

80×80×25 mm

San Cooler 80 9A type   



General Specifications

- Material Frame: Plastic (Flammability: UL 94V-0), 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)
Expected life at 40°C is for reference only.
- Motor protection function Locked rotor burnout protection, Reverse polarity protection
For details, please refer to p. 573.
- 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 90 g

Specifications

The models listed below **have ribs and pulse sensors**. For models without ribs, append "1" to the end of model numbers.

Model no.	Rated voltage [V]	Operating voltage range [V]	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]
➤ 9A0812G423	12	6 to 13.2	0.38	4.56	4500	1.5 53.0	80.3 0.323	40	-20 to +60	30000/60°C (53000/40°C)
➤ 9A0812S401		6 to 13.8	0.18	2.16	3400	1.2 42.4	48 0.193	34		
➤ 9A0812H401			0.13	1.56	2900	1.03 36.4	35.3 0.142	29		
➤ 9A0812F401			0.11	1.32	2600	0.92 32.5	28.4 0.114	26		
➤ 9A0812M401			0.09	1.08	2350	0.83 29.3	22.5 0.09	23		
➤ 9A0812L401			0.06	0.72	1850	0.65 23.0	14.7 0.059	20		
➤ 9A0824G420	24	12 to 26.4	0.21	5.04	4500	1.5 53.0	80.3 0.323	40	-20 to +60	30000/60°C (53000/40°C)
➤ 9A0824S401		12 to 27.6	0.1	2.4	3400	1.2 42.4	48 0.193	34		
➤ 9A0824H401			0.07	1.68	2900	1.03 36.4	35.3 0.142	29		
➤ 9A0824F401			0.06	1.44	2600	0.92 32.5	28.4 0.114	26		
➤ 9A0824M401			0.05	1.2	2350	0.83 29.3	22.5 0.09	23		
➤ 9A0824L401			0.04	0.96	1850	0.65 23.0	14.7 0.059	20		

The following sensor and control options are available for selection.

Available for all models. Without sensor Lock sensor

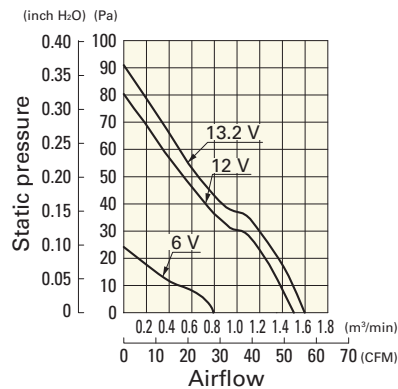
Differs according to the model. Refer to the table on p. 598. PWM control

The ⊗ mark indicates Short LeadTime Service applicable models. See p. 626 for details.

Airflow - Static Pressure Characteristics

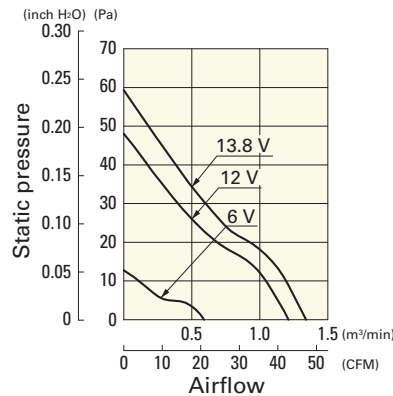
9A0812G423 With pulse sensor

Operating voltage range



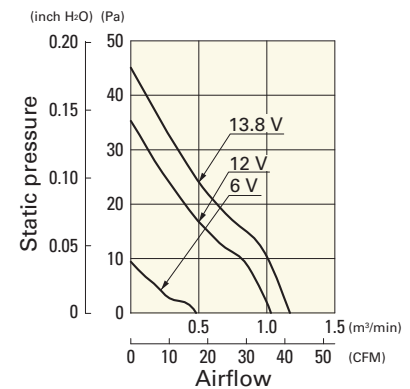
9A0812S401 With pulse sensor

Operating voltage range



9A0812H401 With pulse sensor

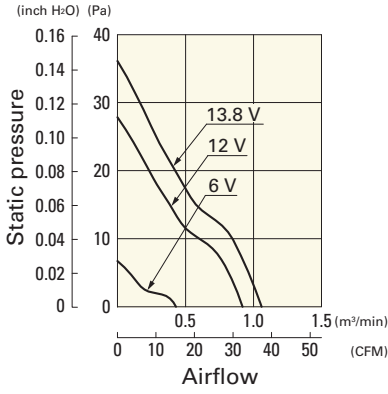
Operating voltage range



Airflow - Static Pressure Characteristics

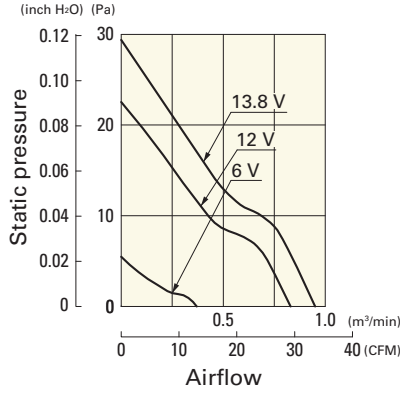
9A0812F401 With pulse sensor

Operating voltage range



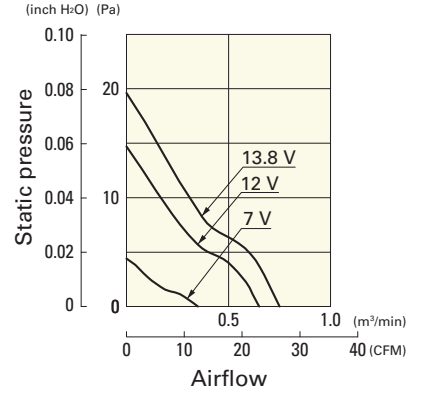
9A0812M401 With pulse sensor

Operating voltage range



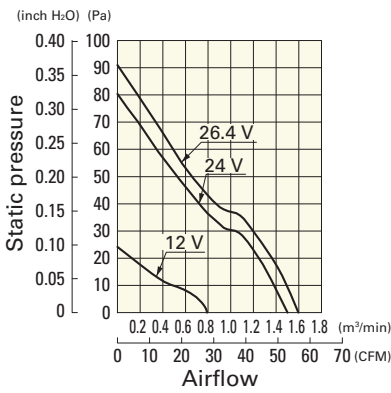
9A0812L401 With pulse sensor

Operating voltage range



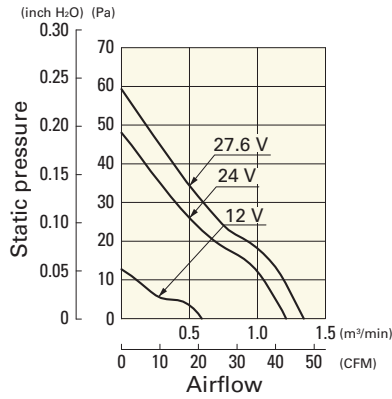
9A0824G420 With pulse sensor

Operating voltage range



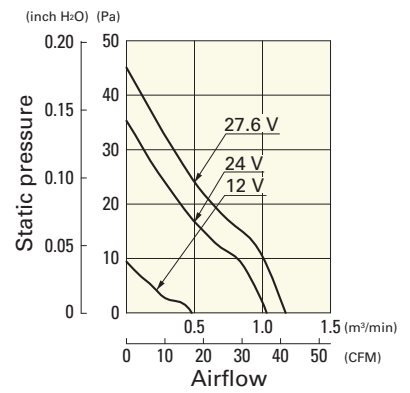
9A0824S401 With pulse sensor

Operating voltage range



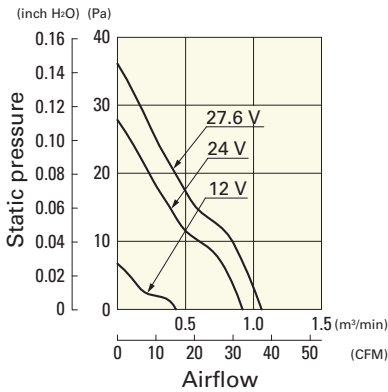
9A0824H401 With pulse sensor

Operating voltage range



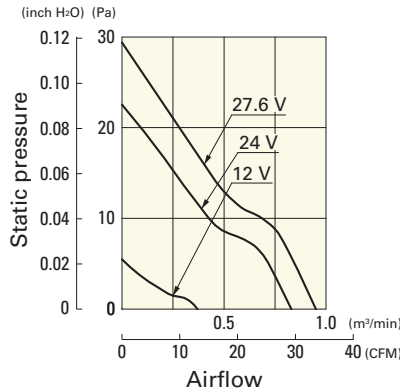
9A0824F401 With pulse sensor

Operating voltage range



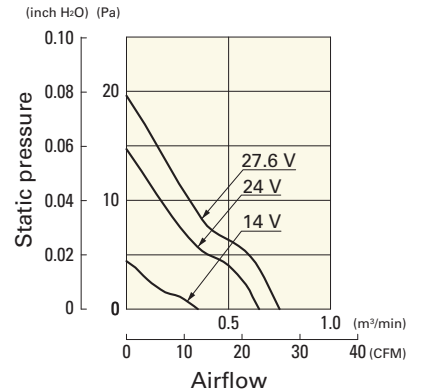
9A0824M401 With pulse sensor

Operating voltage range

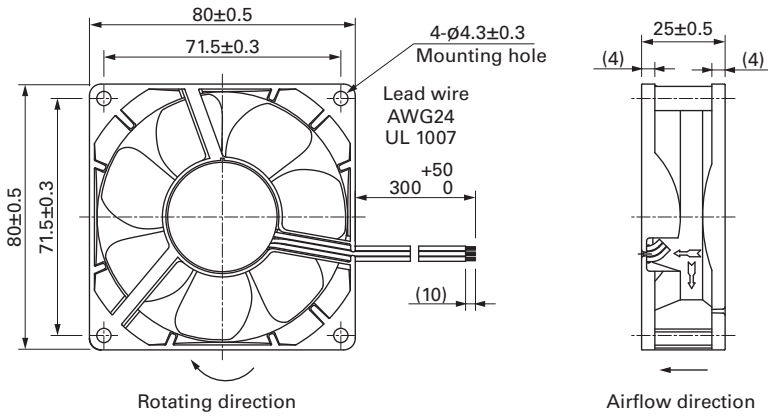


9A0824L401 With pulse sensor

Operating voltage range

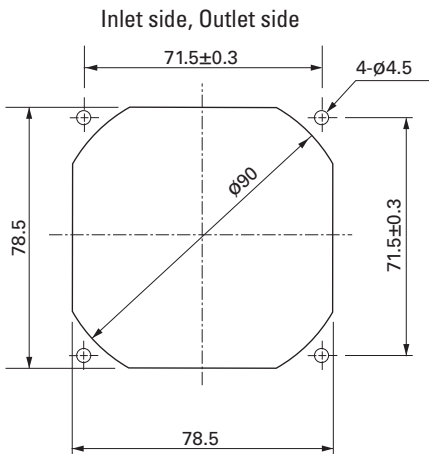


Dimensions (unit: mm) (With ribs)



Dimensions and Connector details for part numbers 9A0812G423 & 9A0824G420 can be found on the following pages

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



Options

Finger guards page: p. 558

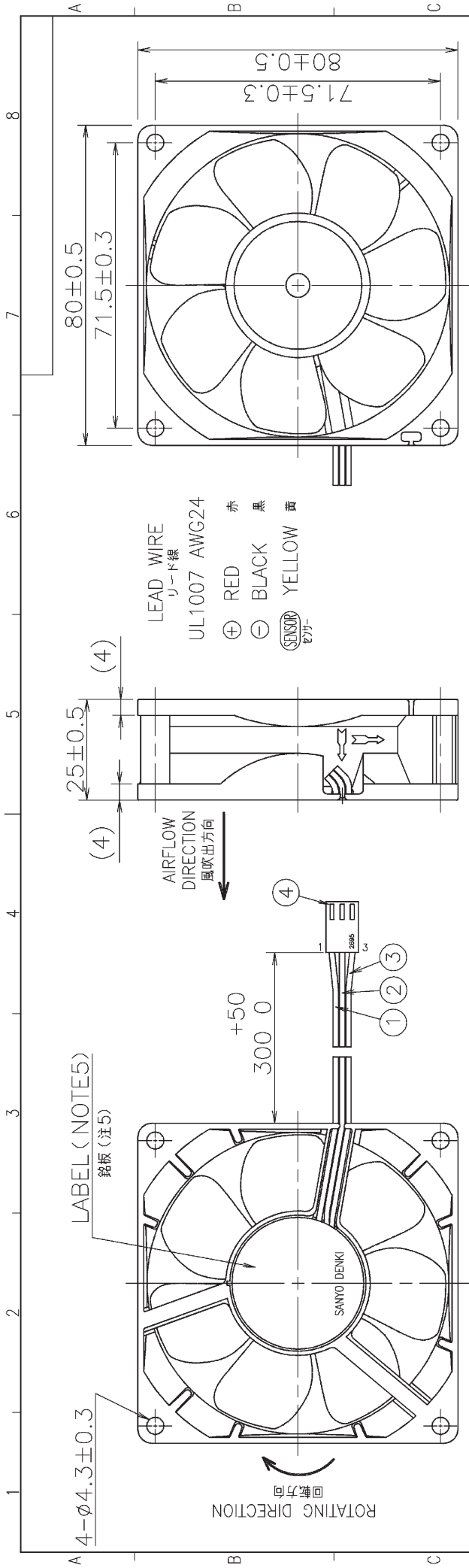
Model no.: 109-049E, 109-049H, 109-049C

Resin finger guards page: p. 565

Model no.: 109-1002G

Resin filter kits page: p. 566

Model no.: 109-1002F13 (13PPI), 109-1002F20 (20PPI),
109-1002F30 (30PPI), 109-1002F40 (40PPI)



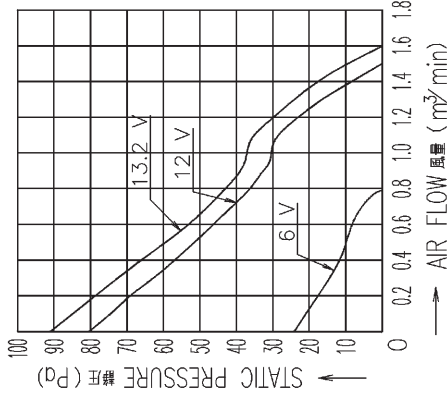
RATED VOLTAGE 定格電圧	12 V DC
OPERATING VOLTAGE 使用電圧範囲	6 V DC ~ 13.2 V DC
RATED CURRENT 定格電流	0.38 A AT 12 V DC (DC12 Vにて)
RATED SPEED 定格回転速度	4500 min ⁻¹ AT 12 V DC (NOMINAL) (中心値) (DC12 Vにて)
INSULATION RESISTANCE 絶縁抵抗	10 MΩ MIN. AT 500 V DC (NOTE2) DC500 Vメガーにて10 MΩ以上(注2)
DIELECTRIC STRENGTH 絶縁耐圧	1 MINUTE AT 500 V AC, 50/60 Hz (NOTE2) AC50/60 Hz, 500 Vにて1分間耐えること(注2)
OPERATING TEMP. 使用温度範囲	-20 °C ~ +60 °C
SOUND PRESSURE LEVEL 音圧レベル	40 dB(A) (NOMINAL) (NOTE1) (中心値) (注1)
MASS 質量	APPROX. 90 g
MATERIAL 材質	FRAME, IMPELLER : PLASTICS フレーム,羽根 : 樹脂成形品
BEARING SYSTEM 軸受	2 BALL BEARINGS ボールベアリング

- NOTE: 1. MEASURED AT 1 m DISTANCE FROM THE AIR INLET.
ファン吸込側より1 mにて測定する。
2. MEASURED BETWEEN THE LEAD WIRES AND THE FRAME.
リード線導体部とフレームとの間。
3. MOTOR IS PROTECTED FROM DAMAGE OF LOCKED ROTOR CONDITION AT THE OPERATING VOLTAGE.
ファン拘束時焼損の恐れはない。

4	CONTACT コンタクト	MOLEX : 39-00-0372 (2759T) モレックス
4	CONNECTOR コネクタ	MOLEX : 22-01-3037 (2695-03RP) モレックス
3	LEAD WIRE リード線	UL1007 AWG24 YELLOW PIN No.3 黄
2	LEAD WIRE リード線	UL1007 AWG24 RED PIN No.2 赤
1	LEAD WIRE リード線	UL1007 AWG24 BLACK PIN No.1 黒
No. 番号	PARTS 名称	REMARKS 備考

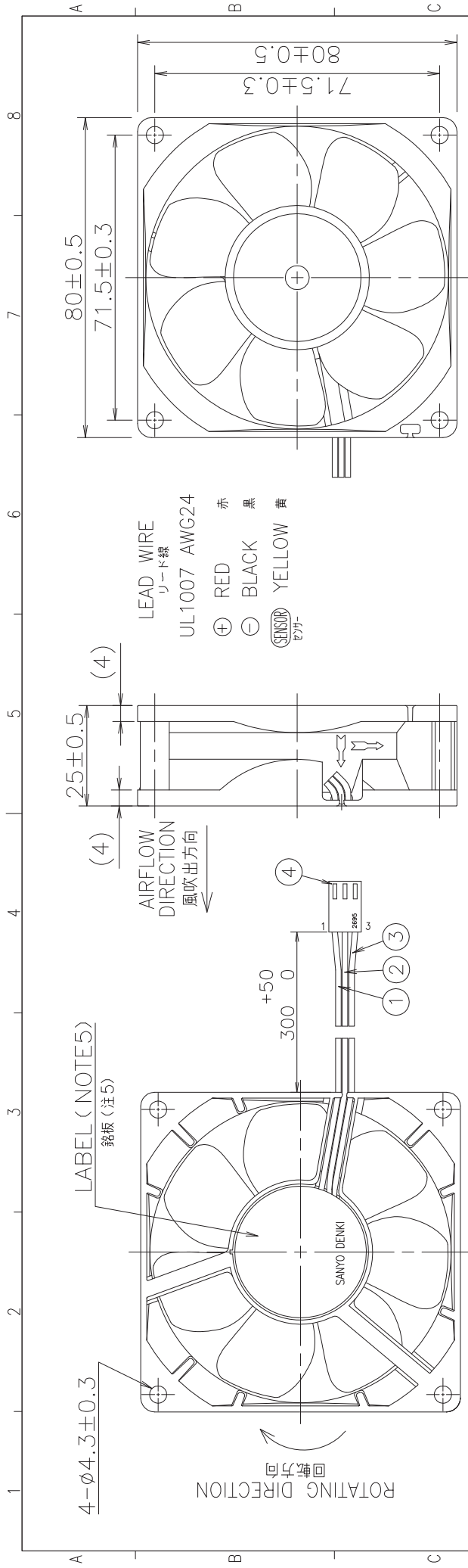
4. FOR SENSOR SPEC., SEE 9D0001H011.
センサー仕様は、9D0001H011による。
5. PRINT PRODUCT NAME, MODEL No., MANUFACTURER, AND MANUFACTURED DATE ETC.
品名, 型名, 製造会社名 及び 製造年月日等を表示する。

PERFORMANCE CURVES
風量-静圧特性例



承認 APPROVED BY	M. WATANABE 19-07-18	名称 TITLE	12 V G SPEED PULSE SENSOR Gスピード パルスセンサー
審査 CHECKED BY	Y. MURAMATSU 19-07-18	品名 MODEL	San Cooler 80
設計 DESIGNED BY	J. OISHI 19-07-18	設計 DRAWING	RIBBED
図番 DWS NO.	9A0812G423	部品 PARTS	サンクーラー-80 リブ付
山洋電気株式会社 SANYO DENKI CO., LTD.		山洋電気株式会社 SANYO DENKI CO., LTD.	
2019-07-22		2019-07-22	
ISSUED		ISSUED	
A3G-F1		A3G-F1	
6		6	
5		5	
4		4	
3		3	
2		2	
1		1	

D12,E0 | 01034013



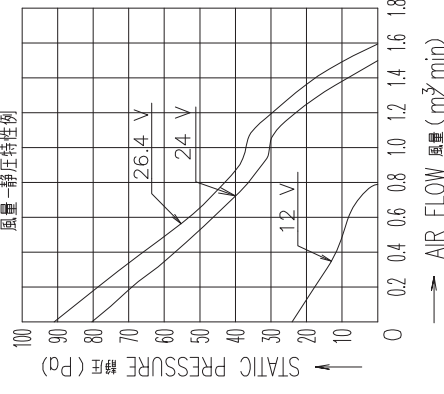
RATED VOLTAGE 定格電圧	24 V DC
OPERATING VOLTAGE 使用電圧範囲	12 V DC ~ 26.4 V DC
RATED CURRENT 定格電流	0.21 A AT 24 V DC (DC24 Vにて)
RATED SPEED 定格回転速度	4500 min ⁻¹ AT 24 V DC (NOMINAL) (中心値) (DC24 Vにて)
INSULATION RESISTANCE 絶縁抵抗	10 MΩ MIN. AT 500 V DC (NOTE2) DC500 Vメガーにて10 MΩ以上(注2)
DIELECTRIC STRENGTH 絶縁耐圧	1 MINUTE AT 500 V AC, 50/60 Hz (NOTE2) AC50/60 Hz, 500 Vにて1分間耐えること(注2)
OPERATING TEMP. 使用温度範囲	-20 °C ~ +60 °C
SOUND PRESSURE LEVEL 音圧レベル	40 dB (A) (NOMINAL) (NOTE1) (中心値) (注1)
MASS 質量	APPROX. 90 g
MATERIAL 材質	FRAME, IMPELLER : PLASTICS フレーム・羽根 : 樹脂成形品
BEARING SYSTEM 軸受	2 BALL BEARINGS ボールベアリング

- NOTE: 1. MEASURED AT 1 m DISTANCE FROM THE AIR INLET.
注 ファン吸込側より1 mにて測定する。
2. MEASURED BETWEEN THE LEAD WIRES AND THE FRAME.
リード線導体部とフレームとの間。
3. MOTOR IS PROTECTED FROM DAMAGE OF LOCKED ROTOR CONDITION AT THE OPERATING VOLTAGE.
ファン拘束時焼損の恐れはない。

4	CONTACT コンタクト	MOLEX : 39-00-0372 (2759T) モレックス
	CONNECTOR コネクタ	MOLEX : 22-01-3037 (2695-03RP) モレックス
3	LEAD WIRE リード線	UL1007 AWG24 YELLOW PIN No.3 黄
2	LEAD WIRE リード線	UL1007 AWG24 RED PIN No.2 赤
1	LEAD WIRE リード線	UL1007 AWG24 BLACK PIN No.1 黒
No. 番号	PARTS 名称	REMARKS 備考

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品名, 型名, 製造会社名 及び 製造年月日等を表示する。

PERFORMANCE CURVES
風量-静圧特性例



承認 APPROVED BY	M. WATANABE 19-09-02	承認 CHECKED BY	Y. MURAMATSU 19-09-02	承認 DESIGNED BY	Y. KITAZAWA 19-09-02	図番 DWG NO.	9A0824G420	REV.	A
名称 TITLE	24 V 6 SPEED PULSE SENSOR ケーブルパルスセンサー			名称 TITLE		San Cooler 80 RIBBED サンクーラー80 リブ付			
単位 UNIT	mm	単位 UNIT	mm	尺度 SCALE	日付 DATE		SANYO DENKI CO., LTD. 2019-09-03 ISSUED		
記号 記号	A	記号 記号	A	記号 記号	北沢(ゆ)	19-09-02	A3G-F1		
D12,E0		01036744		6		A3G-F1		01036744	