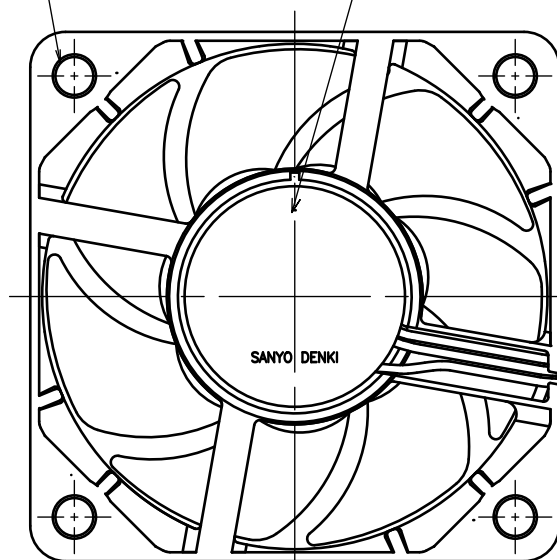


1. DIMENSIONS AND PARTS LIST

<DIMENSIONS>

8- $\phi 4.3 \pm 0.3$

LABEL (NOTE1-1)



+50
300 0

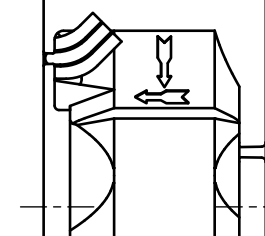
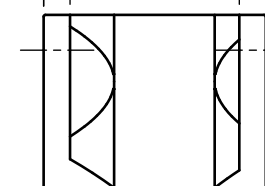
(10)

AIRFLOW DIRECTION

3 ± 0.3

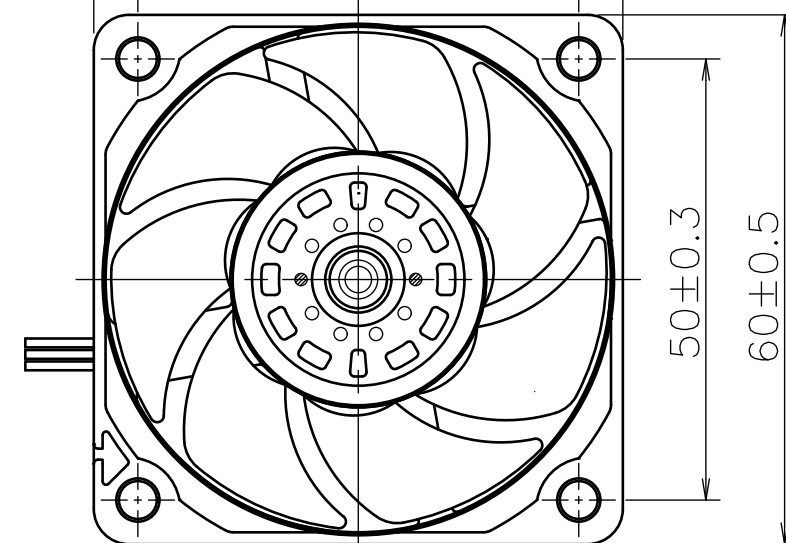
25 ± 0.5

3 ± 0.3



60 ± 0.5

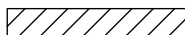
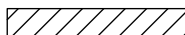
50 ± 0.3



ROTATING DIRECTION

NOTE

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

<LABEL>  SHOWS LOT No.  はロットNo.を示す。

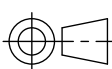
<LEAD WIRE CONNECTION TABLE>

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



OR



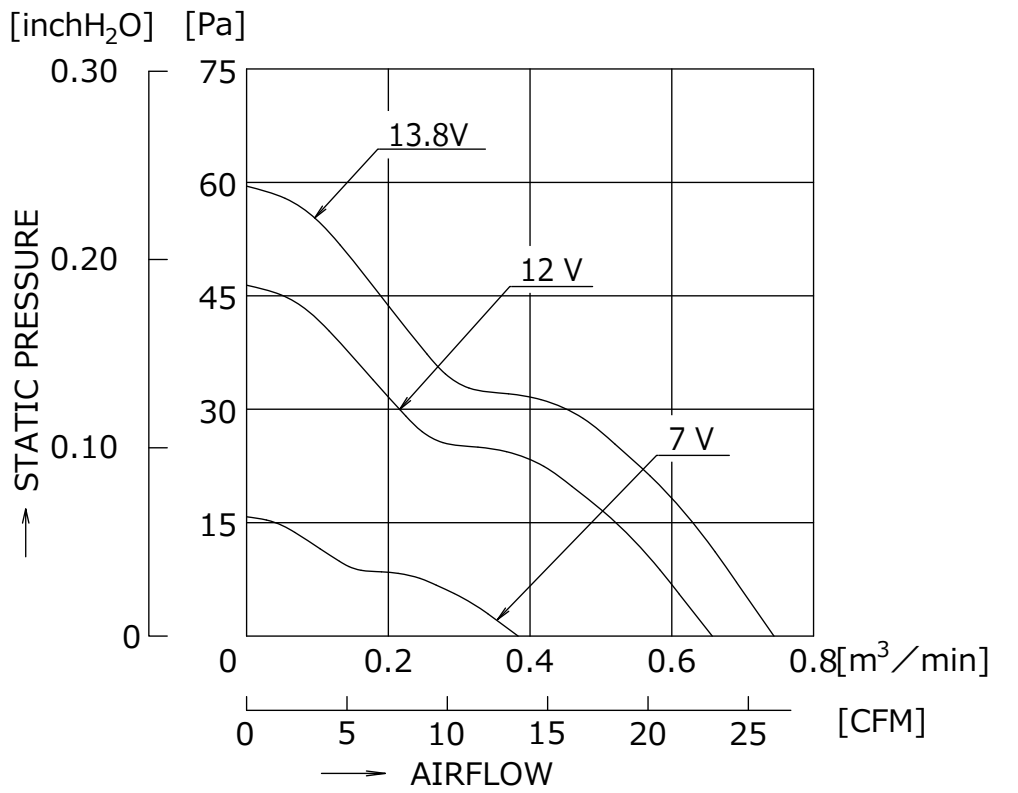
	ECN No. E0220317	名称 Title San Ace 60 (9RA) RIBLESS/PULSE_SENSOR	
	単位 Unit mm	承認 Approved By TE.YAMAZAKI 24-01-10	
尺度 Scale -	図面番号 Dwg. No.	9RA0612S40011	
SANYO DENKI		審査 Checked By R.MOLINO 24-01-10	設計 Designed By P.MENDOZA 23-11-29
SANYO DENKI CO.,LTD. ISSUED		承認 Approved By TE.YAMAZAKI 24-01-10	設計 Designed By P.MENDOZA 23-11-29
Group		D12	User E0
		Page 1/3	

2. GENERAL SPECIFICATIONS

<CHARACTERISTICS>

ITEM	UNIT	CHARACTERISTICS
RATED VOLTAGE	V DC	12
OPERATING VOLTAGE RANGE	V DC	7~ 13.8
MAX. AIRFLOW	m ³ /min (CFM)	0.66 (23.3)
MAX. STATIC PRESSURE	Pa (inchH ₂ O)	46 (0.18)
RATED CURRENT	A	0.1
RATED SPEED	min ⁻¹	4600±460
INSULATION RESISTANCE (NOTE 2-2)	-	10M Ω 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	-	60,000 h / 60 ℃ (L10, CONTINUOUS OPERATION)
SOUND PRESSURE LEVEL (NOTE 2-3)	dB(A)	30
MASS	g	APPROX. 70
MATERIAL	-	FRAME, IMPELLER : PLASTICS
BEARING SYSTEM	-	2 BALL BEARINGS

<REFERENCE AIRFLOW-STATIC PRESSURE CHARACTERISTICS>



- 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。
- 2-5. FAN MIGHT NOT START UP NORMALLY IF THE IMPELLER IS ROTATING WHEN THE POWER IS TURNED ON.
電源投入時、羽根が空転していると正常に起動できない場合がある。

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。

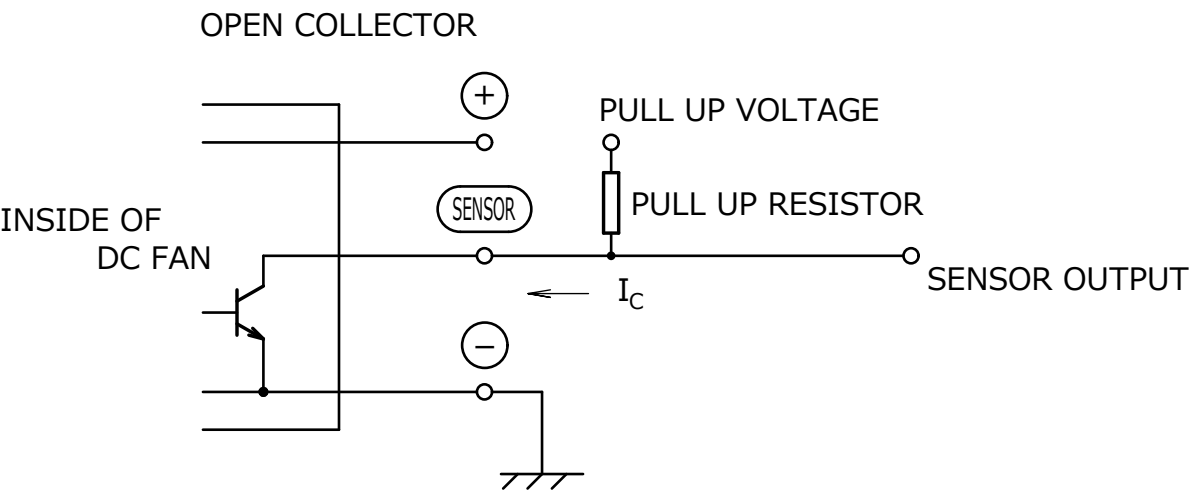
2-2. MEASURED BETWEEN LEAD WIRE CONDUCTORS AND FRAME.
リード線導体部とフレームとの間。

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

		ECN No. E0220317	名称 Title San Ace 60 (9RA) RIBLESS/PULSE_SENSOR		
単位 Unit mm	新規 New Design J.FERNANDEZ 21-05-18				
尺度 Scale -	図面番号 Dwg. No. 9RA0612S40011				Rev. C
SANYO DENKI			SANYO DENKI CO.,LTD. ISSUED	承認 Approved By TE.YAMAZAKI 24-01-10	審査 Checked By R.MOLINO 24-01-10
				設計 Designed By P.MENDOZA 23-11-29	
5 1 6 A 3 G - # 5			Group D12	User E0	Page 2/3

3. SENSOR SPECIFICATIONS

<OUTPUT CIRCUIT>

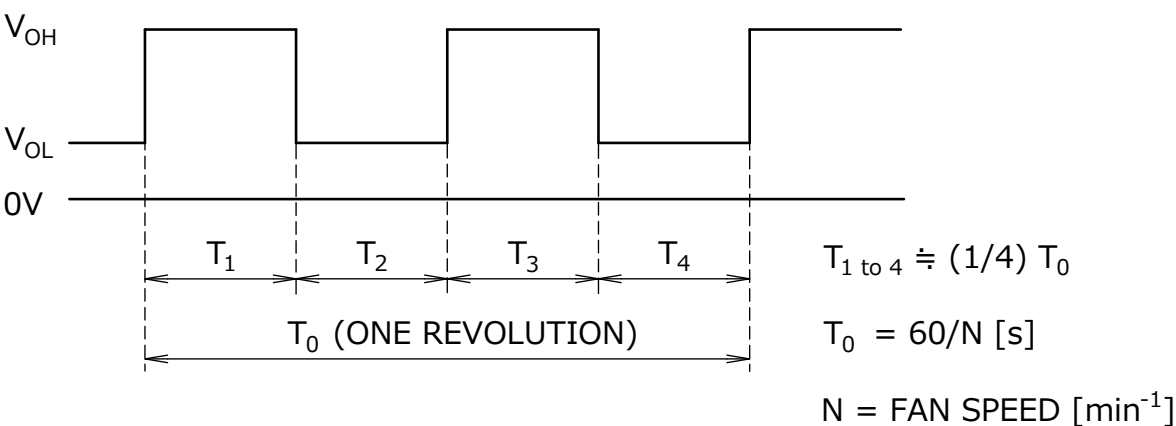


<SENSOR SPECIFICATIONS>

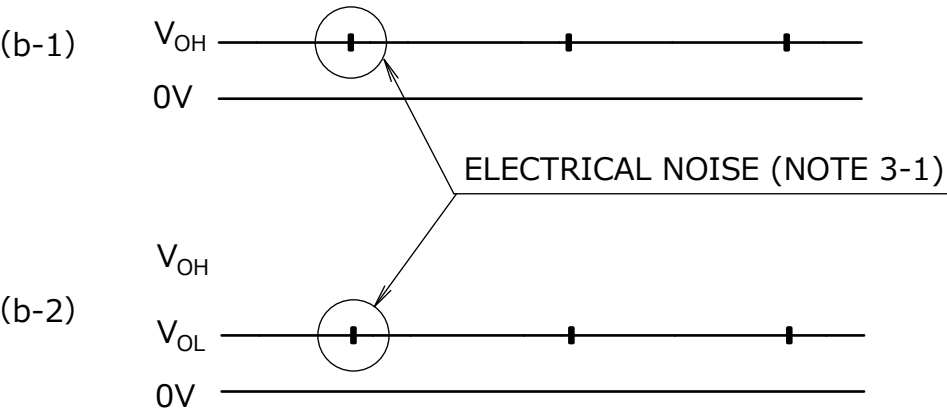
ITEM	SYMBOL	UNIT	MAX.
PULL UP VOLTAGE	-	V	15
COLLECTOR - EMITTER VOLTAGE (V _{CE})	V _{OH}	V	15
COLLECTOR CURRENT	I _C	mA	5
COLLECTOR SATURATION VOLTAGE (V _{CE} (SAT))	V _{OL}	V	0.6

<OUTPUT WAVEFORM>

(a) IN CASE OF STEADY RUNNING



(b) IN CASE OF STEADY LOCKED ROTOR



NOTE 3-1. ELECTRICAL NOISE MAY APPEAR ON V_{OL} WHEN THE MOTOR IS AUTO-RESTART.
モータの自動再起動動作にともない、V_{OL}にノイズが載ることがある。

3-2. IF REQUIRED TO KEEP THE V_{OL} LOW, LOWER THE V_{OH} OR SET THE I_C SMALLER.
V_{OL}を低くする場合は、V_{OH}を下げるかI_Cを小さく設定すること。

	ECN No.	名称 Title		
	E0220317	San Ace 60 (9RA) RIBLESS/PULSE_SENSOR		
単位 Unit	新規 New Design			
mm	J.FERNANDEZ 21-05-18			
尺度 Scale	図面番号 Dwg. No.	9RA0612S40011		Rev. C
-				
SANYO DENKI		承認 Approved By TE.YAMAZAKI 24-01-10	審査 Checked By R.MOLINO 24-01-10	設計 Designed By P.MENDOZA 23-11-29
A 3 G - P 5		Group D12	User E0	Page 3/3