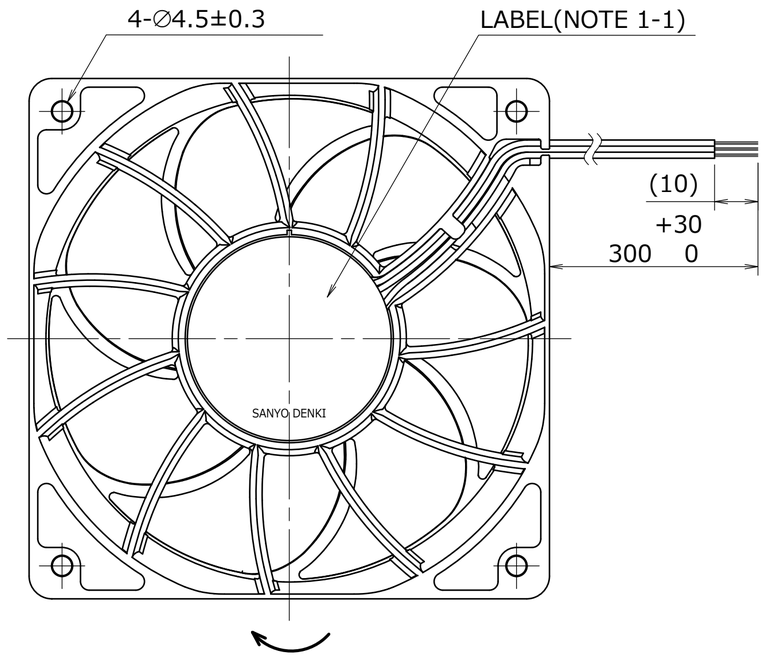
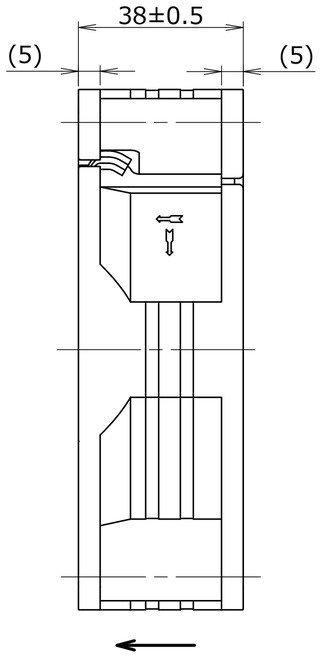
1. DIMENSIONS AND PARTS LIST

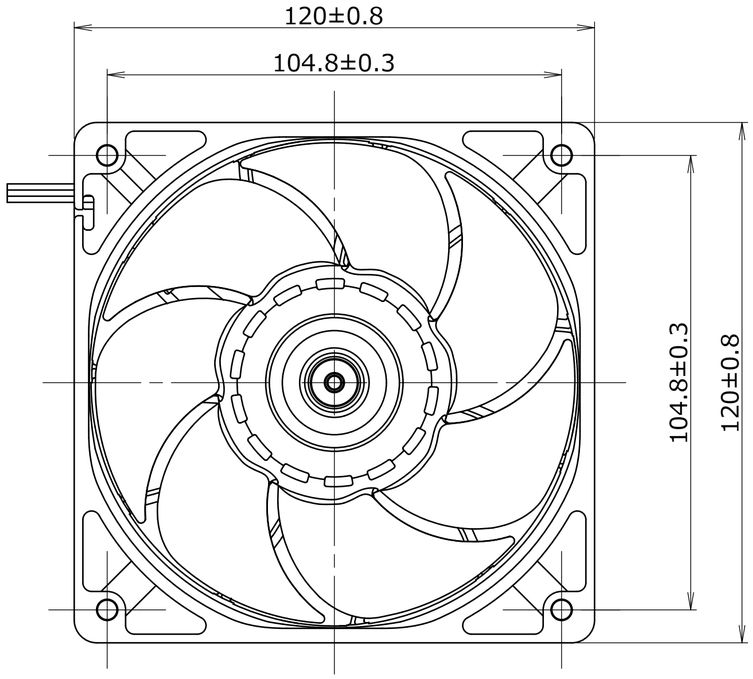
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ROTATING DIRECTION



AIRFLOW DIRECTION



NOTE 1-1. THE PRODUCT NAME, MODEL NO., MANUFACTURER, MANUFACTURE DATE, ETC. ARE PRINTED ON LABEL.
品名，型名，製造会社名 及び 製造年月日等を表示する。

<LEAD WIRE CONNECTION TABLE>

FAN		
	LEAD WIRE	COLOR
+	UL1007 AWG24	RED
−	UL1007 AWG24	BLACK
SENSOR	UL1007 AWG24	YELLOW

ECN No. E0229703	名称 Title: San Ace 120 (9RA) RIBBED/LOCK_SENSOR		
単位 Unit: mm	新規 New Design: S.MATSUSHITA 22-03-25		
尺度 Scale: -	図面番号 Dwg. No.: 9RA1224E1D001	Rev.: B	
SANYO DENKI	SANYO DENKI CO.,LTD. ISSUED	承認 Approved By: N.MURAKAMI 26-02-10	審査 Checked By: M.KOIKE 26-02-10 / 設計 Designed By: K.NISHIMAKI 26-02-05
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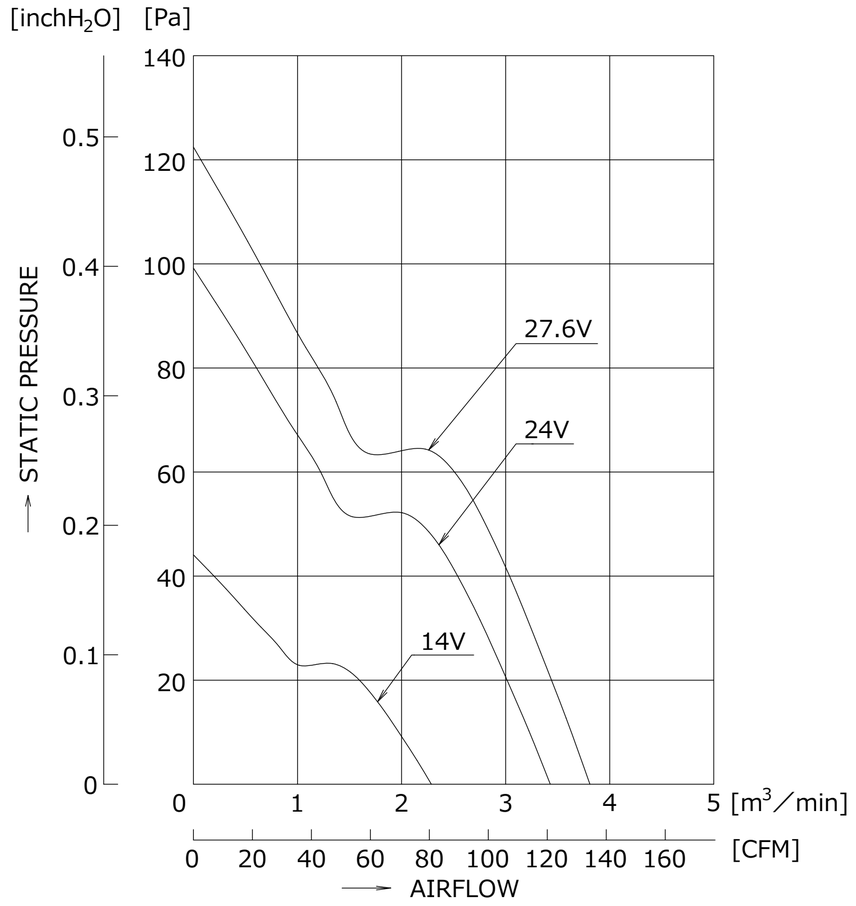
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2. GENERAL SPECIFICATIONS

<CHARACTERISTICS>

ITEM	UNIT	CHARACTERISTICS
RATED VOLTAGE	V DC	24
OPERATING VOLTAGE RANGE	V DC	14 ~ 27.6
MAX. AIRFLOW	m^3/min (CFM)	3.40 (120)
MAX. STATIC PRESSURE	Pa ($inchH_2O$)	100 (0.402)
RATED CURRENT	A	0.24
RATED SPEED	min^{-1}	3600±360
INSULATION RESISTANCE (NOTE 2-2)	-	10 MΩ MIN. AT 500 V DC
DIELECTRIC STRENGTH (NOTE 2-2)	-	1 MINUTE AT 500 V AC, 50/60 Hz
OPERATING TEMPERATURE	℃	-20 ~ 70
STORAGE TEMPERATURE	℃	-30 ~ 70
EXPECTED LIFE	-	40,000 h / 60 ℃ (L10, CONTINUOUS OPERATION)
SOUND PRESSURE LEVEL (NOTE 2-3)	dB(A)	43
MASS	g	APPROX. 320
MATERIAL	-	FRAME, IMPELLER : PLASTICS
BEARING SYSTEM	-	2 BALL BEARINGS

<REFERENCE AIRFLOW-STATIC PRESSURE CHARACTERISTICS>



NOTE 2-1. ALL THE VALUES IN THE TABLE ARE TYPICAL VALUES MEASURED AFTER 30 MINUTES OF OPERATION AT ROOM TEMPERATURE AND NORMAL HUMIDITY.
表中の値はいずれも、常温、常湿、30分間動作後の標準値。

2-2. MEASURED BETWEEN LEAD WIRE CONDUCTORS AND FRAME.
リード線導体部とフレームとの間。

2-3. AT 1 m AWAY FROM THE AIR INLET.
ファン吸込側1 mにおける値。

2-4. WITHIN THE OPERATING VOLTAGE RANGE, THE MOTOR IS PROTECTED FROM BURNOUT DUE TO LOCKED ROTOR. DO NOT LOCK ROTOR OUTSIDE OF OPERATING VOLTAGE.
使用電圧範囲にてファン拘束時焼損の恐れはない。
使用電圧範囲外でファンを拘束しないこと。

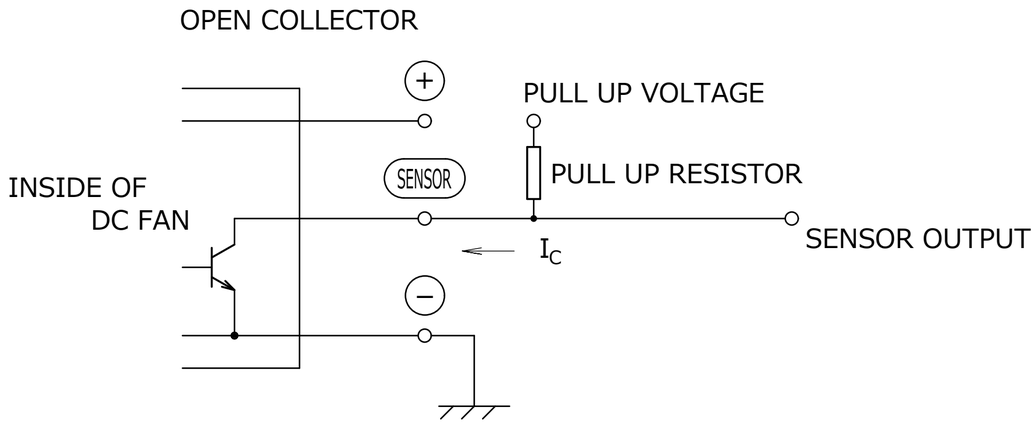
ECN No. E0229703	名称 Title: San Ace 120 (9RA) RIBBED/LOCK_SENSOR	
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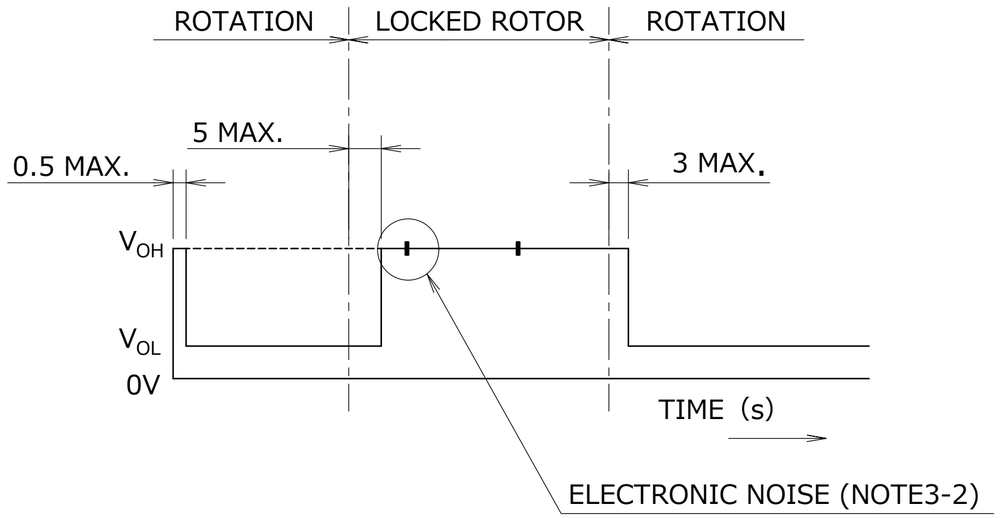
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3. SENSOR SPECIFICATIONS

<OUTPUT CIRCUIT>



<OUTPUT WAVEFORM>



<SENSOR SPECIFICATIONS>

ITEM	SYMBOL	UNIT	MAX.
PULL UP VOLTAGE	-	V	30
COLLECTOR – EMITTER VOLTAGE (V_{CE})	V_{OH}	V	30
COLLECTOR CURRENT	I_C	mA	5
COLLECTOR SATURATION VOLTAGE (V_{CE}(SAT))	V_{OL}	V	0.6

NOTE 3-1. OUTPUT COMES QUITE V_{OL} LEVEL WITHIN 0.5s
AFTER OPERATING POWER SUPPLIED TO FAN.
電源投入後、出力がV_{OL}になるまでの時間は0.5秒以内。

3-2. ELECTRONIC NOISE MAY APPEAR ON THE V_{OH}
WHEN THE FAN IS AUTO-RESTARTED.
モータの再起動の際には、V_{OH}にノイズが乗ることがある。

3-3. MOTOR CONTROL SWITCHING MAY AFFECT THE SENSOR OUTPUT.
モータ制御によるスイッチングがセンサ出力に影響する場合がある。

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