



120×120×38 mm

San Ace 120W 9WV type  

General Specifications

- Material Frame: Aluminum (Black coating), Impeller: Plastic (Flammability: UL 94V-1)
- Expected life See the table below. (L10 life: 90% survival rate for continuous operation in indoor 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 Sensor Yellow Control Brown
- Mass 440 g
- Ingress protection IP68

Specifications

The models listed below **have pulse sensors with PWM control function.**

Model no.	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle* [%]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
9WV1212P1J001	12	10.2 to 13.8	100	3	36	6400	6.35 224.0	360 1.45	64	-20 to +70	60000/60°C
			0	0.2	2.4	1500	1.49 52.6	19.8 0.08	33		
9WV1224P1J601	24	20.4 to 27.6	100	1.5	36	6400	6.35 224.0	360 1.45	64		
			0	0.12	2.88	1500	1.49 52.6	26.1 0.105	33		
9WV1224P1H001**			100	0.8	19.2	5200	5.16 182	237 0.95	58		
9WV1248P1J001	48	40.8 to 55.2	100	0.65	31.2	6400	6.35 224.0	360 1.45	64		
			0	0.06	2.88	1500	1.49 52.6	26.1 0.105	33		

* PWM frequency: 25 kHz ** Fan does not rotate when PWM duty cycle is 0%.

The following sensor and control options are available for selection.

Available for all models. Without sensor

Differs according to the model. Refer to the table on p. 581. Pulse sensor Lock sensor

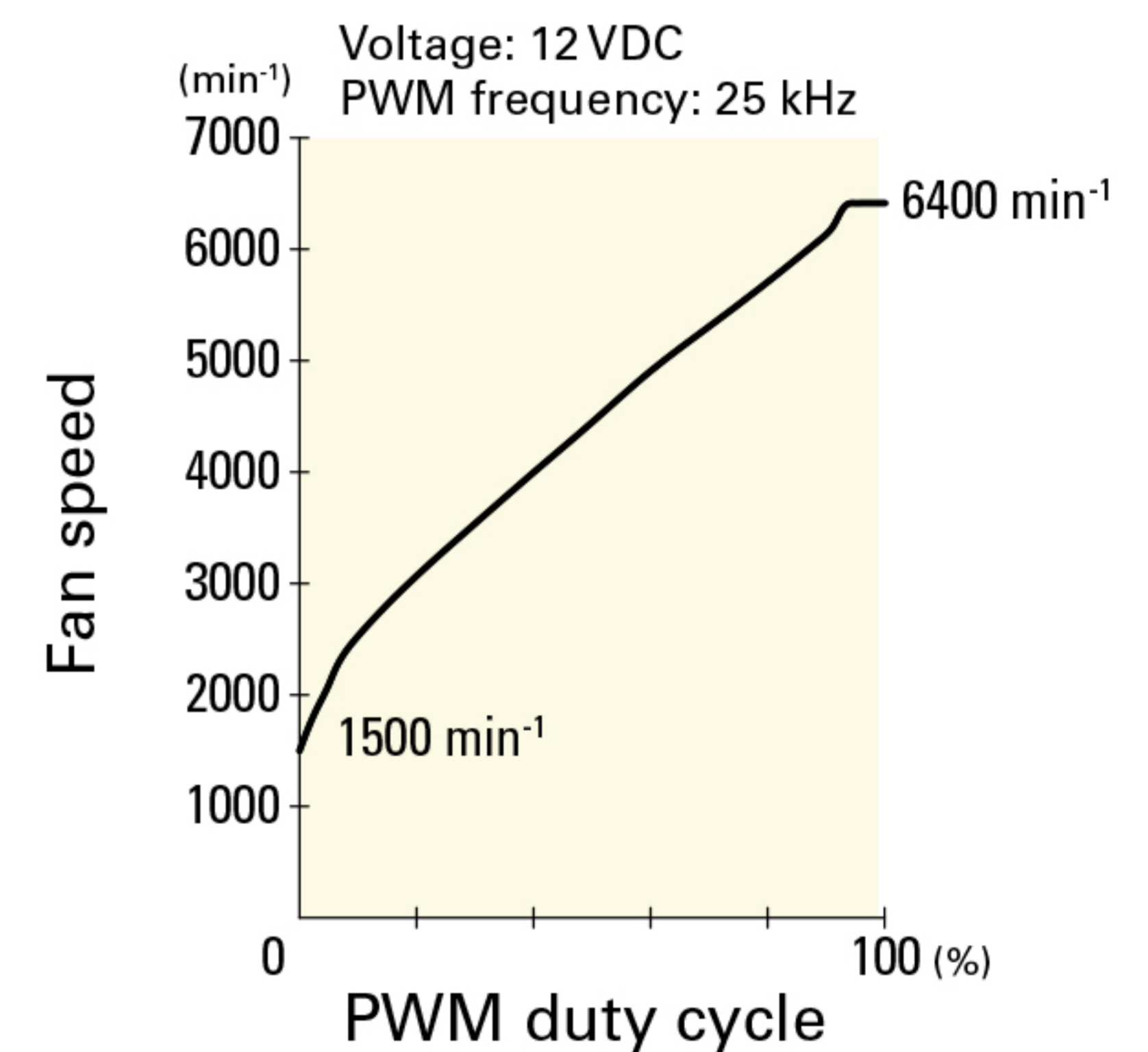
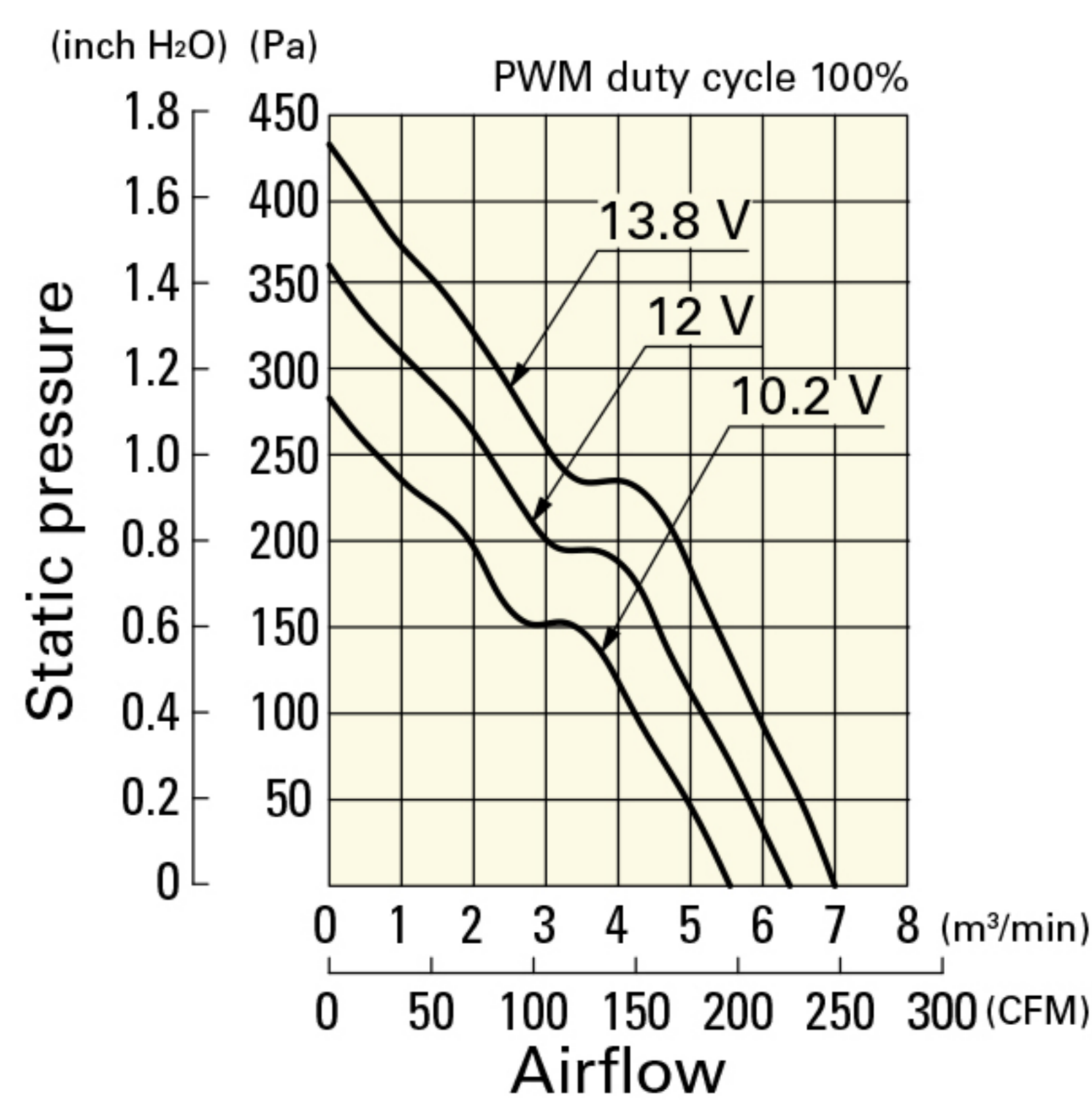
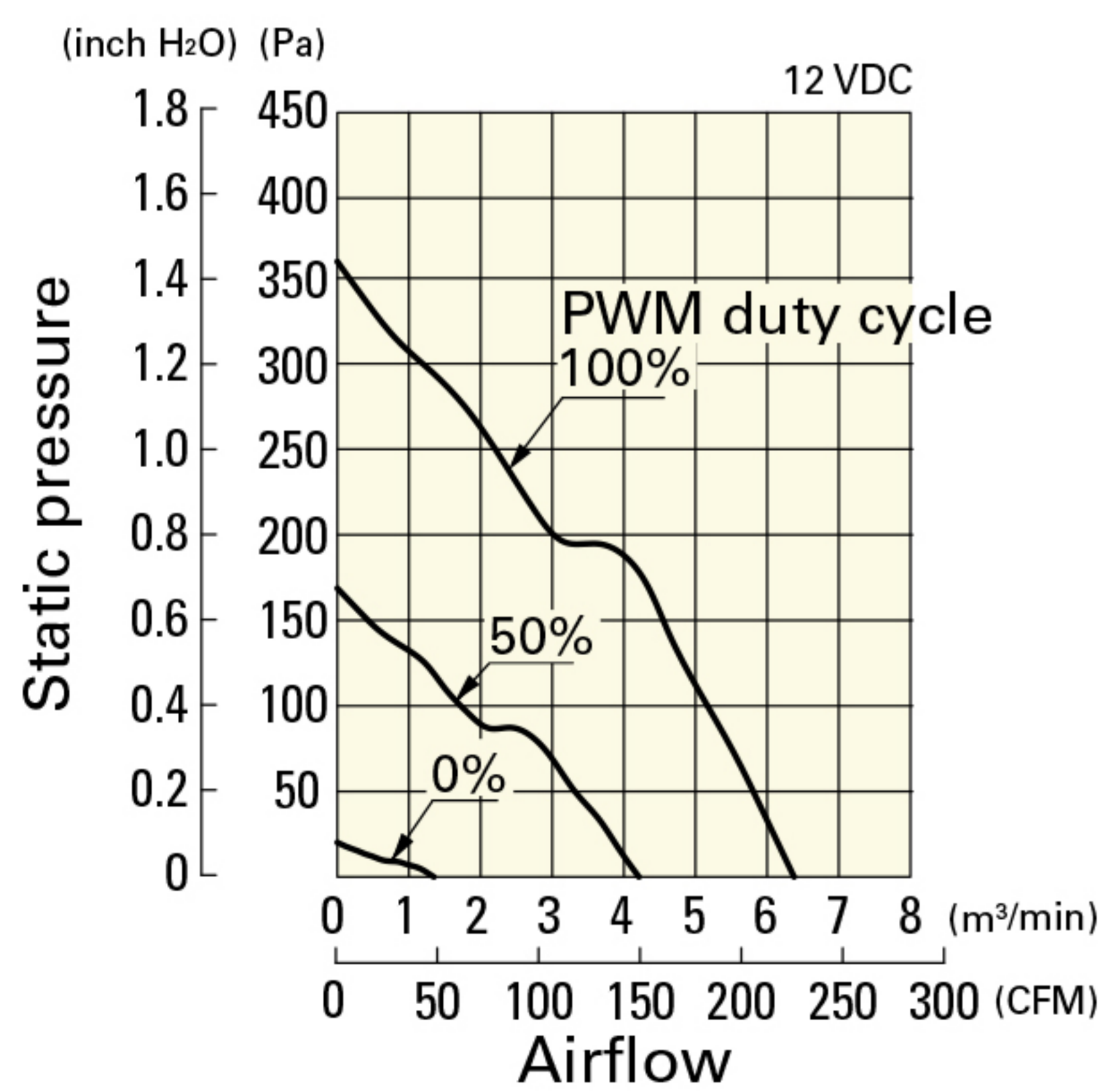
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9WV1212P1J001 With pulse sensor with PWM control function

PWM duty cycle

Operating voltage range

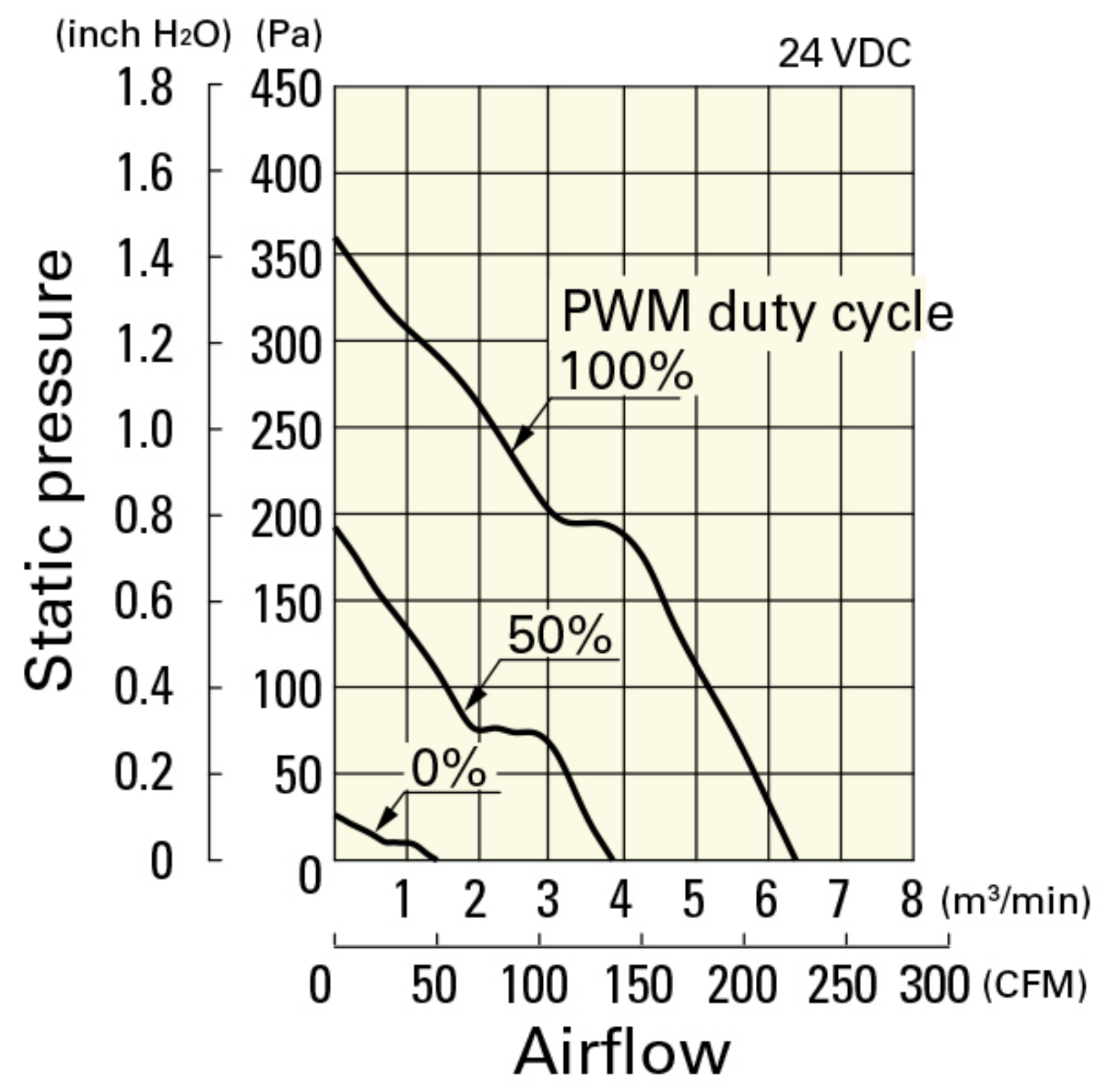
PWM duty - Speed characteristics example



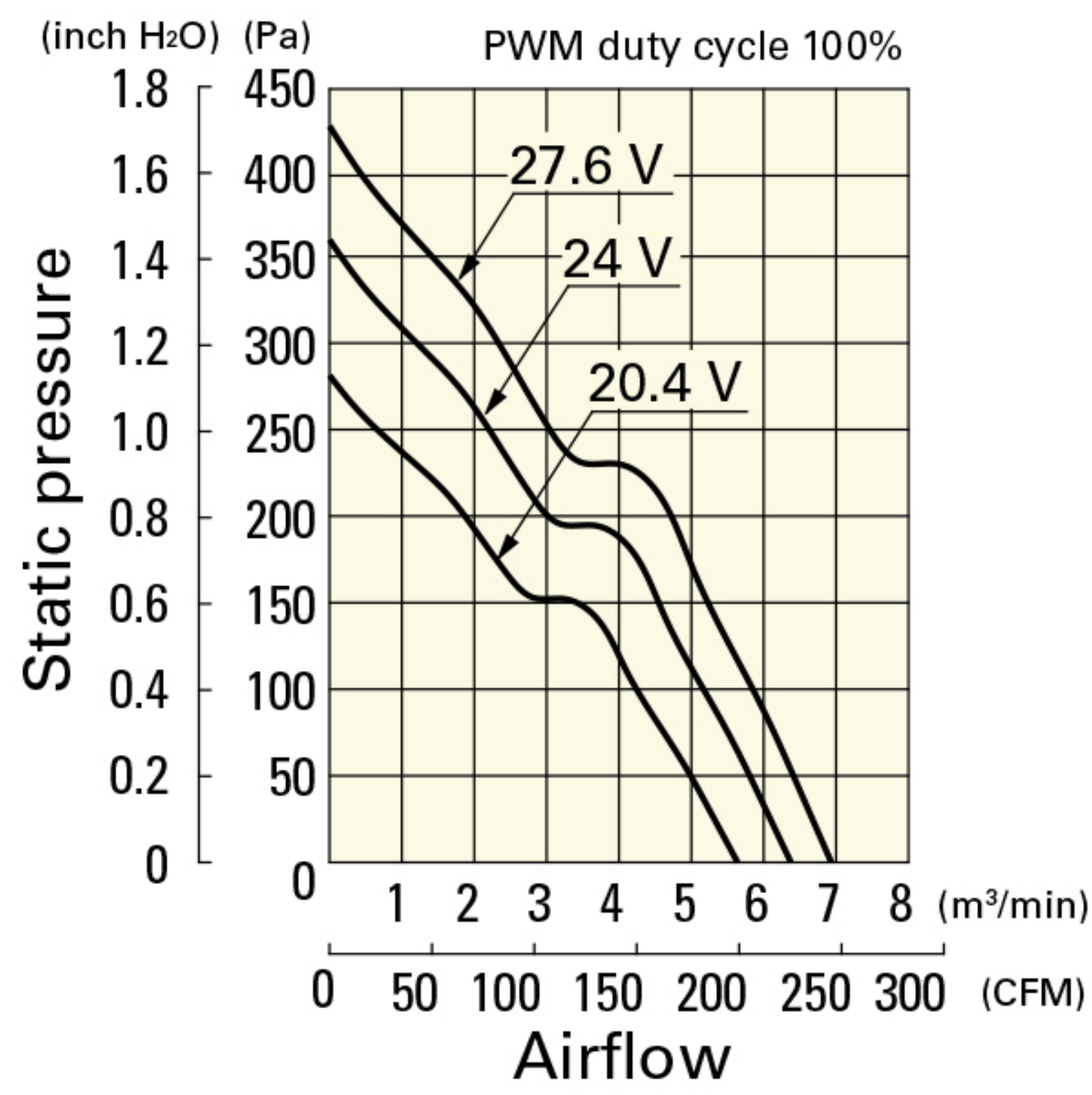
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9WV1224P1J601 With pulse sensor with PWM control function

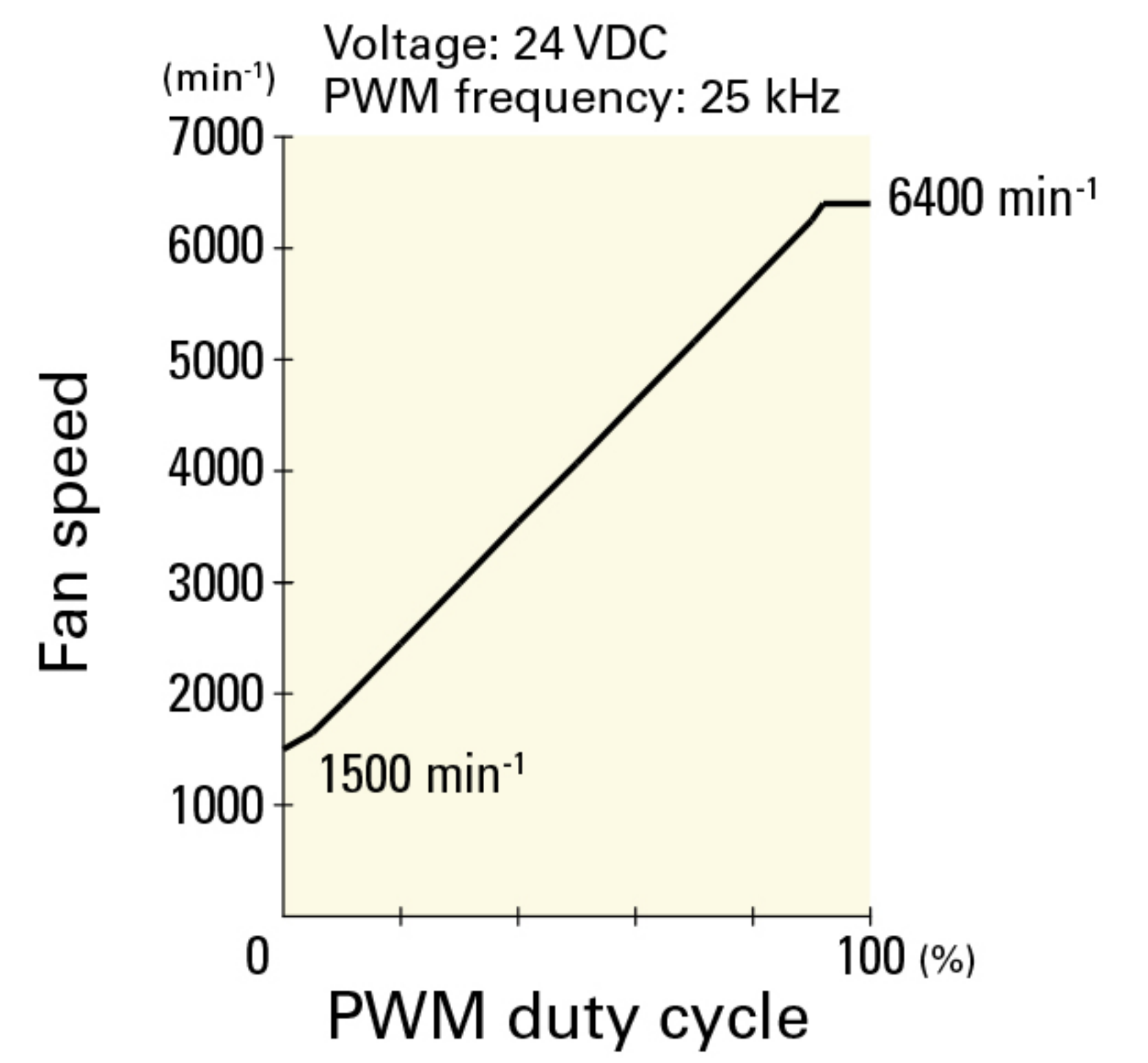
PWM duty cycle



Operating voltage range

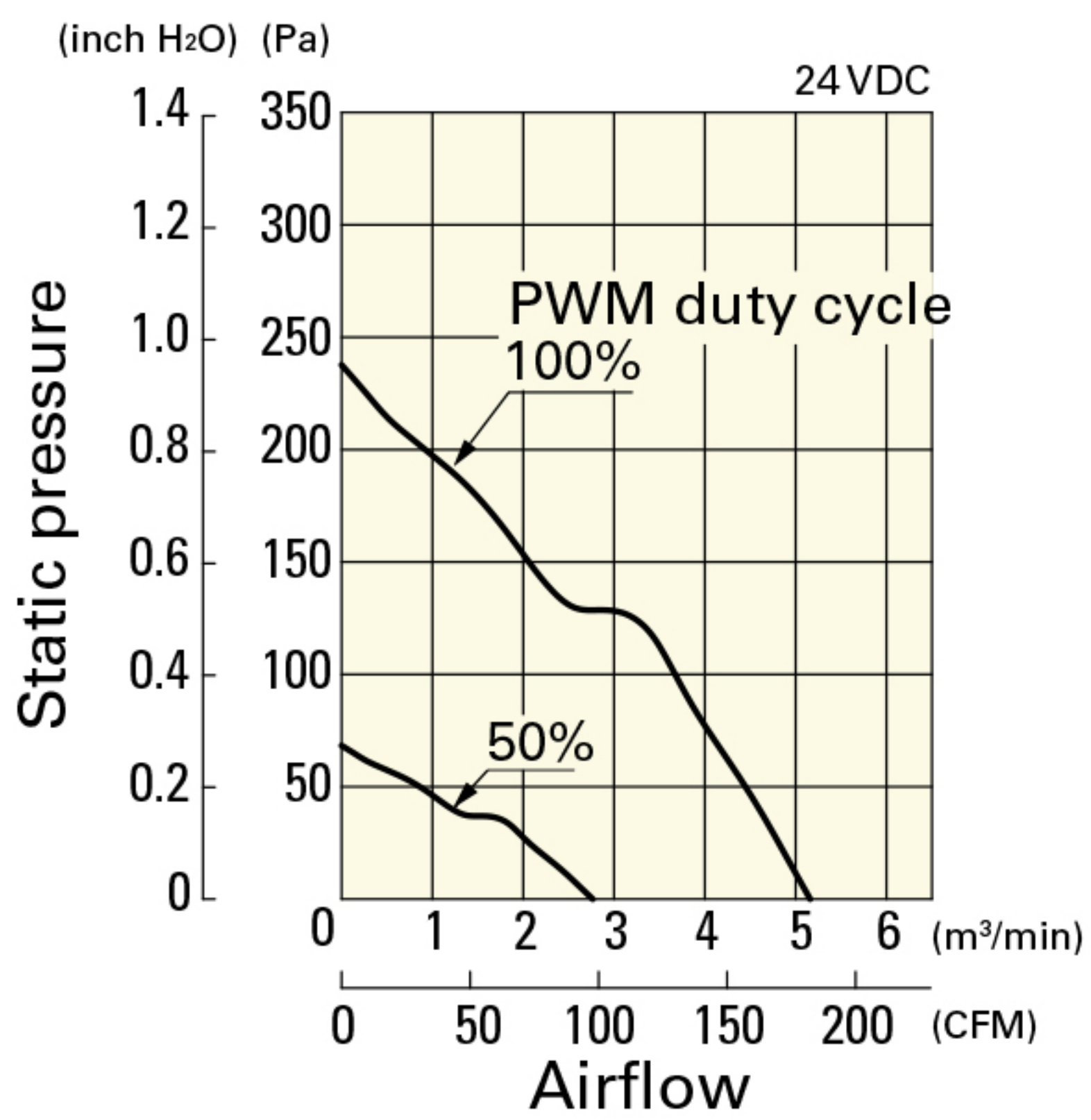


PWM duty - Speed characteristics example

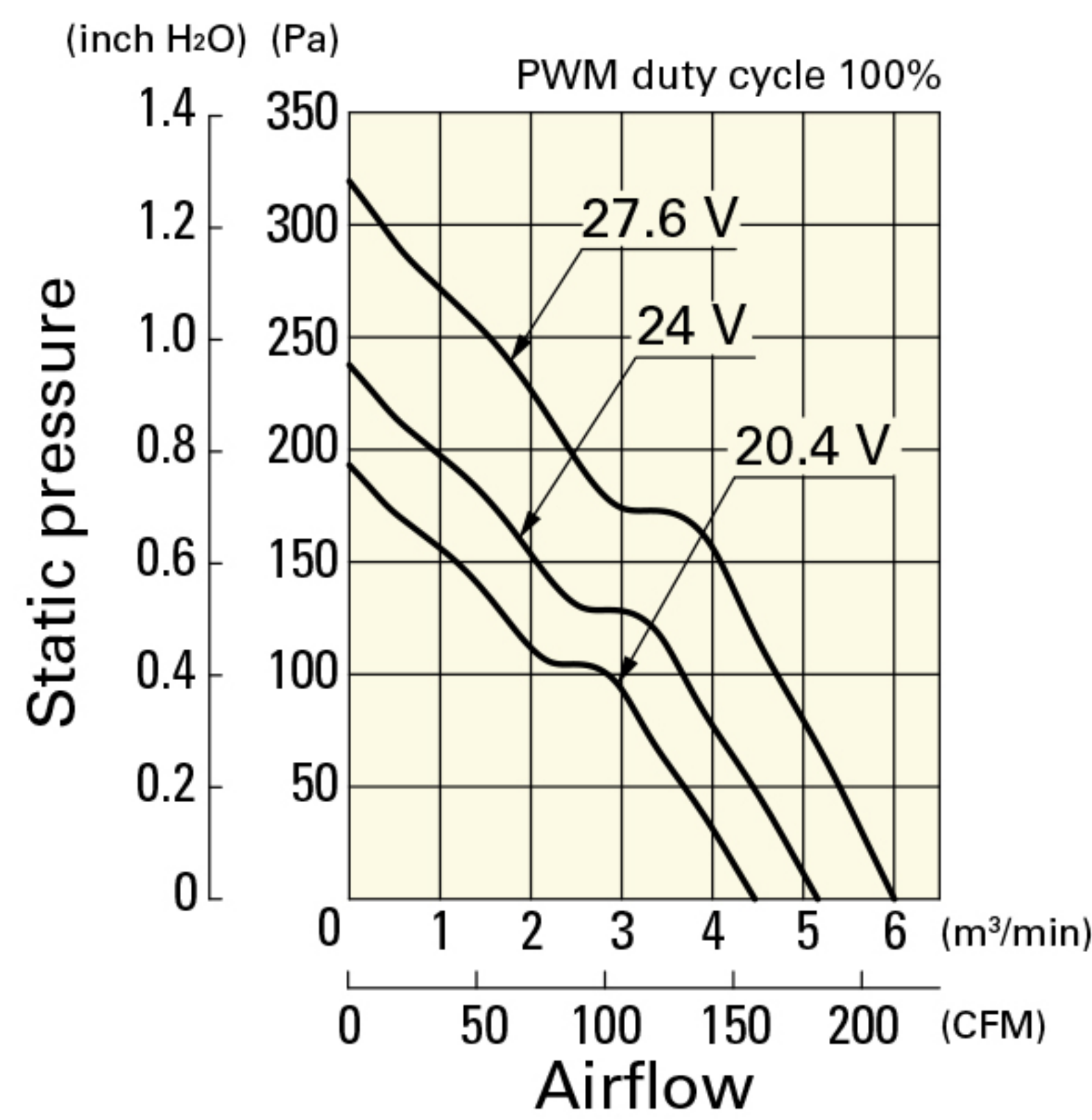


9WV1224P1H001 With pulse sensor with PWM control function

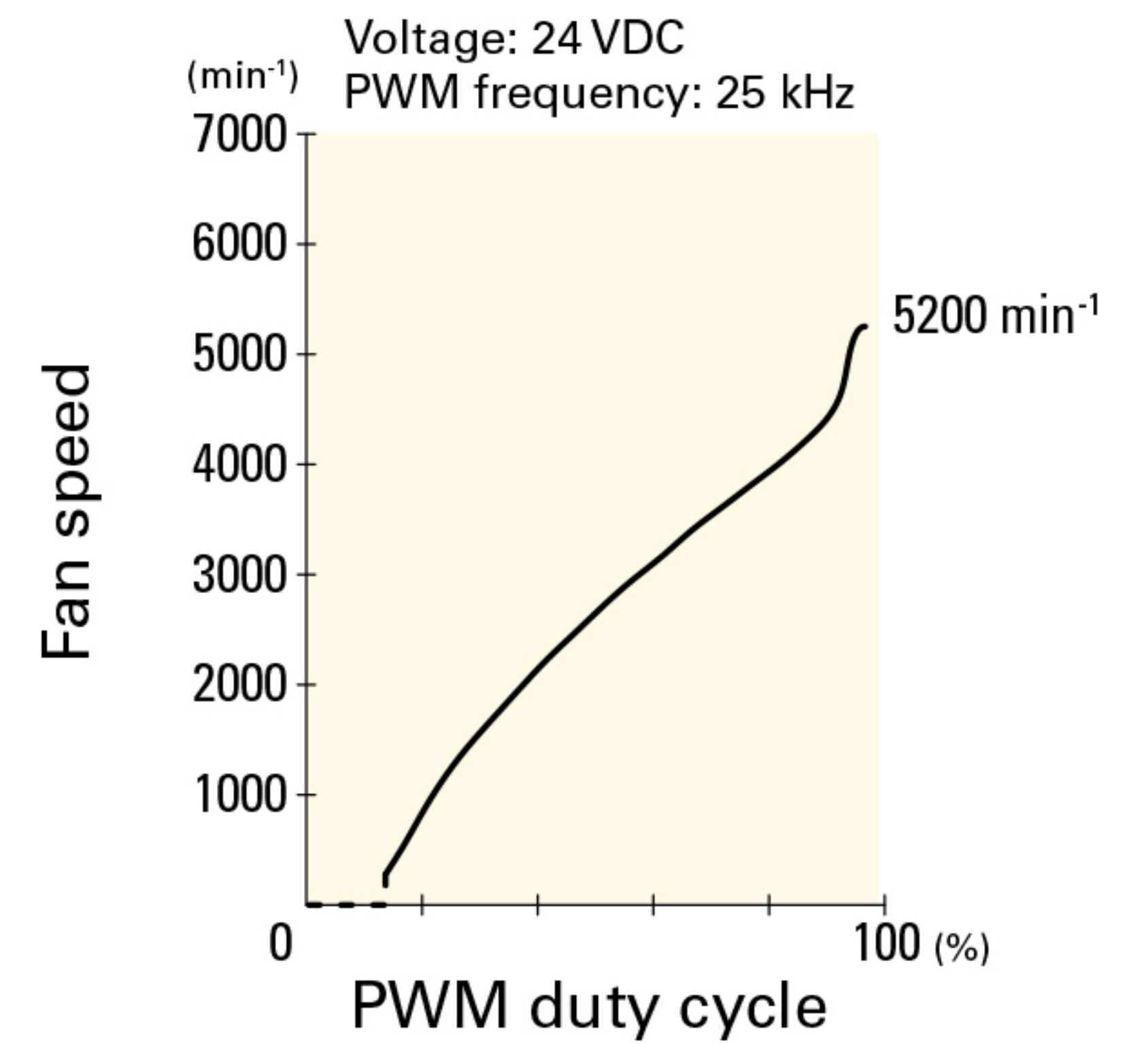
PWM duty cycle



Operating voltage range

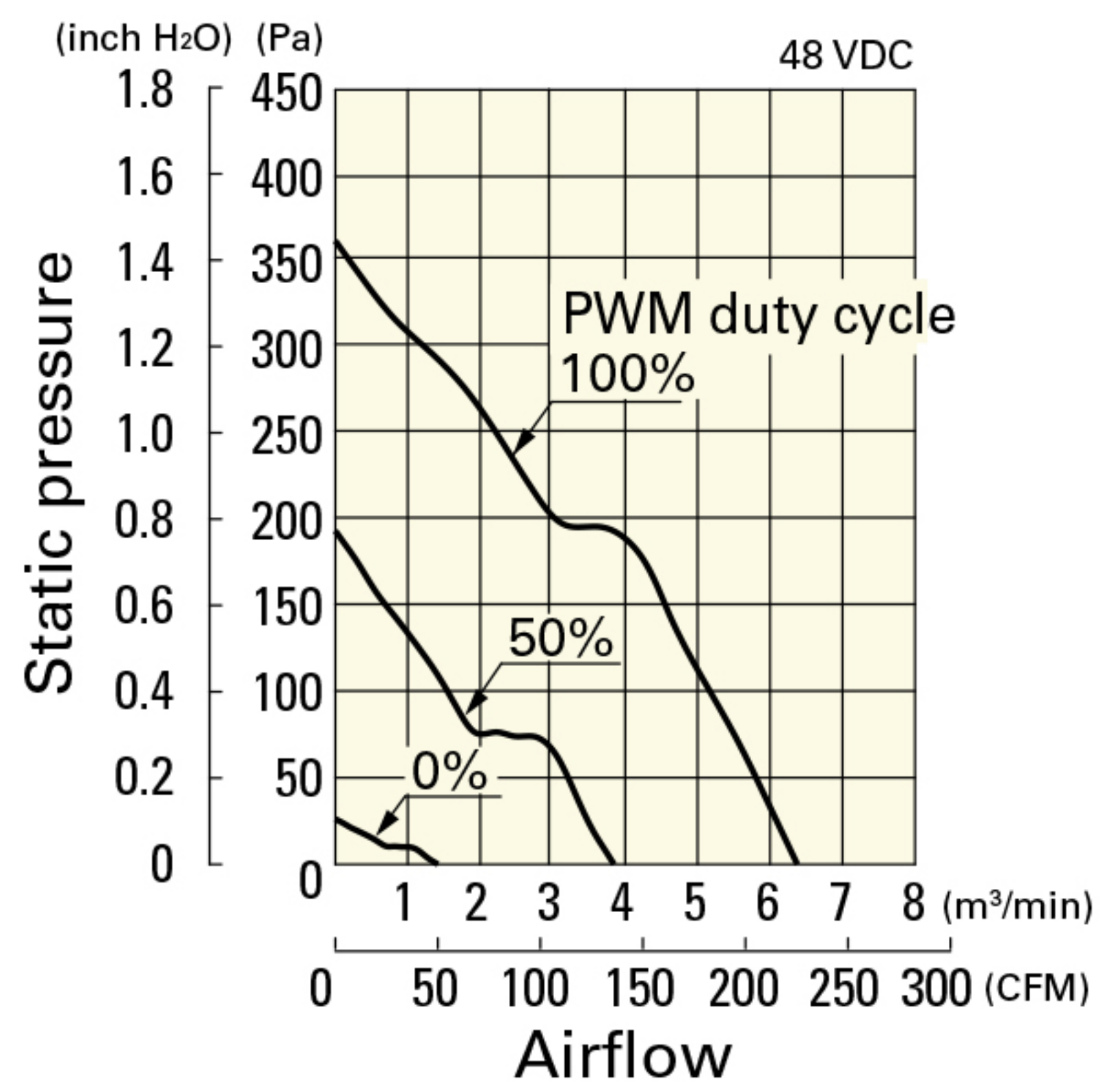


PWM duty - Speed characteristics example

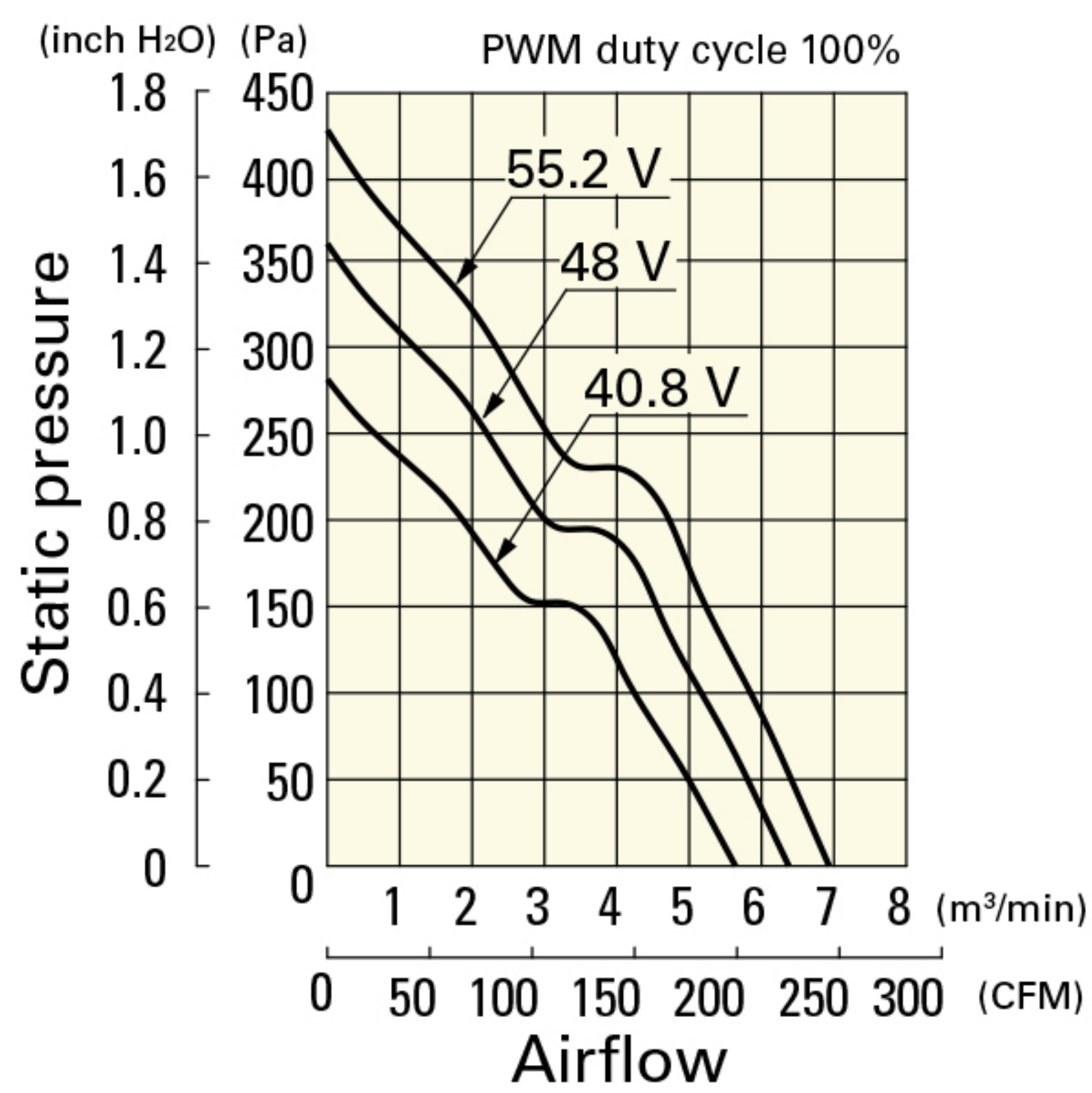


9WV1248P1J001 With pulse sensor with PWM control function

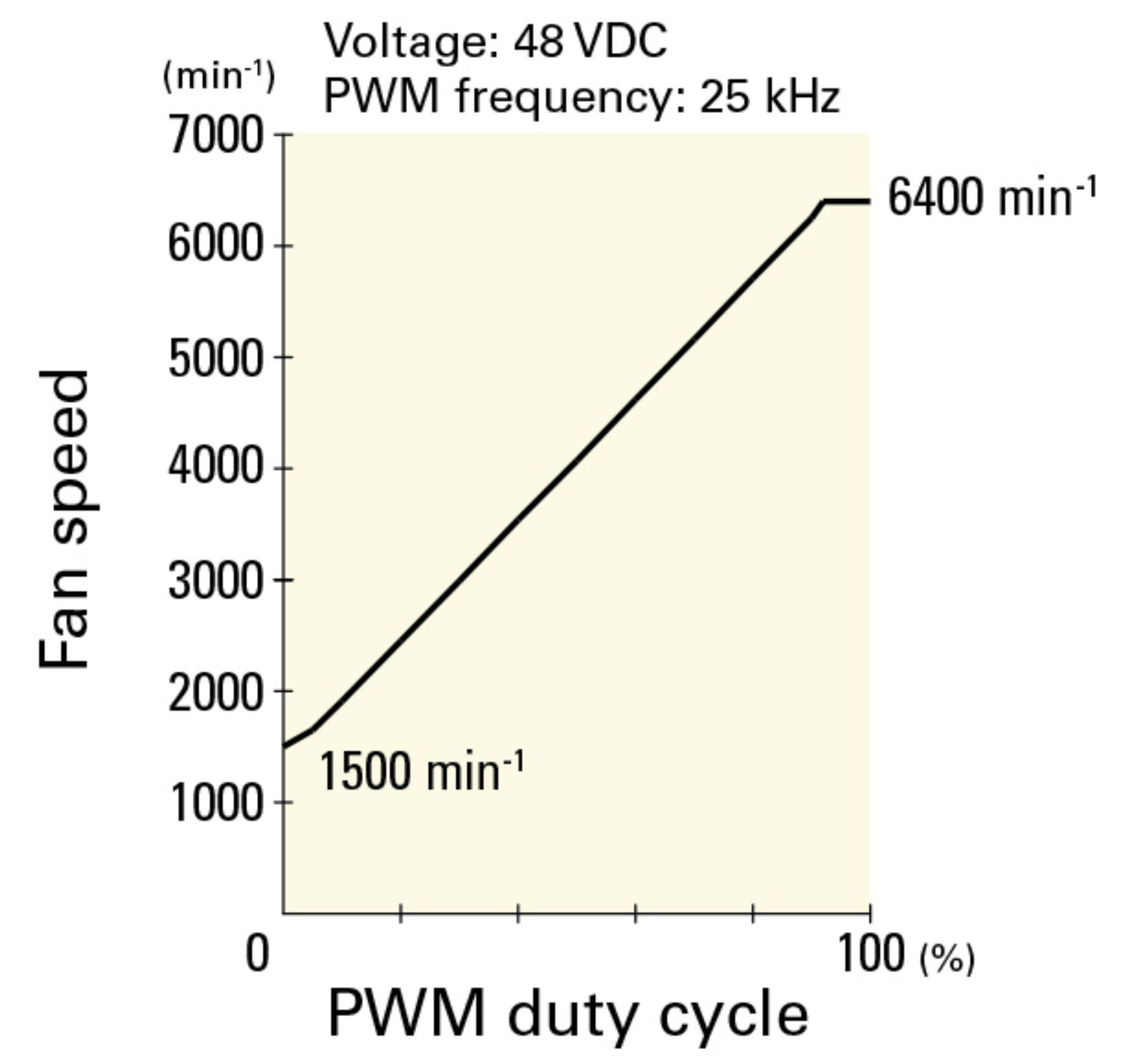
PWM duty cycle



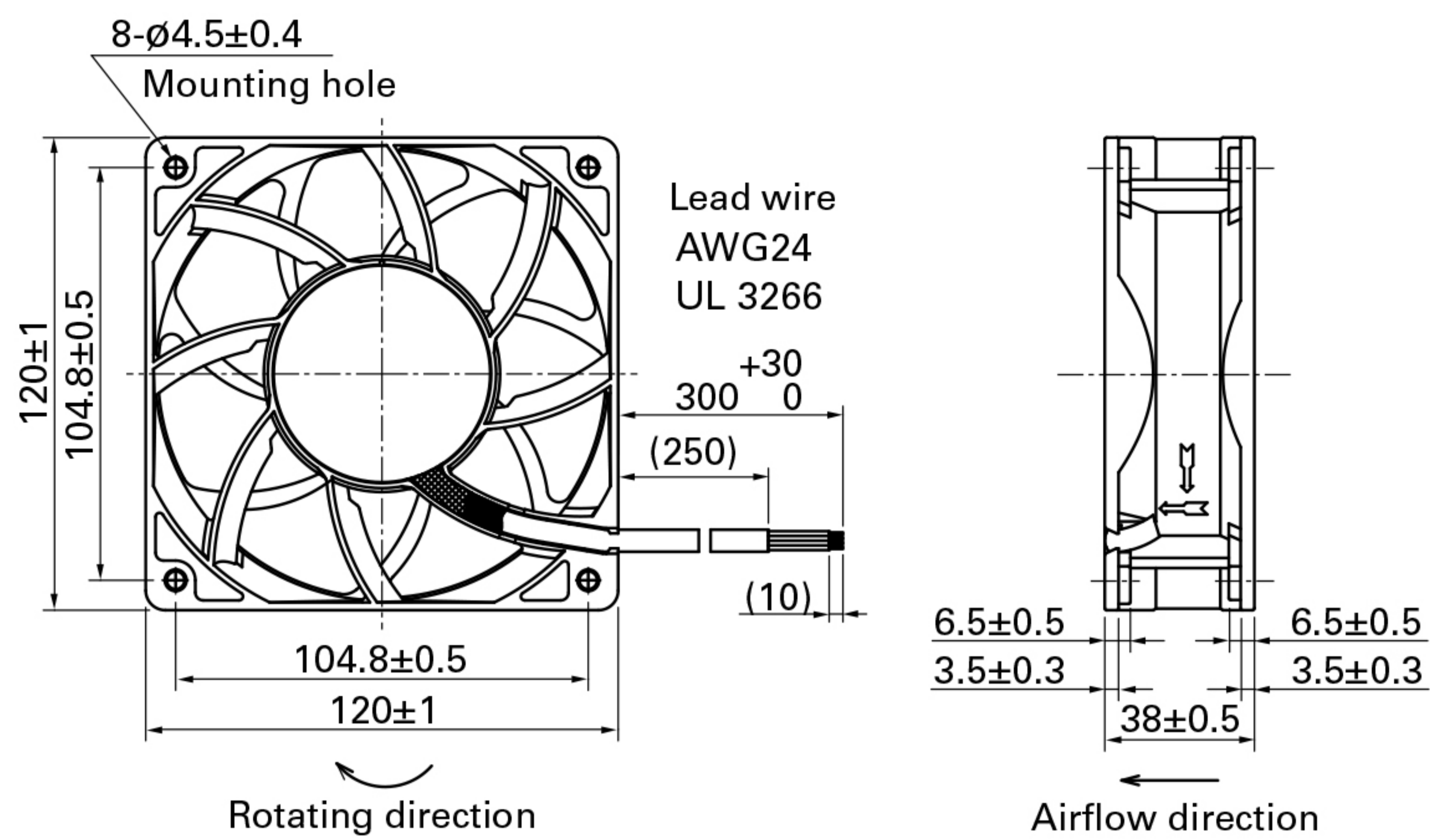
Operating voltage range



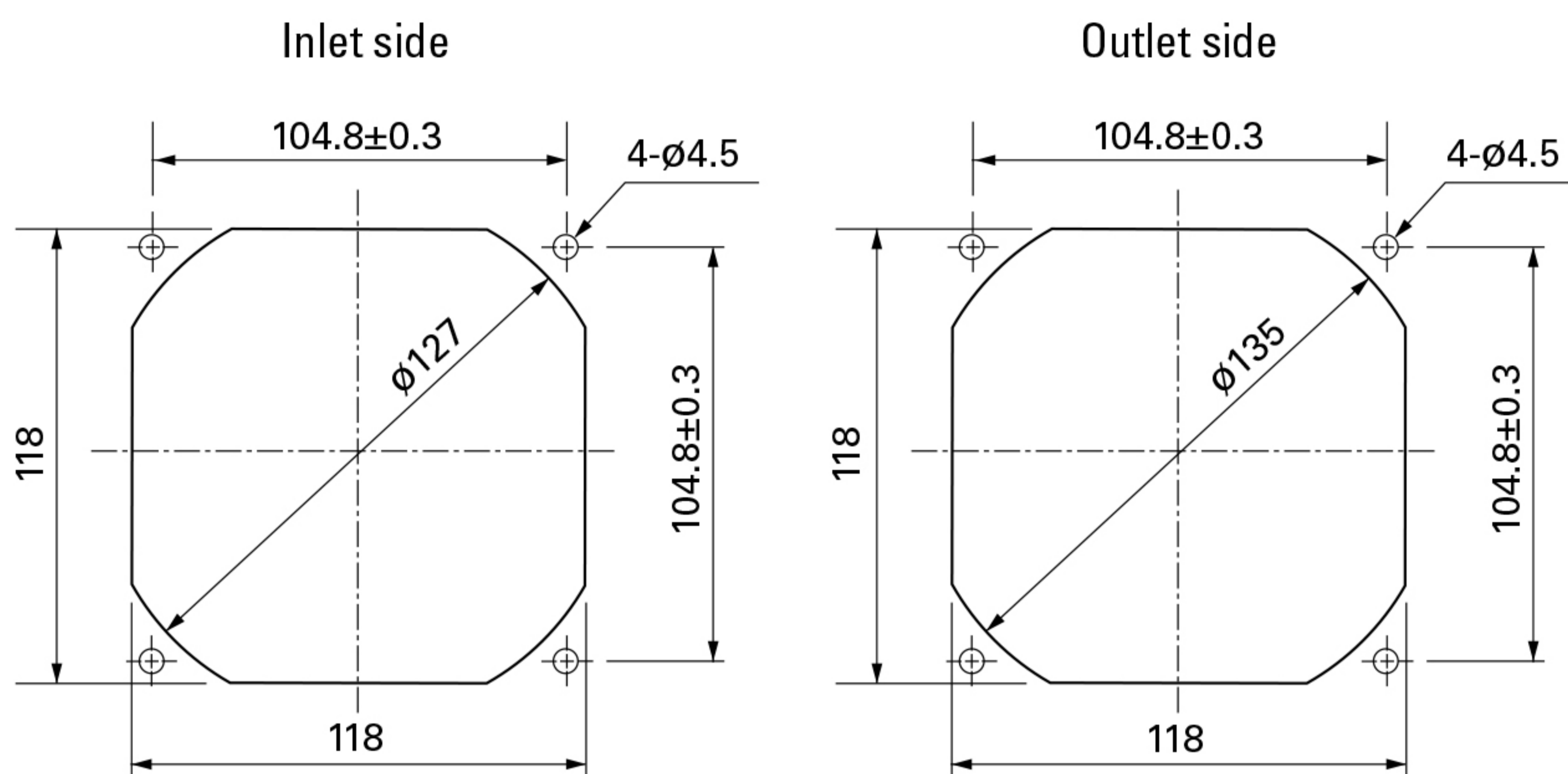
PWM duty - Speed characteristics example



Dimensions (unit: mm)



Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)



Options

Finger guards

page: p. 533

Model no.: 109-019E, 109-019K, 109-019C, 109-019H

Resin finger guards

page: p. 539

Model no.: 109-1000G