

**SANYO DENKI**



# San Ace 80

High Performance Fan (9HVB Type)

80 mm sq. × 38mm thickness

October 22nd, 2020

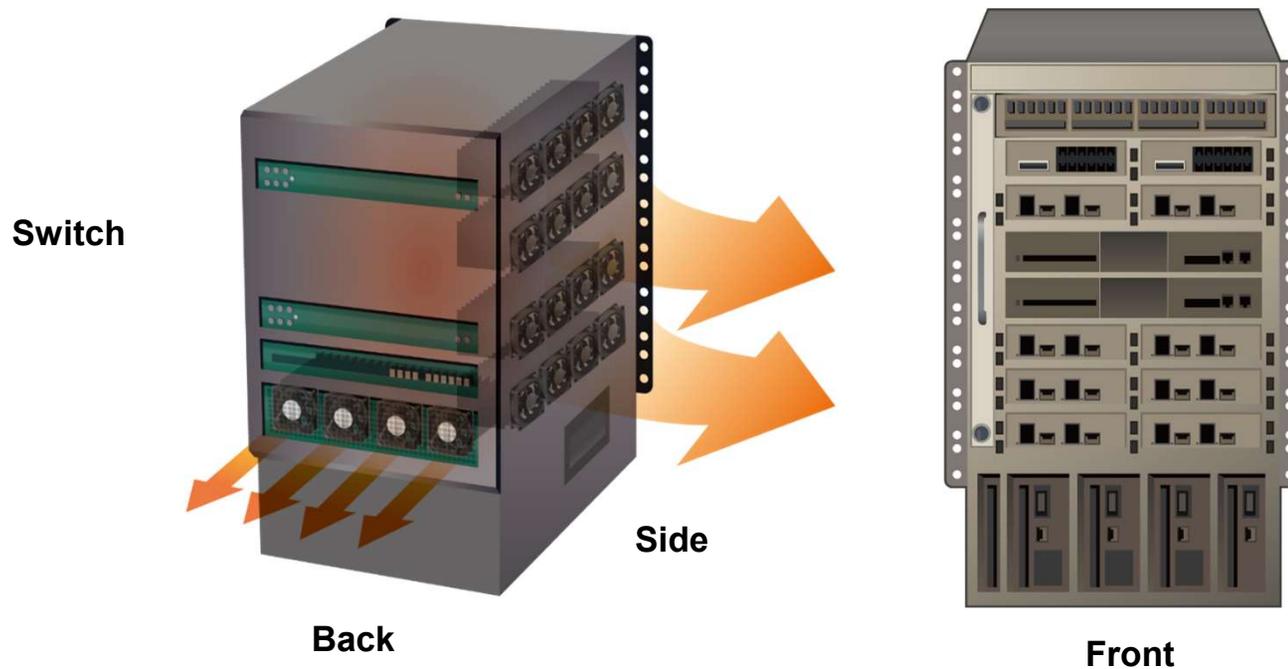
Cooling Systems Division  
Sanyo Denki *America, Inc.*

[www.sanyodenki.com/america](http://www.sanyodenki.com/america)

# Products Highlights

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- High Static pressure and High Airflow
- Energy-saving
- Target applications: servers, storage devices, and routers

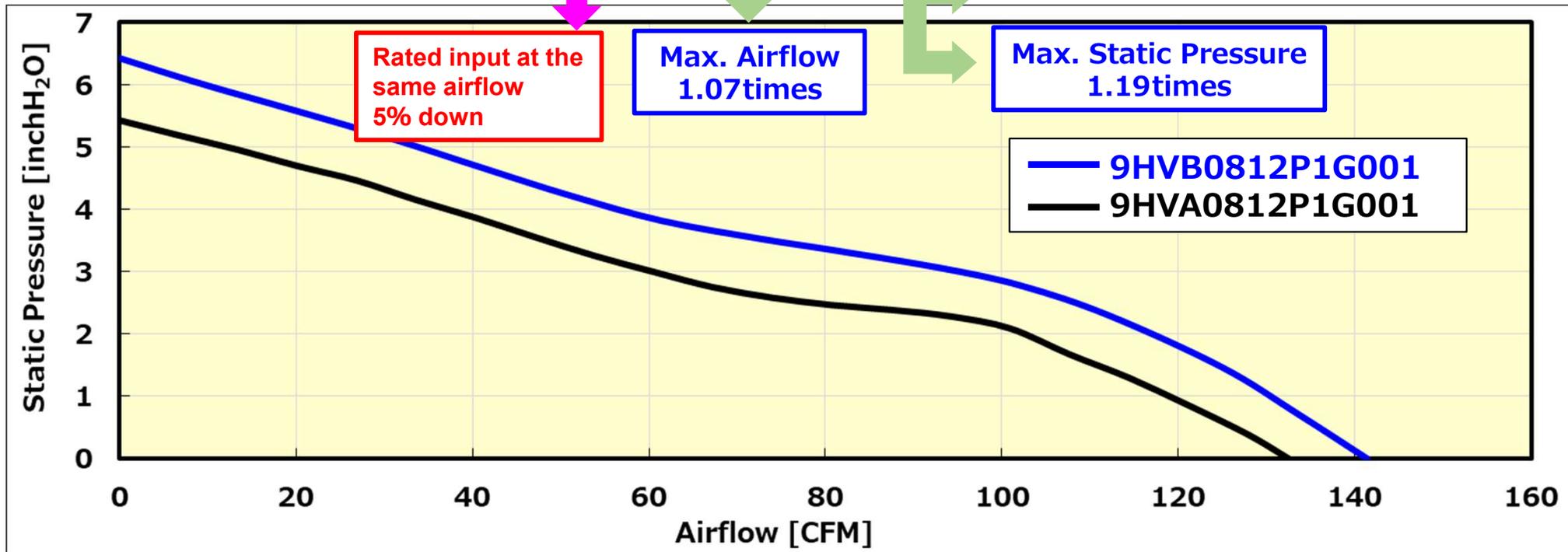


# High Airflow and Static Pressure And Energy-Saving

## Specification

\* Rated speed, sound pressure level, power consumption are values at rated voltage in free air.  
 \* Sound pressure level is measured at one meter from the inlet.

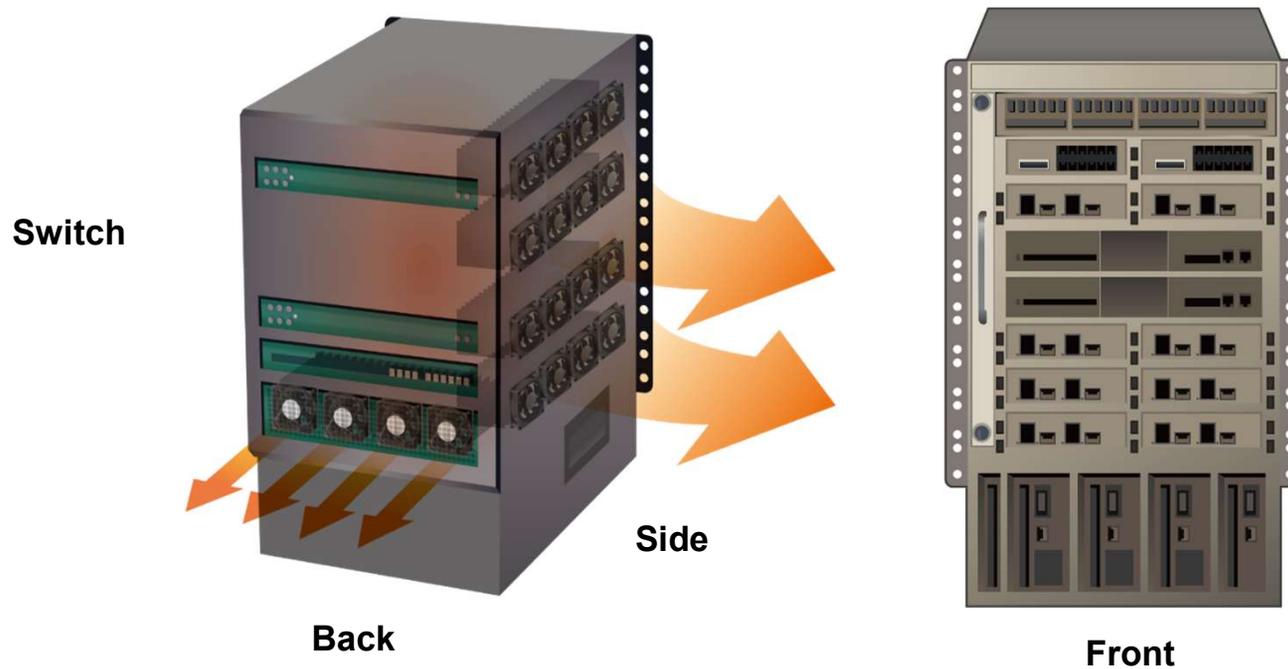
Model no.	Rated Voltage [V]	Rated Speed [ $\text{min}^{-1}$ ]	Rated Input [W]	Max. Airflow [CFM]	Max. Static Pressure [inchH <sub>2</sub> O]	SPL [dB(A)]	Operating temperature range [°C]	Expected life [h]
<b>New Model</b> 9HVB0812P1G001	12	18,300	57.6	141.3	6.42	75	-20~+70	40,000@60°C
<b>Current Model</b> 9HVA0812P1G001	12	16,100	42.0	132	5.4	73	-20~+70	40,000@60°C



# Target Applications

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- Target applications: servers, storage devices, and routers



# Specifications

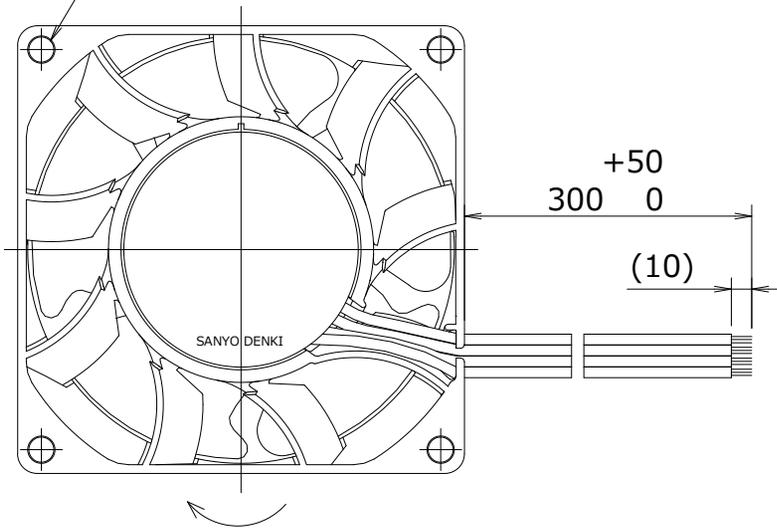
## □ Specification

\* Rated speed, sound pressure level, power consumption are values at rated voltage in free air.  
\* Sound pressure level is measured at one meter from the inlet.

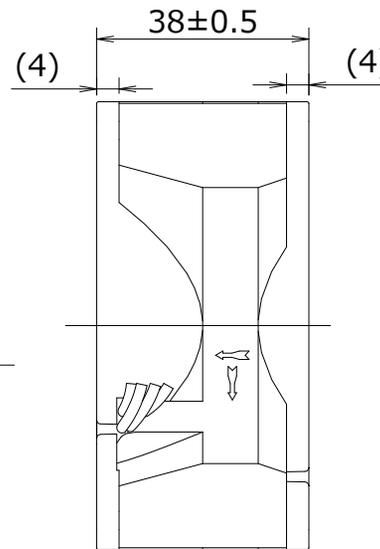
Model no.	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle* [%]	Rated current [A]	Rated input [W]	Rated speed [min <sup>-1</sup> ]	Max. airflow [m <sup>3</sup> /min] [CFM]	Max. static pressure [Pa] [inchH <sub>2</sub> O]	SPL [dB(A)]	Operating temperature [°C]	Expected life [h]
9HVB0812P1G001	12	10.8 to 12.6	100	4.8	57.6	18300	4.0 141.3	1600 6.42	75	-20 to +70	40000/60°C (70000/40°C)
			20	0.17	2.0	4300	0.94 33.2	105 0.42	40		

## □ Dimensions

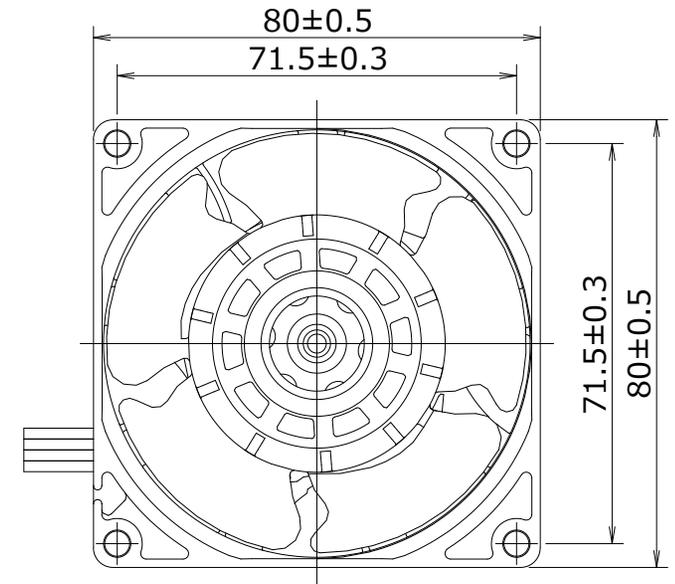
4- $\Phi$ 4.5 $\pm$ 0.3



ROTATING DIRECTION



AIRFLOW DIRECTION



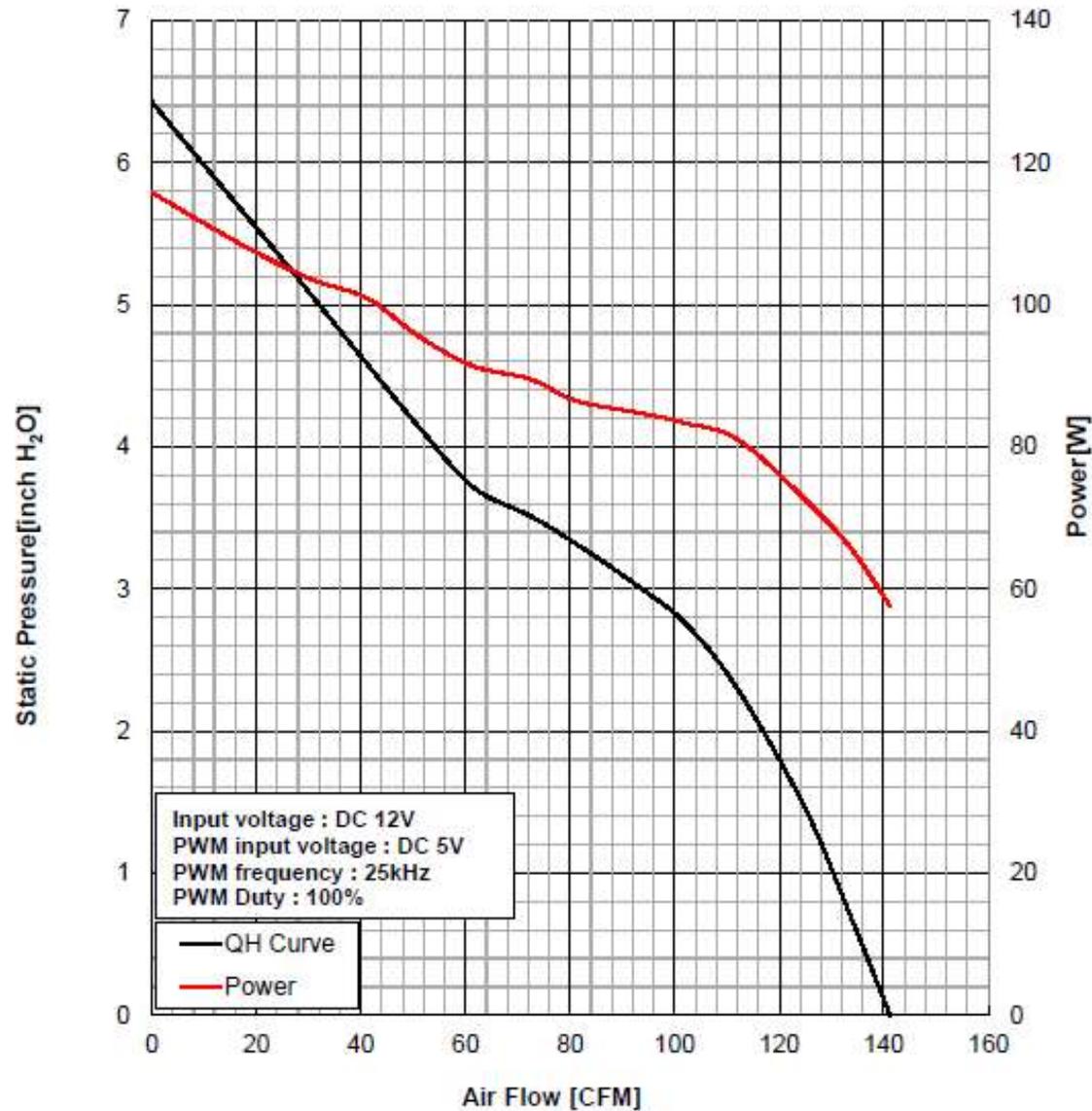
□ MTBF = 3 million hours

□ FIT rate = 330

**SANYO DENKI AMERICA, INC.**

# Performance vs Power

Model:9HVB0812P1G001

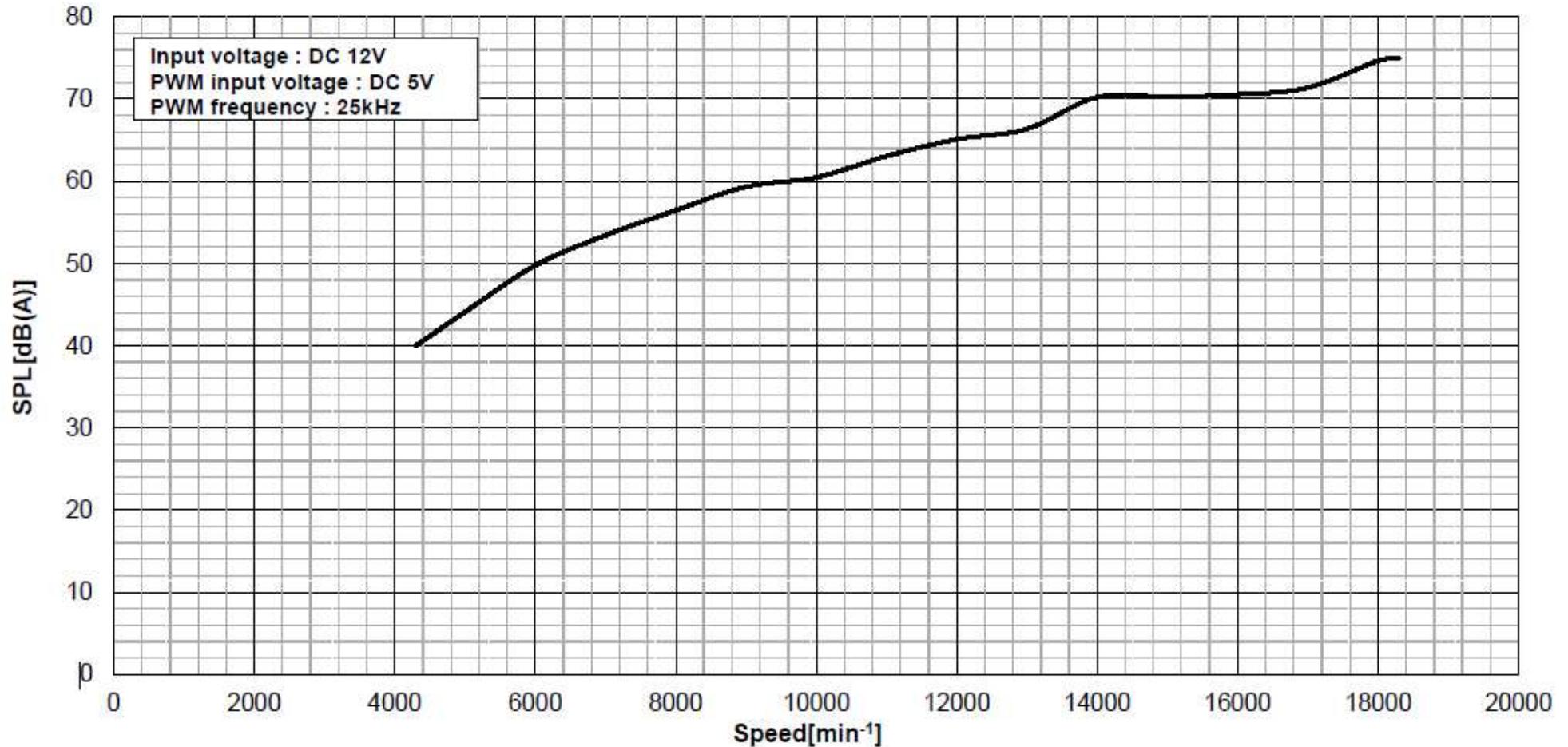


(Measurement by SANYO DENKI Double Chamber System)

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# Sound Pressure vs RPM

Model:9HVB0812P1G001



(Measured at 1m from the air inlet [Measurement Value])

# Miscellaneous

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- **Standard 3 phase motor**
- **Standard conformal coating for humidity protection**
- **Customizations available;**
  - **Harness assembly**  
Sanyo Denki can recommend connectors and terminals.
  - **Other conformal coating options**
  - **Others**
- **Only 12VDC available**
- **cUL and TUV approved**