

Design Change Notification

September 7th, 2022

To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR _____

Model: San Cooler 92 (9A) 92mm sq. x 25mm thick
(Please refer Attached Sheet for a complete part number list.)

SANYO DENKI CO.,LTD.
Design Dept., Cooling Systems Div.

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 Rohm.	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 July, 2023 production (Estimated). Please note that the changeover schedule to new IC may change according to the number of products in the inventory.

No. A0053375 - Attached Sheet 1 – 1/2

[MODEL LIST]

San Cooler 92 (9A) – 92mm x 25mm thick

MODEL	Change contents
9A0924S401	Attached Sheet 2
9A0924S4011	
9A0924S404	
9A0924S4041	
9A0924S410	
9A0924H401	
9A0924H4011	
9A0924H4051	
9A0924H4071	
9A0924H417	
9A0924F401	
9A0924F4011	
9A0924F404	
9A0924F406	
9A0924F407	
9A0924F408	
9A0924M401	
9A0924M4011	
9A0924L401	
9A0924L4011	
9A0924A403	
9A0924H4011-A02	
9A0924S402	Attached Sheet 3
9A0924S4021	
9A0924S4031	
9A0924S405	
9A0924S4051	
9A0924S406	
9A0924S4061	
9A0924S4071	
9A0924S409	
9A0924S411	
9A0924S413	
9A0924S415	

MODEL	Change contents
9A0924H402	Attached Sheet 3
9A0924H4021	
9A0924H404	
9A0924H4061	
9A0924H409	
9A0924H4091	
9A0924H410	
9A0924H4101	
9A0924H413	
9A0924H414	
9A0924H415	
9A0924H416	
9A0924H418	
9A0924H419	
9A0924H420	
109-N0004	
109-N0008	
9A0924F402	
9A0924F4021	
9A0924F409	
9A0924M402	
9A0924M4021	
9A0924L402	
9A0924L4021	
9A0924S406-A01	

No. A0053375 - Attached Sheet 1 – 2/2

[MODEL LIST]

San Cooler 92 (9A) – 92mm x 25mm thick

MODEL	Change contents
9A0924S4D01	Attached Sheet 4
9A0924S4D011	
9A0924S4D03	
9A0924S4D031	
9A0924S4D04	
9A0924S4D05	
9A0924S4D06	
9A0924H4D01	
9A0924H4D011	
9A0924H4D031	
9A0924H4D06	
9A0924H4D07	
9A0924F4D01	
9A0924F4D011	
9A0924M4D01	
9A0924M4D011	
9A0924M4D03	
9A0924M4D04	
9A0924M4D05	
9A0924L4D01	
9A0924L4D011	
9A0924SZ4031	Attached Sheet 5

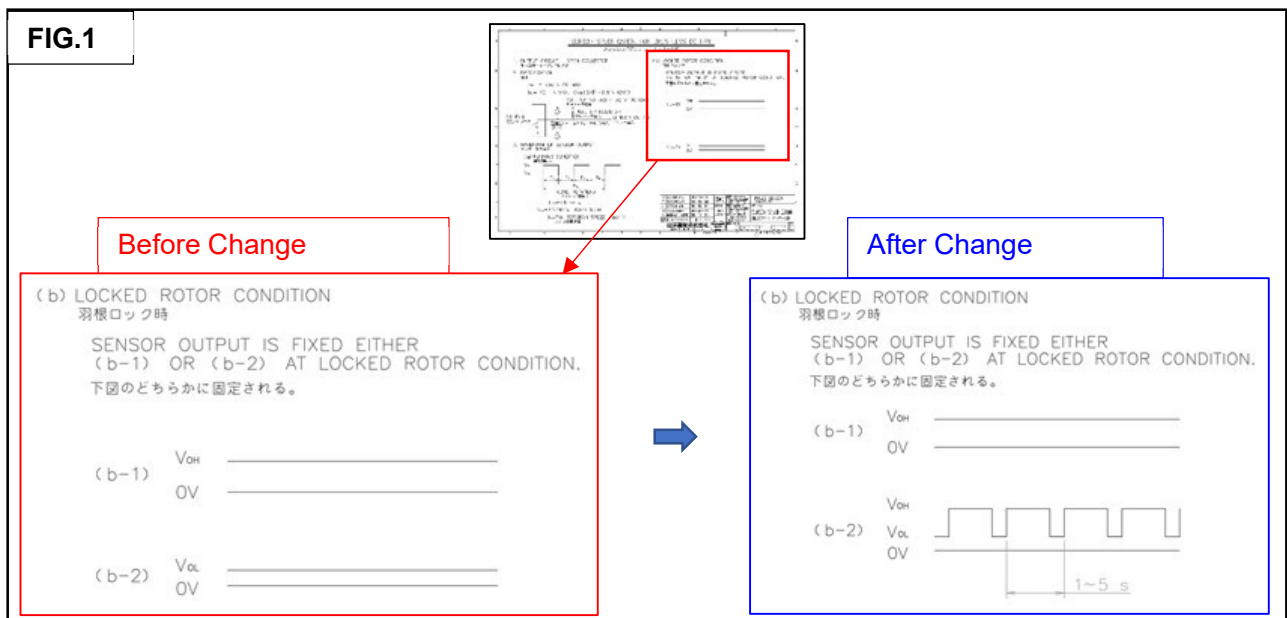
No. A0053375 - Attached Sheet 2 - 1/1

[MODEL]

9A0924S401, 9A0924S4011, 9A0924S404, 9A0924S4041, 9A0924S410,
 9A0924H401, 9A0924H4011, 9A0924H4051, 9A0924H4071, 9A0924H417,
 9A0924F401, 9A0924F4011, 9A0924F404, 9A0924F406, 9A0924F407, 9A0924F408,
 9A0924M401, 9A0924M4011,
 9A0924L401, 9A0924L4011,
 9A0924A403,
 9A0924H4011-A02

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB1868M	BA6406
	Manufacture	On-semiconductor	Rohm
Operating voltage		No change	
Electrical current		No change	
Speed		No change	
Operating temp.		No change	
Sound pressure level		No change	
Air flow – static pressure character		No change	
Sensor spec.		Behavior of pulse sensor when locked rotor condition. Refer to FIG.1.	
Life Expectancy		No change	



No. A0053375 - Attached Sheet 3 - 1/1

[MODEL]

9A0924S402, 9A0924S4021, 9A0924S4031, 9A0924S405, 9A0924S4051, 9A0924S406, 9A0924S4061,
 9A0924S4071, 9A0924S409, 9A0924S411, 9A0924S413, 9A0924S415,
 9A0924H402, 9A0924H4021, 9A0924H404, 9A0924H4061, 9A0924H409, 9A0924H4091, 9A0924H410,
 9A0924H4101, 9A0924H413, 9A0924H414, 9A0924H415, 9A0924H416, 9A0924H418, 9A0924H419,
 9A0924H420, 109-N0004, 109-N0008,
 9A0924F402, 9A0924F4021, 9A0924F409,
 9A0924M402, 9A0924M4021,
 9A0924L402, 9A0924L4021,
 9A0924S406-A01

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB1868M	BA6406
	Manufacture	On-semiconductor	Rohm
Operating voltage		No change	
Electrical current		No change	
Speed		No change	
Operating temp.		No change	
Sound pressure level		No change	
Air flow – static pressure character		No change	
Sensor spec.		Non-applicable	
Life Expectancy		No change	

No. A0053375 - Attached Sheet 4 - 1/1

[MODEL]

9A0924S4D01, 9A0924S4D011, 9A0924S4D03, 9A0924S4D031, 9A0924S4D04, 9A0924S4D05,
 9A0924S4D06,
 9A0924H4D01, 9A0924H4D011, 9A0924H4D031, 9A0924H4D06, 9A0924H4D07,
 9A0924F4D01, 9A0924F4D011,
 9A0924M4D01, 9A0924M4D011, 9A0924M4D03, 9A0924M4D04, 9A0924M4D05,
 9A0924L4D01, 9A0924L4D011

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB1868M	BA6406
	Manufacture	On-semiconductor	Rohm
Operating voltage		No change	
Electrical current		No change	
Speed		No change	
Operating temp.		No change	
Sound pressure level		No change	
Air flow – static pressure character		No change	
Sensor spec.		No change	
Life Expectancy		No change	

No. A0053375 - Attached Sheet 5 - 1/1

[MODEL]

9A0924SZ4031

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB1868M	BA6406
	Manufacture	On-semiconductor	Rohm
Operating voltage		No change	
Electrical current		No change	
Speed		No change	
Operating temp.		No change	
Sound pressure level		No change	
Control specification		No change	
Air flow – static pressure character		No change	
Sensor spec.		No change	
Life Expectancy		No change	