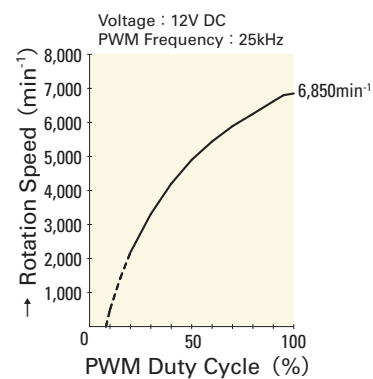
PWM Duty Cycle



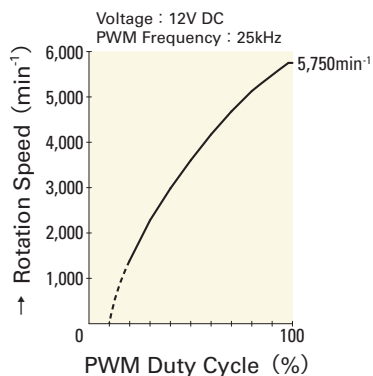
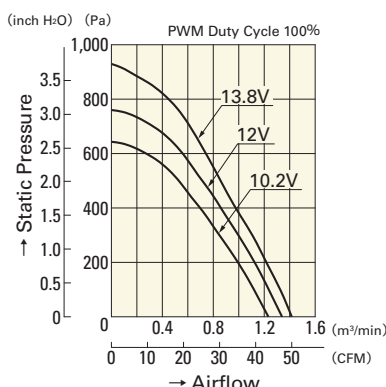
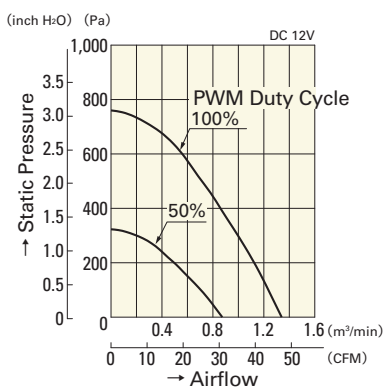
Operating Voltage Range



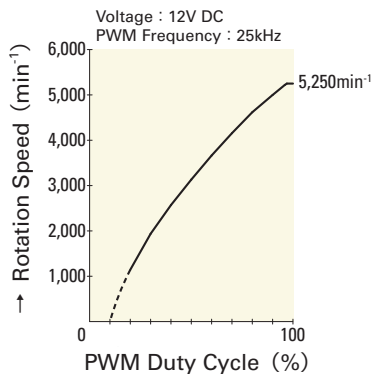
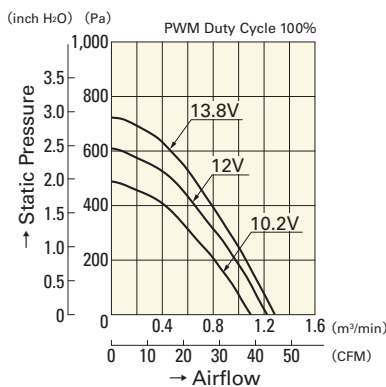
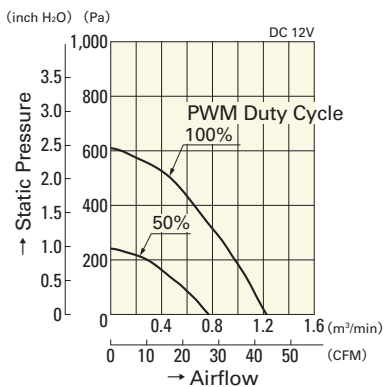
PWM Duty - Speed Characteristics Example



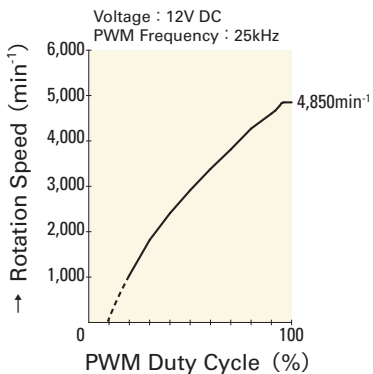
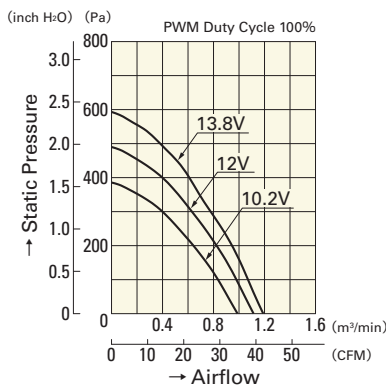
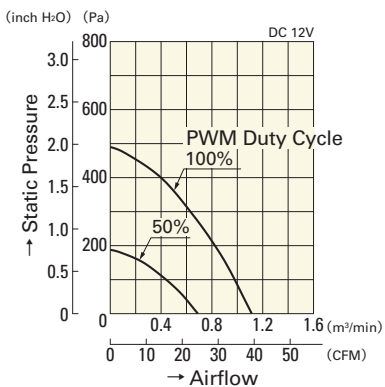
9BMB12P2K01



9BMB12P2G01



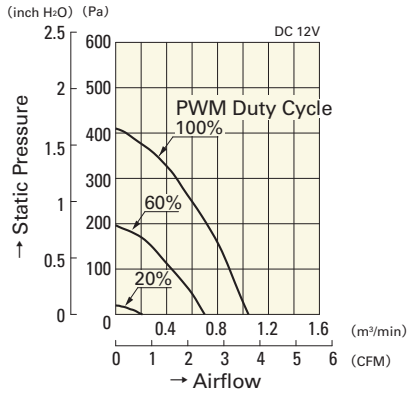
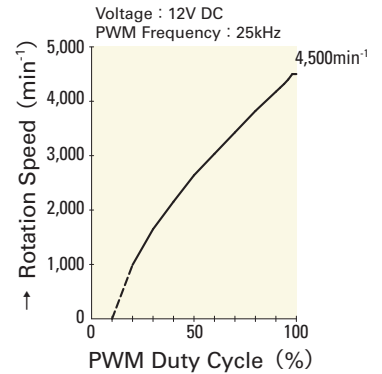
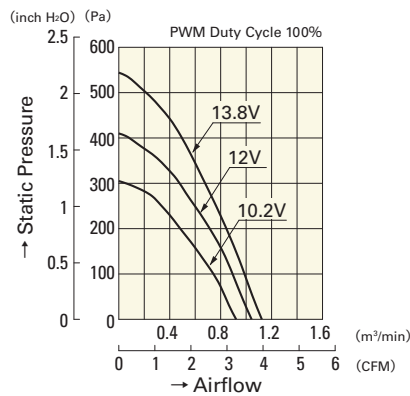
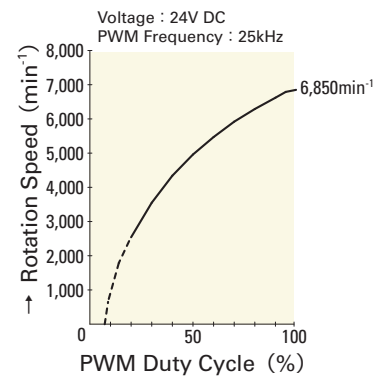
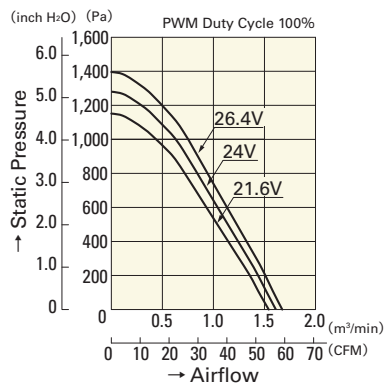
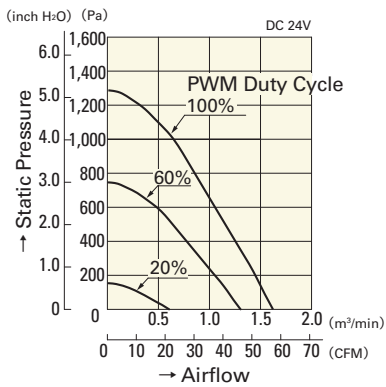
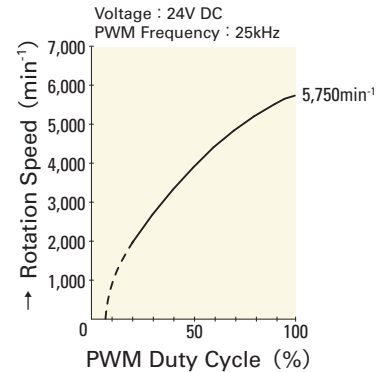
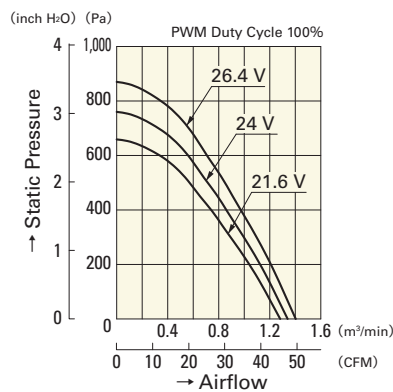
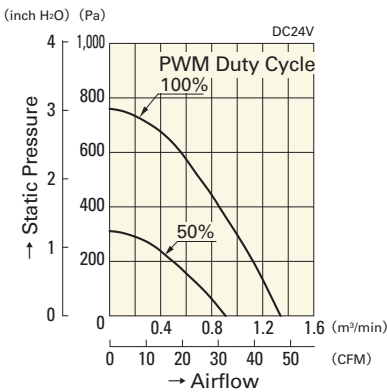
9BMB12P2S01



9BMB12P2H01

DC

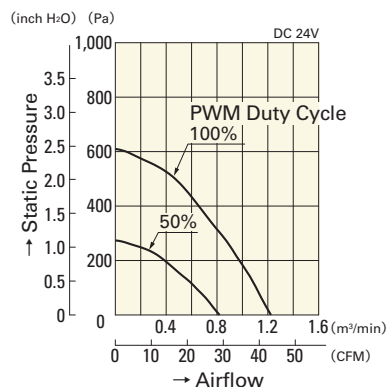
Blower 97mm

97mm**San Ace B97****97mm×33mm** [Mass : 190g]**Airflow - Static Pressure Characteristics****PWM Duty - Speed Characteristics Example****PWM Duty Cycle****Operating Voltage Range****9BMB12P2F01****9BMB24P2K01****9BMB24P2G01**

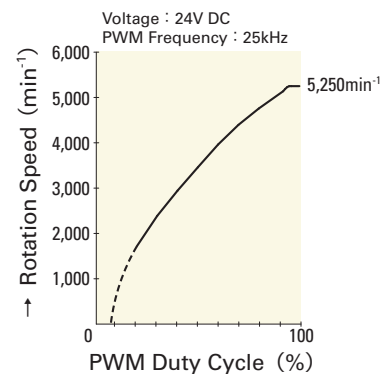
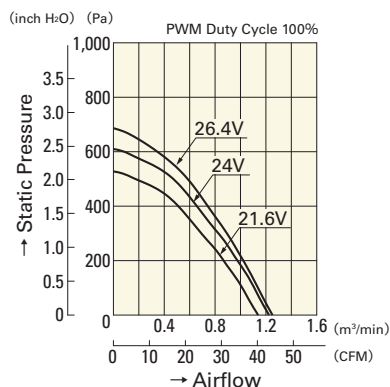
Airflow - Static Pressure Characteristics

PWM Duty - Speed Characteristics Example

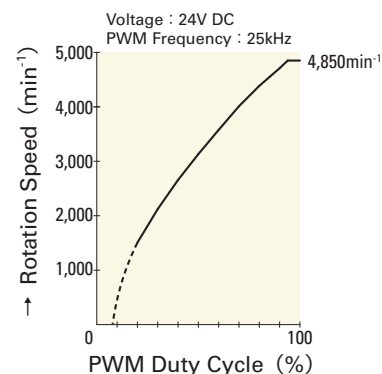
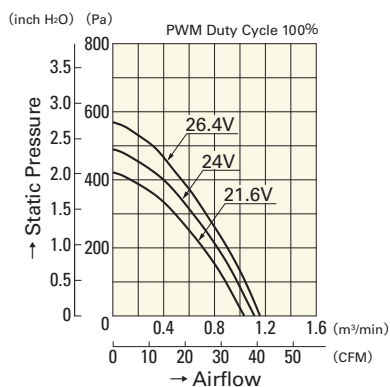
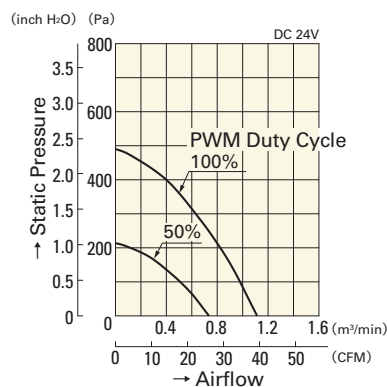
PWM Duty Cycle



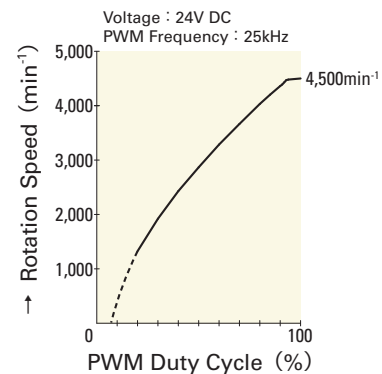
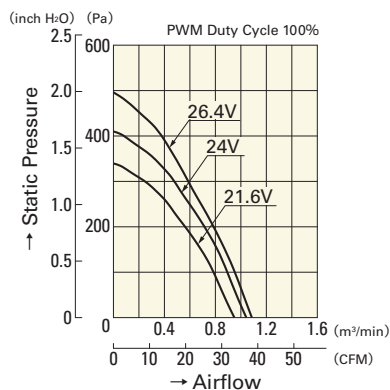
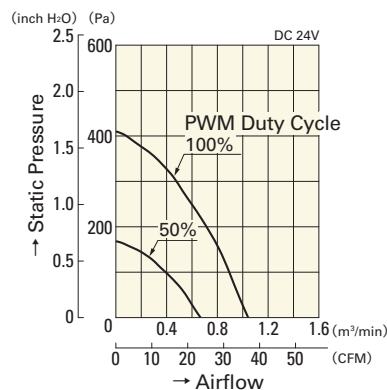
Operating Voltage Range



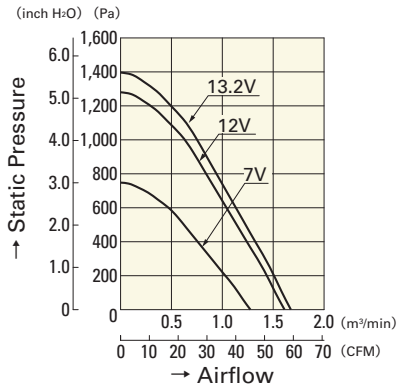
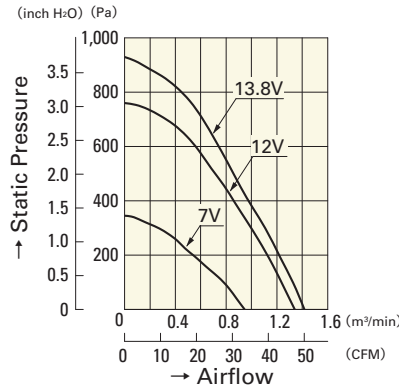
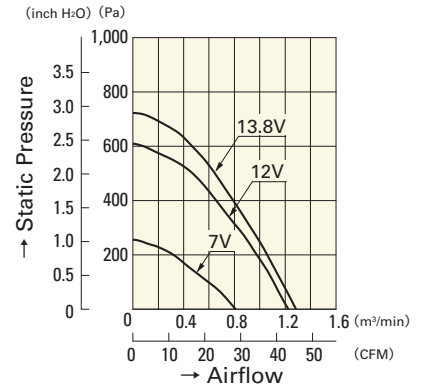
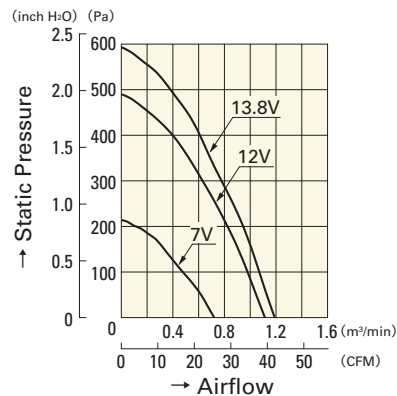
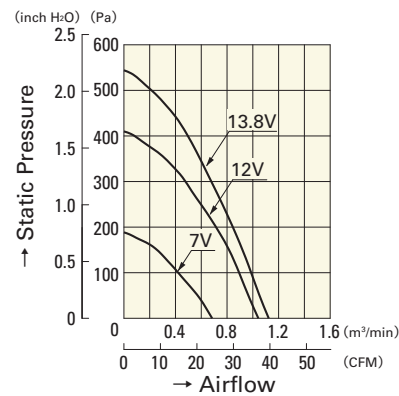
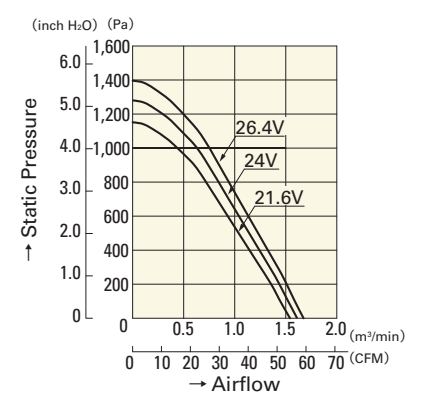
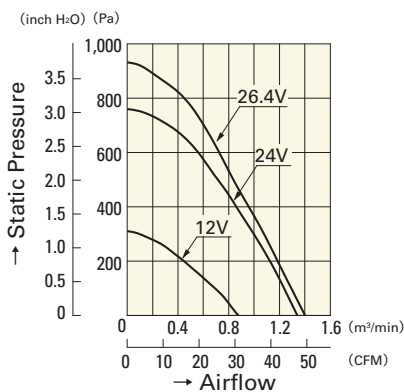
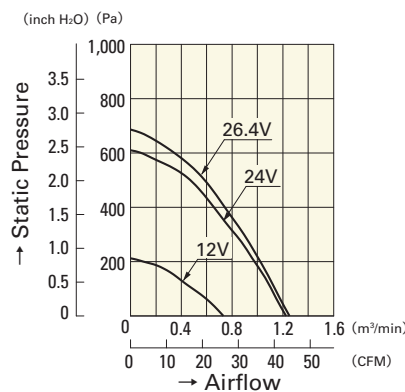
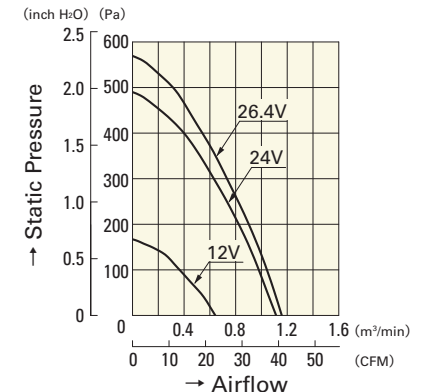
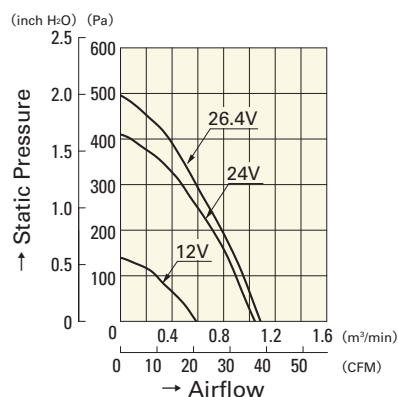
9BMB24P2S01



9BMB24P2H01



9BMB24P2F01

97mm**San Ace B97****97mm×33mm** [Mass : 190g]**Airflow - Static Pressure Characteristics****Operating Voltage Range****9BMB12K201****9BMB12G201****9BMB12S201****9BMB12H201****9BMB12F201****9BMB24K201****9BMB24G201****9BMB24S201****9BMB24H201****9BMB24F201**