

# Design Change Notification

October 12th, 2022

To: Sanyo Denki America Cooling DistributorsSANYO DENKI CO.,LTD.  
Design Dept., Cooling Systems Div.

Product: BLDC FAN MOTOR

Model: San Ace 40T (9GT) 40mm sq. x 28mm thick  
(Please refer Attached Sheet for a complete part number list.)

Approved	Checked	Designed
		

SANYO DENKI America, Inc.  
Cooling Systems Division

No.	Contents	Before Change	After Change	Description
1	Motor drive IC, electronic parts, Motor Windings and PWB	Use motor drive IC manufactured by ON-Semiconductor.	Use motor drive IC manufactured by Toshiba.	Change to the motor drive IC due to discontinuation of production by the semiconductor manufacturer. Also change to some electric parts except IC, Motor windings and PWB due to the change of the motor drive IC.
2	Specifications	See the Attached Sheet.	See the Attached Sheet.	
3	Implementation Date			Implementation Date: From May, 2023 production (Estimated). Please note that the changeover schedule to new IC may change according to the number of products in the inventory.

**No. A0053347 - Attached Sheet 1 - 1/1**

## [MODEL LIST]

San Ace 40 (9GT) – 40mm x 28mm thick

MODEL	Change contents
9GT0424J3001 9GT0424J3002 9GT0424J3D001 9GT0424J3D003	Attached Sheet 2
9GT0424P3J001 9GT0424P3J003 9GT0424P3JD001	Attached Sheet 3

**No. A0053347 - Attached Sheet 2 – 1/1**

[MODEL]

9GT0424J3001, 9GT0424J3002,  
9GT0424J3D001, 9GT0424J3D003

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LV8860	TC78B006
	Manufacture	On-semiconductor	Toshiba
Operating voltage		No change	
Electrical current		No change	
Speed		No change	
Operating temp.		No change	
Sound pressure level		No change	
Control terminal		Non-applicable	
Air flow – static pressure character		No change	
PWM duty cycle - Speed characteristic		Non-applicable	
Sensor spec.		No change	
Life Expectancy		No change	

**No. A0053347 - Attached Sheet 3 - 1/3**

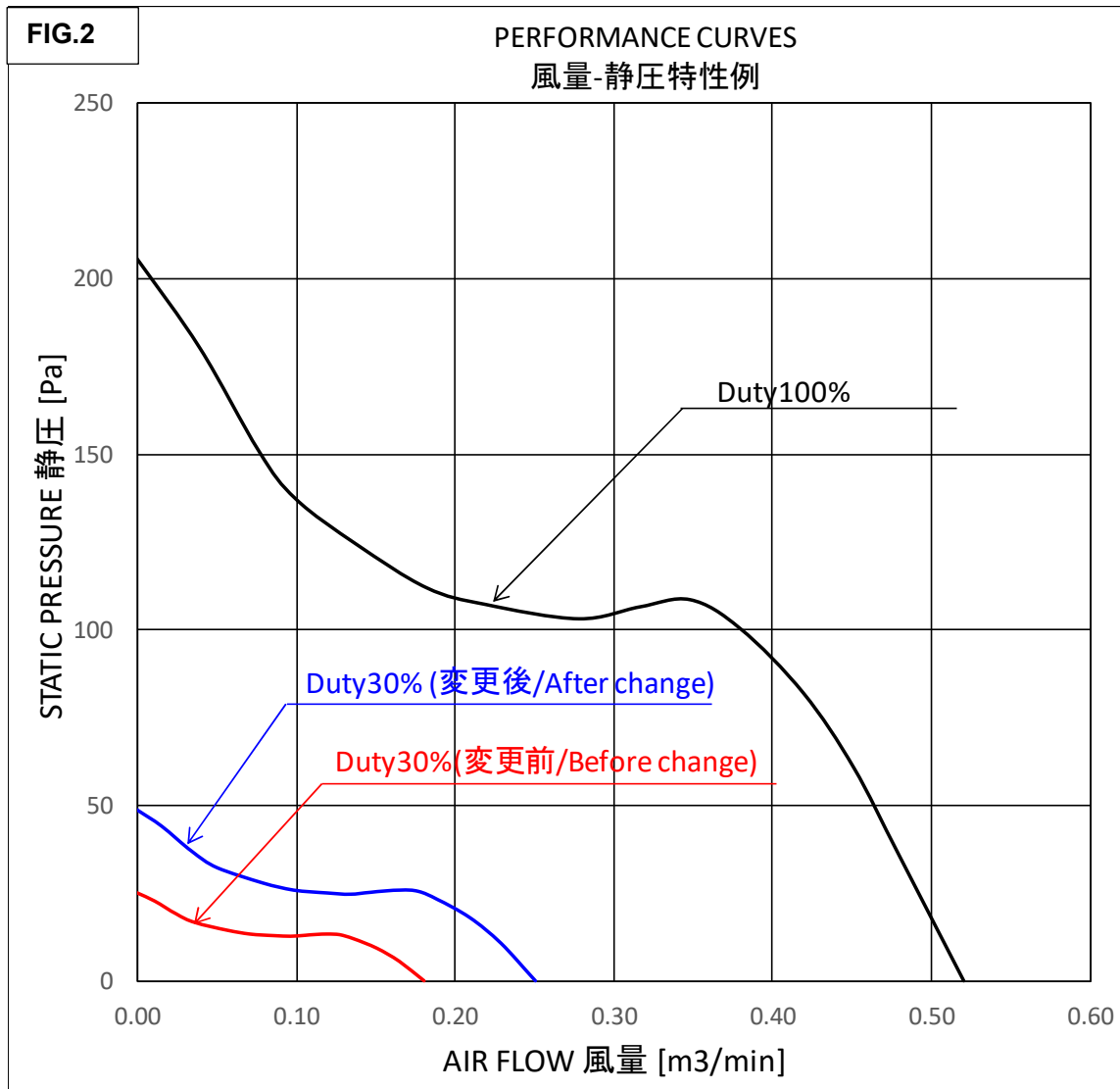
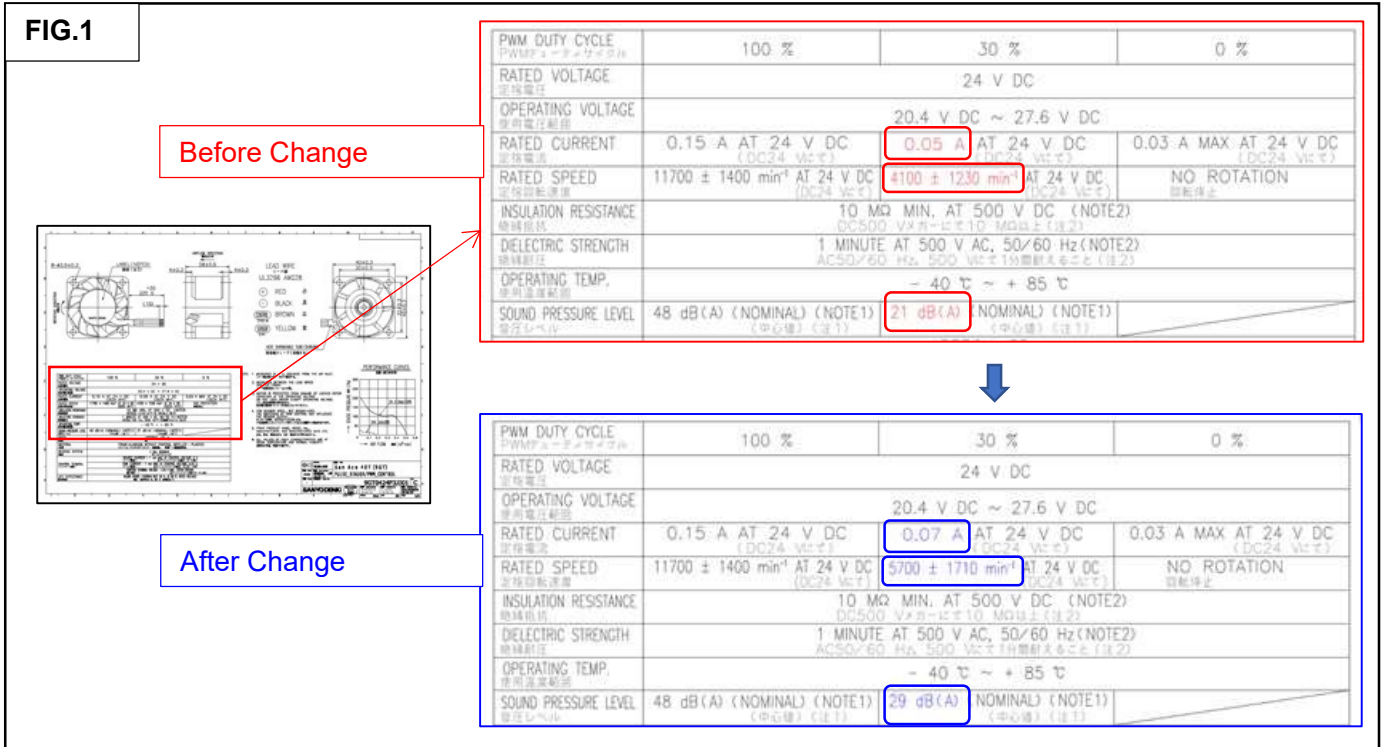
[MODEL]

9GT0424P3J001, 9GT0424P3J003,  
9GT0424P3JD001

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LV8860	TC78B006
	Manufacture	On-semiconductor	Toshiba
Operating voltage		No change	
Electrical current		0.05[A] AT PWM DUTY 30% Refer to FIG.1	0.07[A] AT PWM DUTY 30% Refer to FIG.1
Speed		4100[mim <sup>-1</sup> ] AT PWM DUTY 30% Refer to FIG.1	5700[mim <sup>-1</sup> ] AT PWM DUTY 30% Refer to FIG.1
Operating temp.		No change	
Sound pressure level		21[dB(A)] AT PWM DUTY 30% Refer to FIG.1	29[dB(A)] AT PWM DUTY 30% Refer to FIG.1
Control terminal		No change	
Air flow – static pressure character		Refer to FIG.2	
PWM duty cycle - Speed characteristic		Refer to FIG.3	
Sensor spec.		No change	
Life Expectancy		No change	

No. A0053347 - Attached Sheet 3 - 2/3



## No. A0053347 - Attached Sheet 3 - 3/3

