

Blower

76×30 mm

San Ace B76 9BD type





General Specifications

- Material Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-1)
- Expected life See the table below. (L10 life: 90% survival rate for continuous operation in free air at 60°C, rated voltage)
- Motor protection function Locked rotor burnout protection, Reverse polarity protection
For details, please refer to p. 547.
- Dielectric strength 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance..... 10 MΩ or more with a 500 VDC megger (between lead wire conductors and frame)
- Sound pressure level (SPL) At 1 m away from the air inlet
- Storage temperature -30 to +70°C (Non-condensing)
- Lead wire ⊕Red ⊖Black or Blue Sensor Yellow
- Mass 100 g

Specifications

The models listed below **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]
109BD12HC2	12	10.2 to 13.8	0.37	4.44	3000	0.36	12.7	151.9	0.61	41.5	-20 to +60	40000/60°C
109BD12FC2			0.27	3.24	2600	0.31	10.9	98	0.394	37	-20 to +70	
109BD12MC2			0.14	1.68	2100	0.25	8.8	58.8	0.236	32.5	-20 to +70	
109BD24HC2	24	20.4 to 27.6	0.17	4.08	3000	0.36	12.7	151.9	0.61	41.5	-20 to +60	
109BD24FC2			0.14	3.36	2600	0.31	10.9	98	0.394	37	-20 to +70	
109BD24MC2			0.1	2.4	2100	0.25	8.8	58.8	0.236	32.5	-20 to +70	

The following sensor and control options are available for selection.

Available for all models. Without sensor Lock sensor

Differs according to the model. Refer to the table on p. 561. PWM control

Airflow - Static Pressure Characteristics

109BD12HC2

With pulse sensor

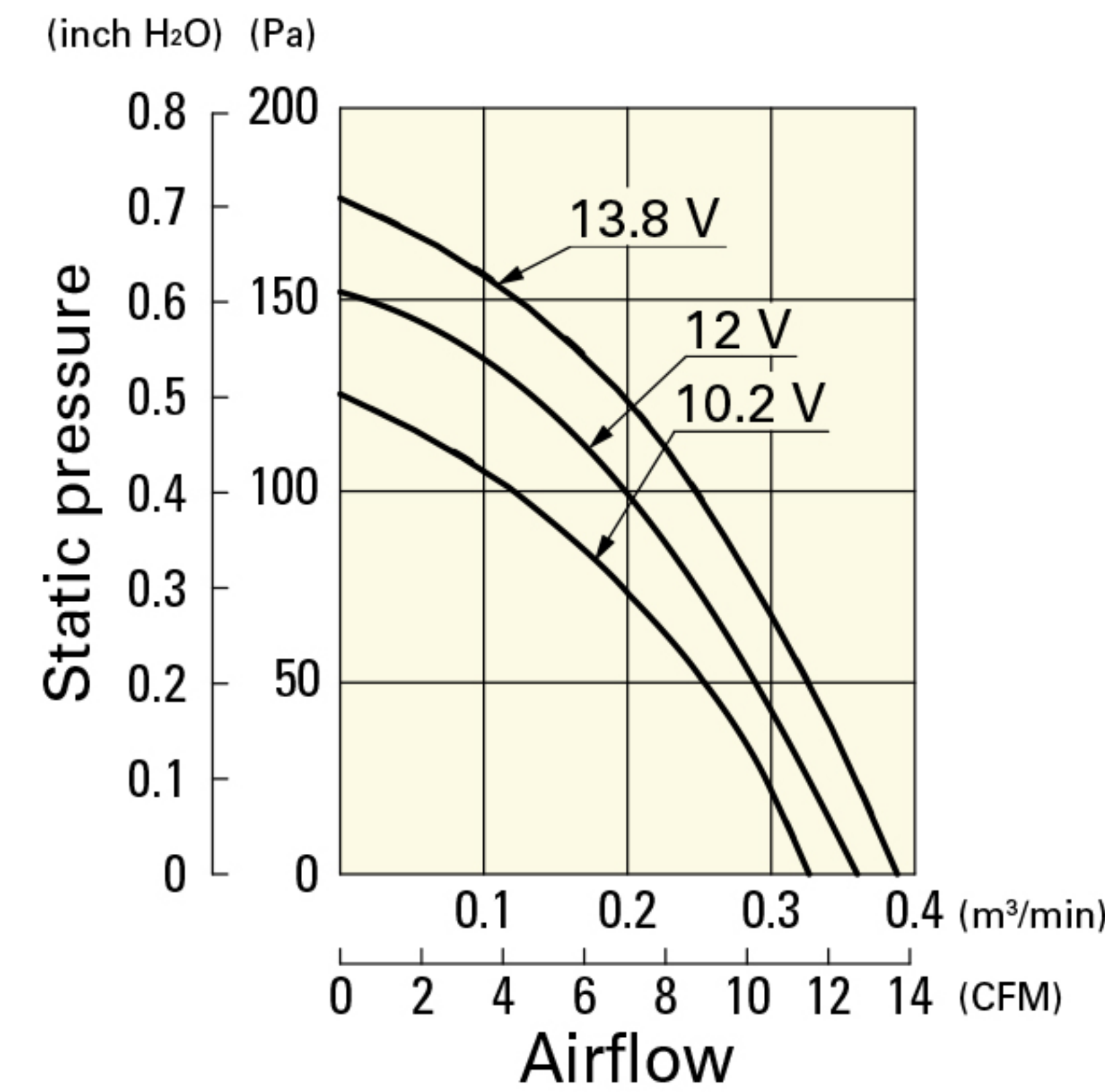
109BD12FC2

With pulse sensor

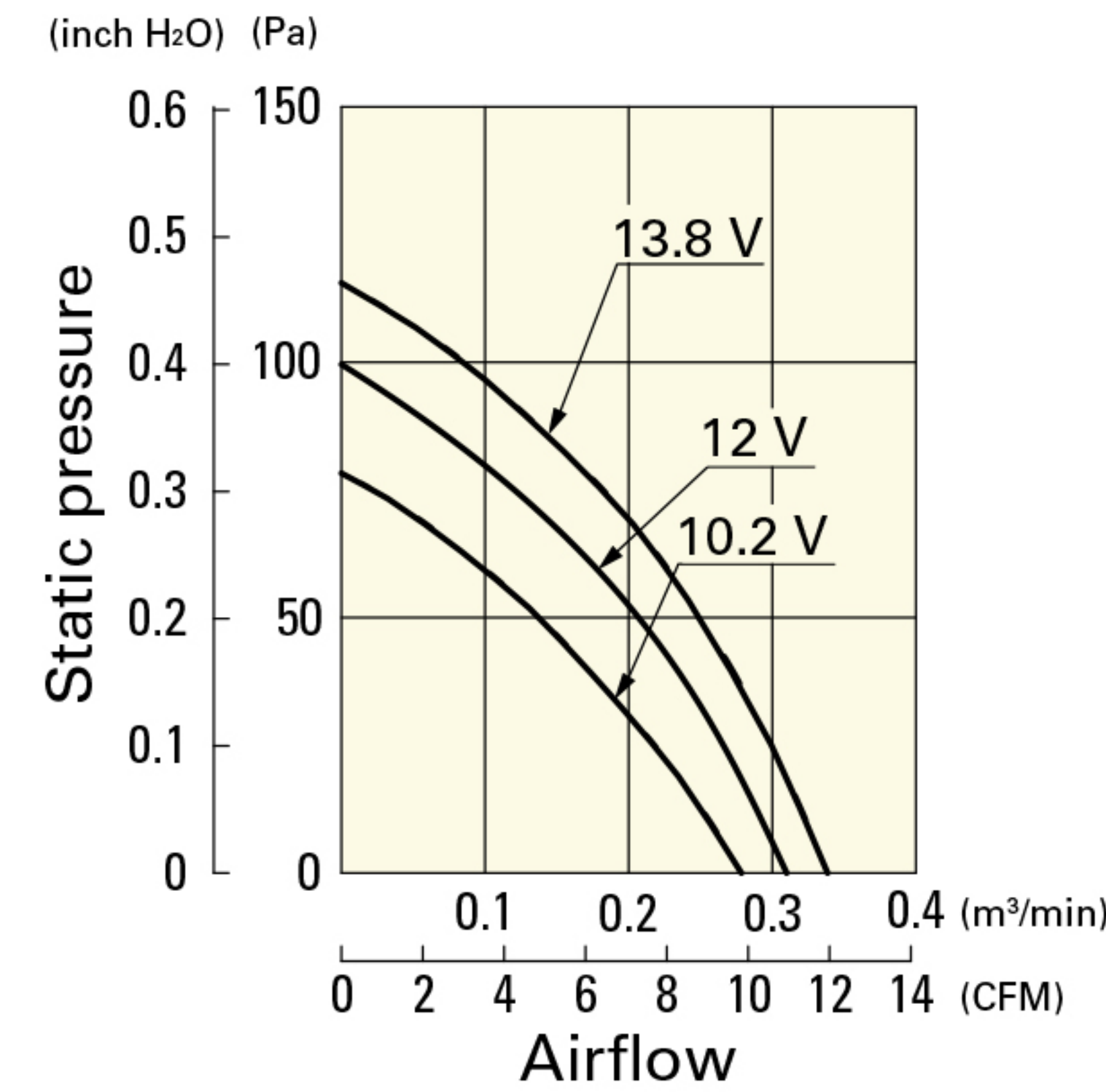
109BD12MC2

With pulse sensor

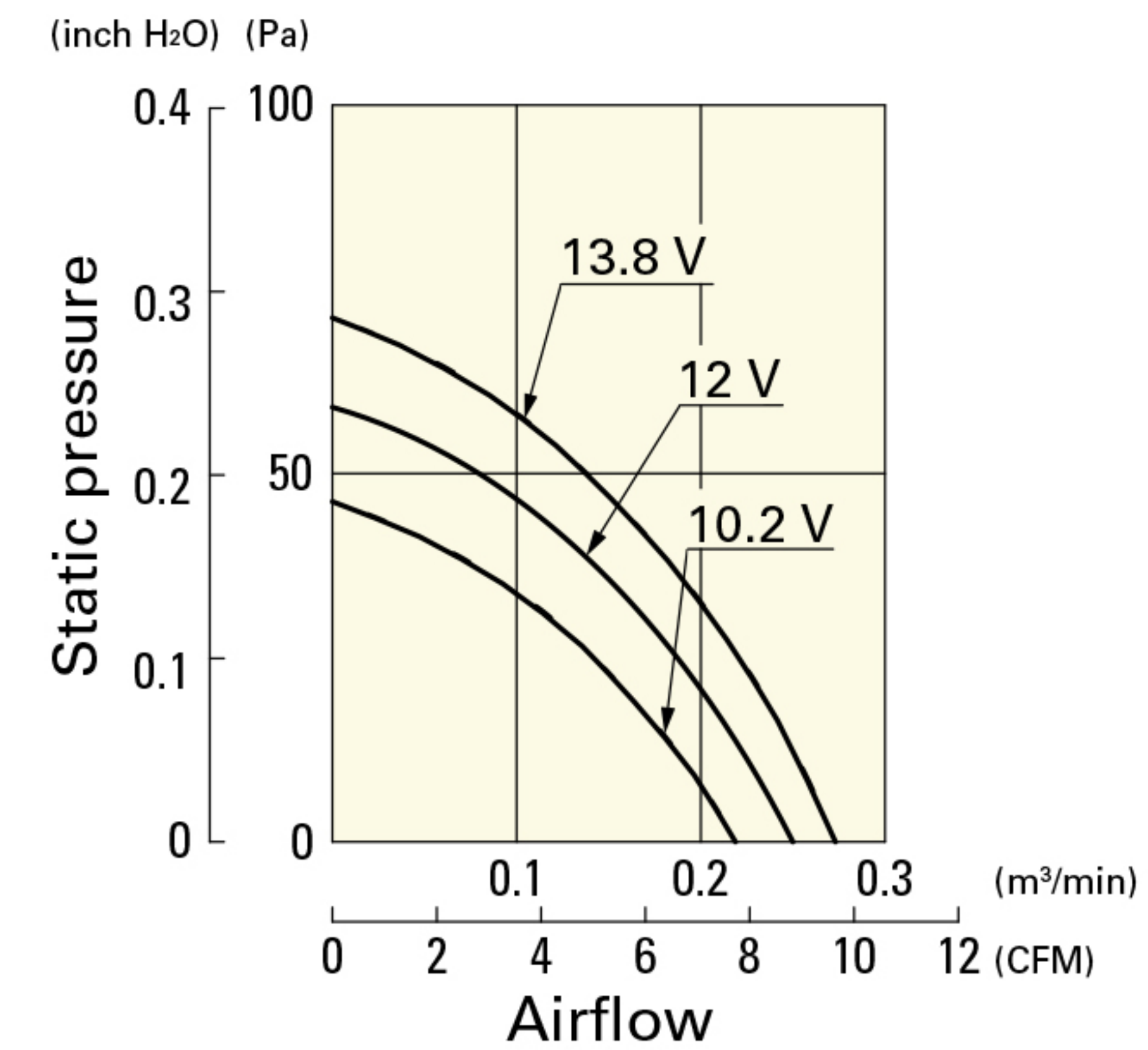
Operating voltage range



Operating voltage range



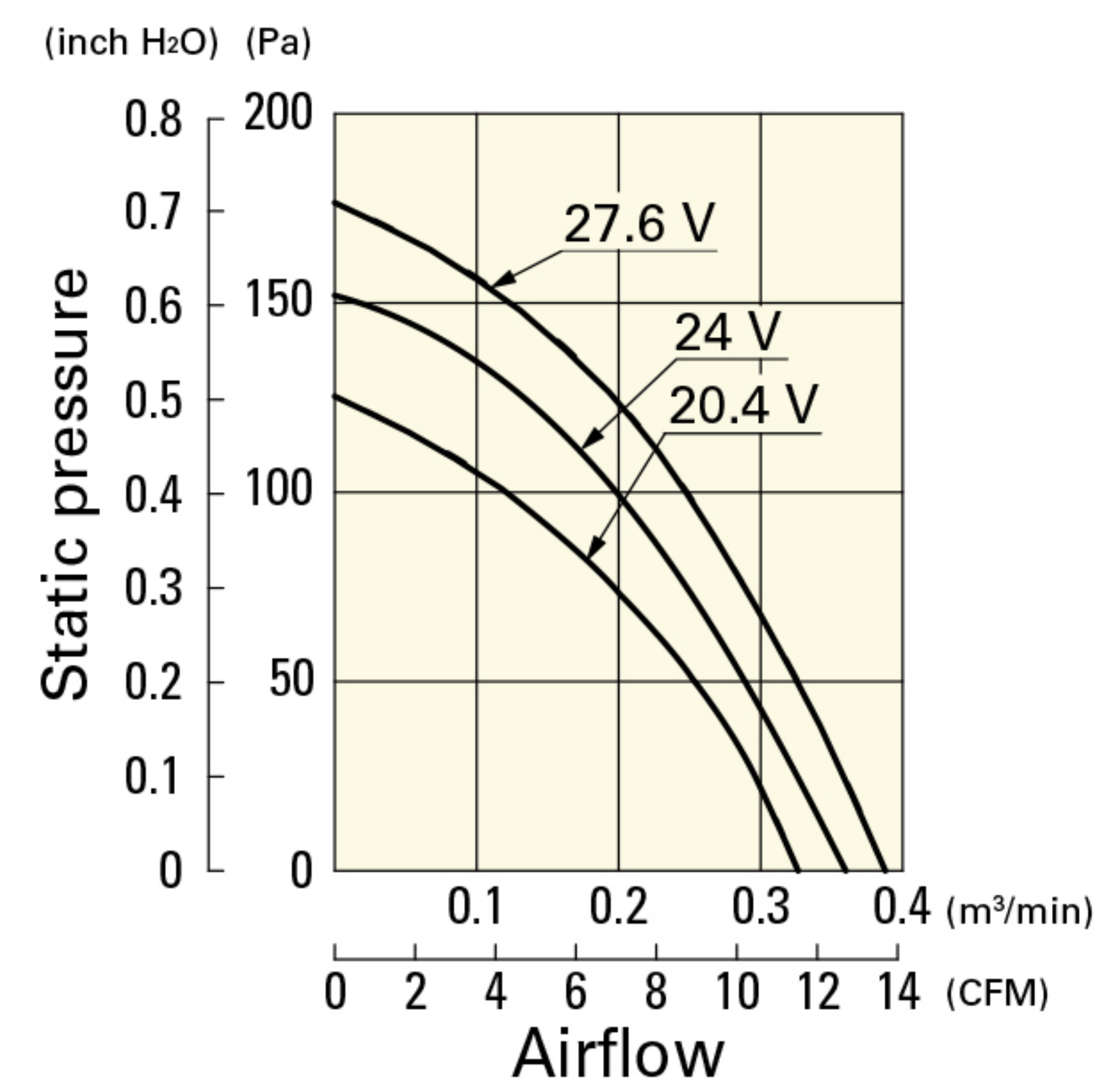
Operating voltage range



Airflow - Static Pressure Characteristics

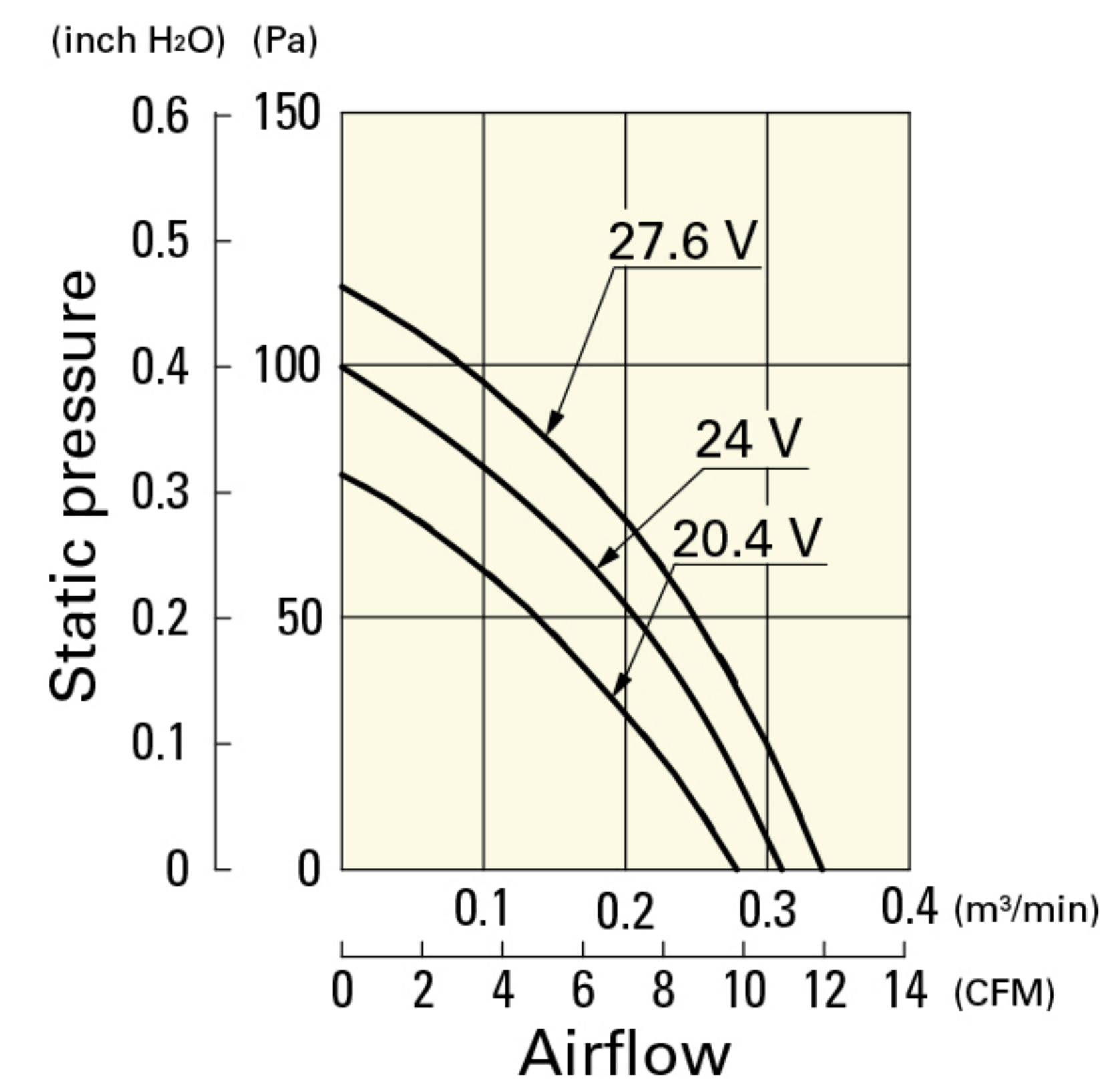
109BD24HC2 With pulse sensor

Operating voltage range



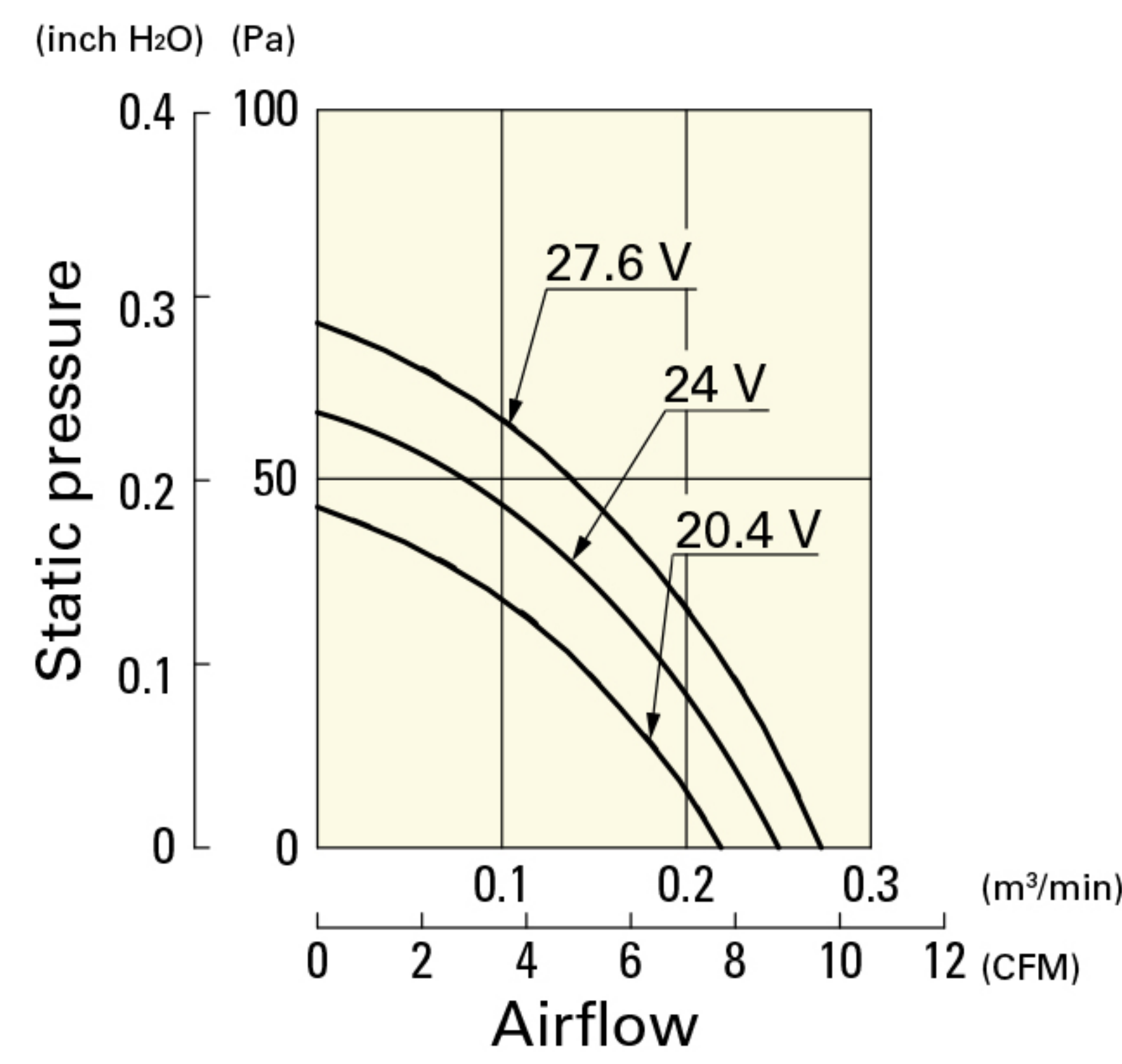
109BD24FC2 With pulse sensor

Operating voltage range



109BD24MC2 With pulse sensor

Operating voltage range



Dimensions (unit: mm)

