140×140×51 mm

San Ace 140L 9LG type

General Specifications

- Material ····· Frame: Aluminum (Black coating), Impeller: Plastic (Flammability: UL 94V-0)
- 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 (Sensor) Yellow (Control) Brown
  (For models without PWM control function, there is no speed control wiring.)
- Mass ····· 790 g

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 [m³/min]	Max. airflow [CFM]	Max. static pressure [Pa]	Max. static pressure [inchH₂O]	SPL [dB (A)]	Operating temperature [˚C]	Expected life [h]
9LG1412P5G001	12	10.2 to 13.8	100	5.16	62	7500	9.0	318	655	2.63	69	-20 to +70	180000/60˚C
			20	0.31	3.72	2300	2.75	97	80	0.32	38		
9LG1412P5S001			100	1.83	22	5000	6.0	212	295	1.18	57		
			20	0.31	3.72	2300	2.75	97	80	0.32	38		
9LG1424P5G001	24	20.4 to 27.6	100	2.58	62	7500	9.0	318	655	2.63	69		
			20	0.16	3.84	2300	2.75	97	80	0.32	38		
9LG1424P5S001			100	0.91	22	5000	6.0	212	295	1.18	57		
			20	0.16	3.84	2300	2.75	97	80	0.32	38		
9LG1448P5G001	48	40.8 to 55.2	100	1.29	62	7500	9.0	318	655	2.63	69		
			20	0.12	5.76	2300	2.75	97	80	0.32	38		
9LG1448P5S001			100	0.45	22	5000	6.0	212	295	1.18	57		
			20	0.12	5.76	2300	2.75	97	80	0.32	38		

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

The following sensor and control options are available for selection.
Differs according to the model. Refer to the table on p. 577. Without sensor Pulse sensor Lock sensor

The models listed below **have pulse sensors.**

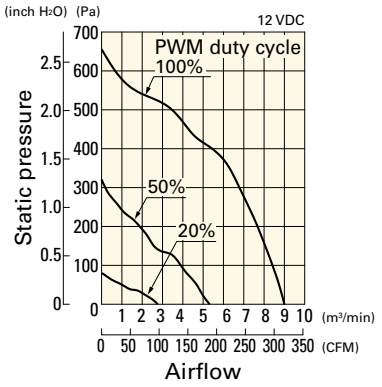
Model no.	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min⁻¹]	Max. airflow [m³/min]	Max. airflow [CFM]	Max. static pressure [Pa]	Max. static pressure [inchH₂O]	SPL [dB (A)]	Operating temperature [˚C]	Expected life [h]
9LG1412A5001	12	10.2 to 13.8	2.61	31.4	5700	6.9	243.8	500	2	61	-20 to +70	180000/60˚C
9LG1412H5001			1	12	4100	4.9	173.1	260	1.04	52		
9LG1412M5001			0.43	5.16	2600	3.1	109.5	100	0.4	40		
9LG1424A5001	24	20.4 to 27.6	1.21	29.1	5700	6.9	243.8	540	2.17	61		
9LG1424H5001			0.55	13.2	4100	4.9	173.1	260	1.04	52		
9LG1424M5001			0.23	5.52	2600	3.1	109.5	100	0.4	40		
9LG1448A5001	48	40.8 to 55.2	0.66	31.7	5700	6.9	243.8	540	2.17	61		
9LG1448H5001			0.31	14.9	4100	4.9	173.1	260	1.04	52		
9LG1448M5001			0.15	7.2	2600	3.1	109.5	100	0.4	40		

The following sensor and control options are available for selection.
Available for all models. Without sensor Lock sensor

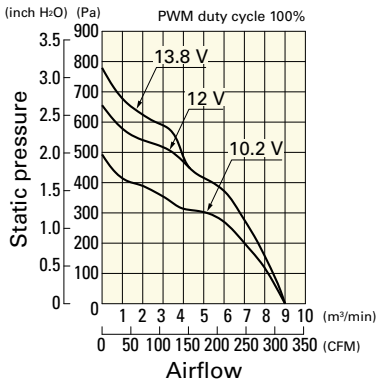
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9LG1412P5G001 With pulse sensor with PWM control function

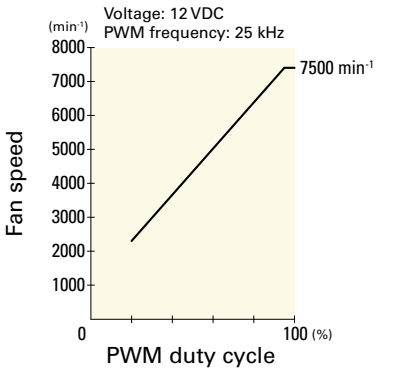
PWM duty cycle



Operating voltage range

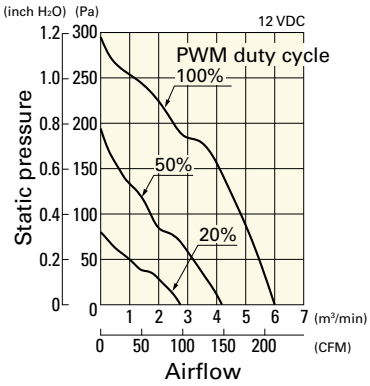


PWM duty - Speed characteristics example

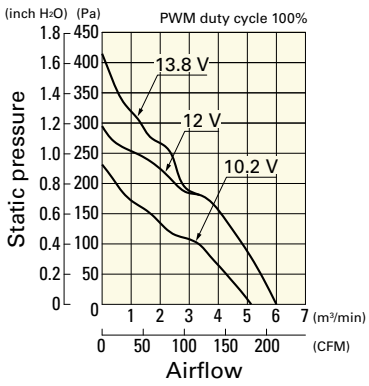


9LG1412P5S001 With pulse sensor with PWM control function

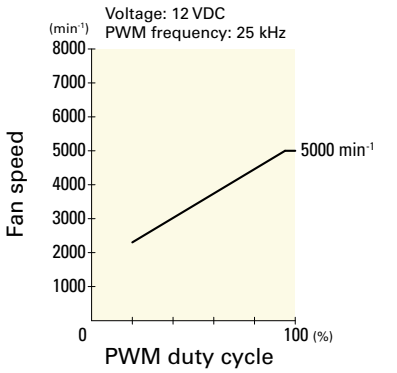
PWM duty cycle



Operating voltage range

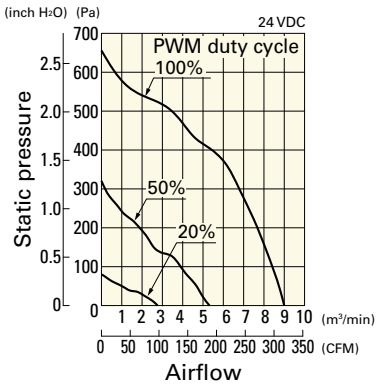


PWM duty - Speed characteristics example

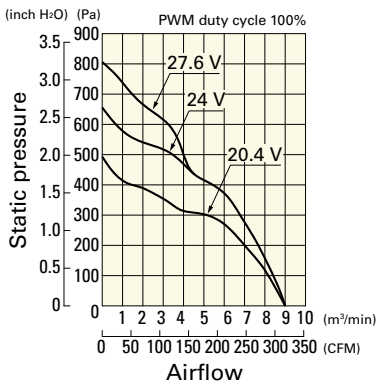


9LG1424P5G001 With pulse sensor with PWM control function

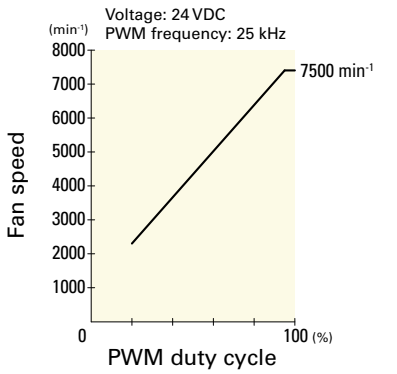
PWM duty cycle



Operating voltage range

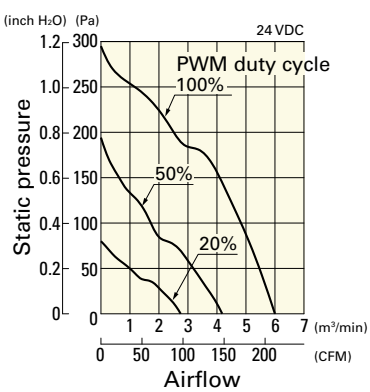


PWM duty - Speed characteristics example

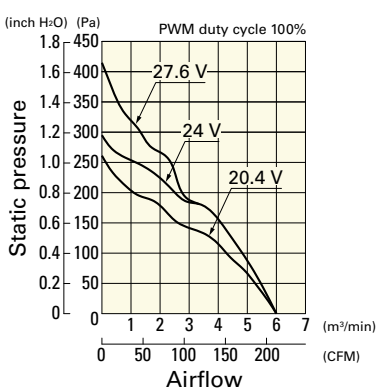


9LG1424P5S001 With pulse sensor with PWM control function

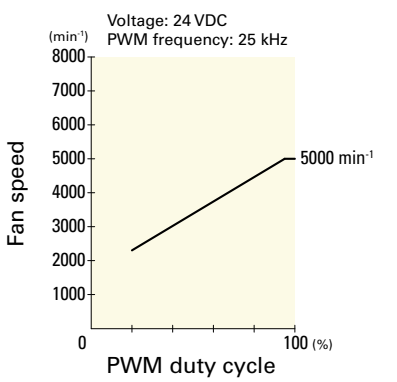
PWM duty cycle



Operating voltage range



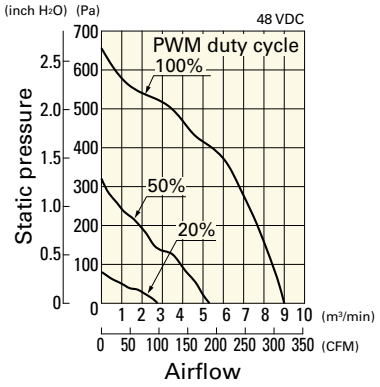
PWM duty - Speed characteristics example



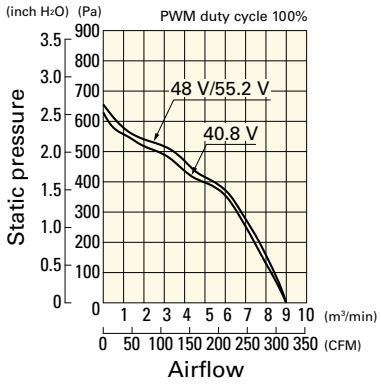
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9LG1448P5G001 With pulse sensor with PWM control function

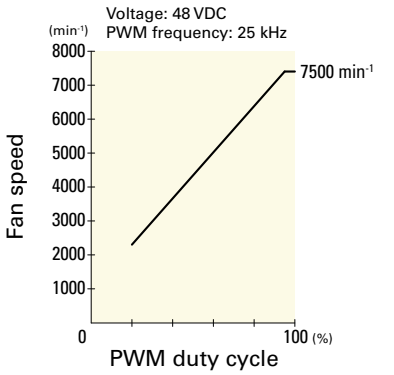
PWM duty cycle



Operating voltage range

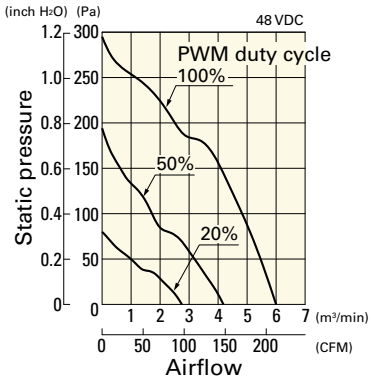


PWM duty - Speed characteristics example

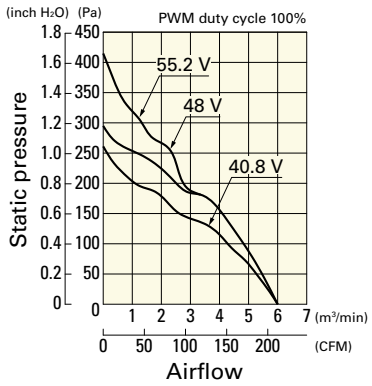


9LG1448P5S001 With pulse sensor with PWM control function

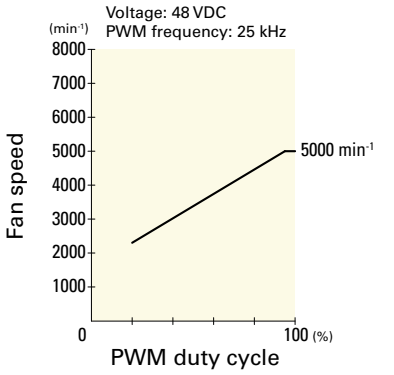
PWM duty cycle



Operating voltage range

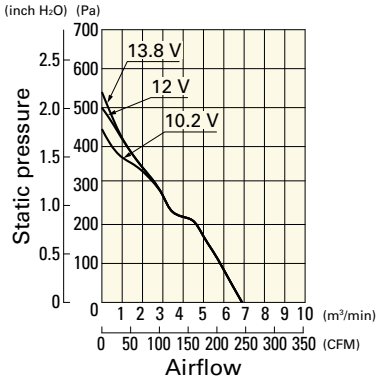


PWM duty - Speed characteristics example



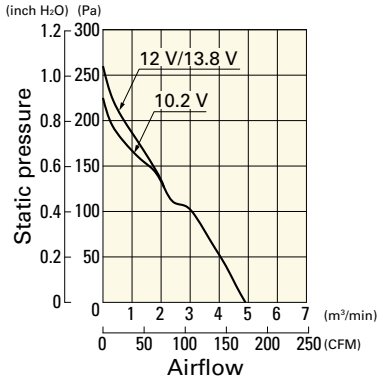
9LG1412A5001 With pulse sensor

Operating voltage range



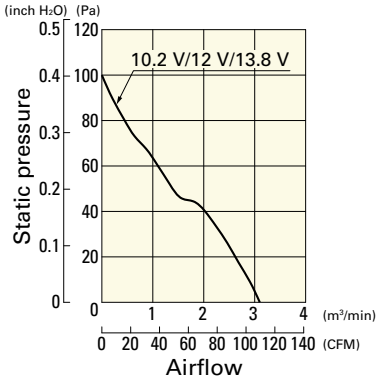
9LG1412H5001 With pulse sensor

Operating voltage range



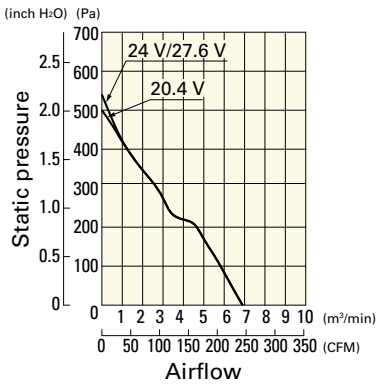
9LG1412M5001 With pulse sensor

Operating voltage range



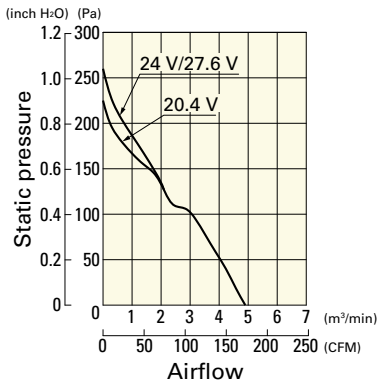
9LG1424A5001 With pulse sensor

Operating voltage range



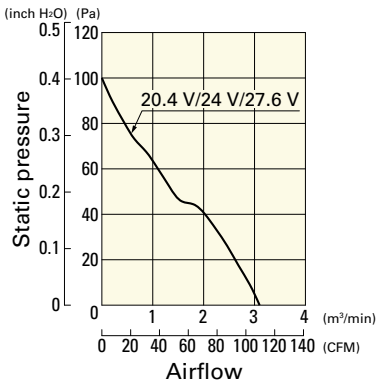
9LG1424H5001 With pulse sensor

Operating voltage range



9LG1424M5001 With pulse sensor

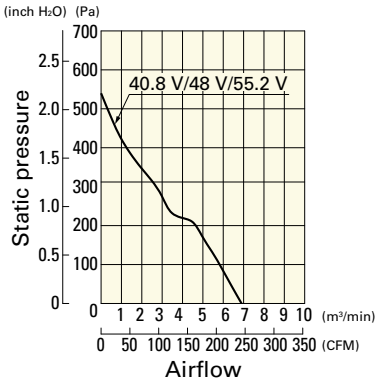
Operating voltage range



Airflow - Static Pressure Characteristics

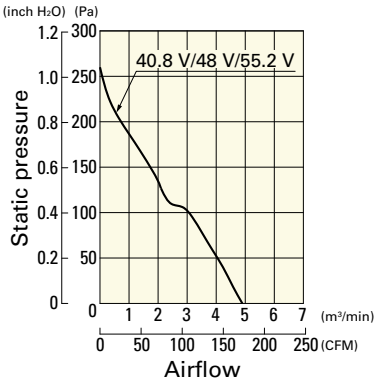
9LG1448A5001 With pulse sensor

Operating voltage range



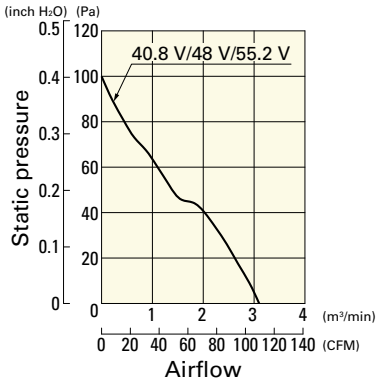
9LG1448H5001 With pulse sensor

Operating voltage range

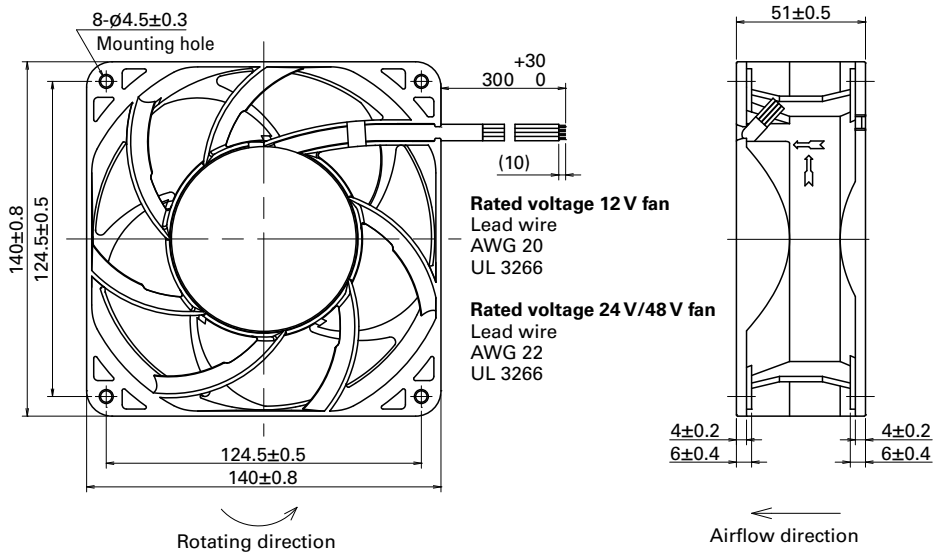


9LG1448M5001 With pulse sensor

Operating voltage range



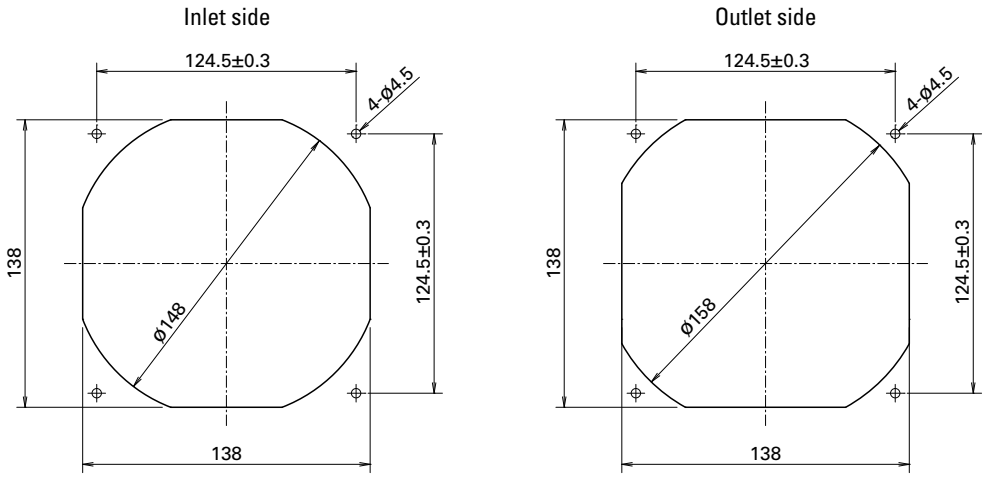
Dimensions (unit: mm)



Rated voltage 12 V fan
Lead wire
AWG 20
UL 3266

Rated voltage 24 V/48 V fan
Lead wire
AWG 22
UL 3266

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



Options

Finger guards page: p. 533

Model no.: 109-719, 109-719H

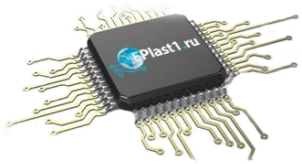
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.