

January 7, 2015

For Immediate Release

SANYO DENKI AMERICA, INC
468 Amapola Avenue, Torrance, CA 90501

SANYO DENKI Launches Wide Temperature Range Fans with Industry-leading -40°C to +85°C Operating Temperature Range

SANYO DENKI CO., LTD. has developed and launched six sizes of their new wide temperature range fan. With an industry-leading operating temperature range of -40°C to +85°C, they are suitable for a wide variety of applications in which conventional fans could not be used.

These products have the PWM control function, designed for controlling the rotational speed of the fan from the device side.

Features

Industry Leading Operating Temperature Range

These products operate in a wide temperature range of -40°C to +85°C.

They can be safely used in both low-temperature and high-temperature applications ranging from refrigerators and freezers to heat-generating lighting devices. With these new products, the San Ace lineup can now serve in conventional applications such as communications devices, PV inverters, and rapid EV charging stations in even more demanding environments.

* Information based on our own research as of November 13, 2014, collected among same size axial DC cooling fans for industrial use.

Lineup

| | |
|--------------|-------------------------------|
| San Ace 40T | Size: 40 mm x 40 mm x 28 mm |
| San Ace 60T | Size: 60 mm x 60 mm x 25 mm |
| San Ace 80T | Size: 80 mm x 80 mm x 25 mm |
| San Ace 92T | Size: 92 mm x 92 mm x 25 mm |
| San Ace 92T | Size: 92 mm x 92 mm x 38 mm |
| San Ace 120T | Size: 120 mm x 120 mm x 38 mm |

Specifications:

Refer to accompanying sheets

Applications:

Refrigerators and freezers, heat-generating lighting devices, communications devices, PV inverters, and rapid EV charging stations

Release Date:

November 13, 2014

Projected Sales Figures

For each size; Initial fiscal year: 1,000 units per month, Second fiscal year: 3,000 units per month

Price:

Open

Photo

*The information stated in this release is current as of November 13, 2014.

Robert Strand
SANYO DENKI AMERICA, INC
TEL: (310) 783-5400
e-mail: marketing@sanyo-denki.com

Accompanying sheets

Specifications

Size: 40 mm x 40 mm x 28 mm Mass: Approx. 55 g

| Model No. | Rated voltage [V] | Operating voltage range [V] | Rated input [W] | Rated rotating speed [min ⁻¹] | Max. airflow [m ³ /min] | Max. static pressure [Pa] | Sound pressure level [dB(A)] |
|---------------|-------------------|-----------------------------|-----------------|---|------------------------------------|---------------------------|------------------------------|
| 9GT0412P3J001 | 12 | 10.2 to 13.8 | 3.72 | 11,700 | 0.52 | 206 | 48 |
| 9GT0424P3J001 | 24 | 20.4 to 27.6 | 3.60 | 11,700 | 0.52 | 206 | 48 |

Size: 60 mm x 60 mm x 25 mm Mass: Approx. 100 g

| Model No. | Rated voltage [V] | Operating voltage range [V] | Rated input [W] | Rated rotating speed [min ⁻¹] | Max. airflow [m ³ /min] | Max. static pressure [Pa] | Sound pressure level [dB(A)] |
|---------------|-------------------|-----------------------------|-----------------|---|------------------------------------|---------------------------|------------------------------|
| 9GT0612P4G001 | 12 | 10.2 to 13.8 | 6.72 | 10,000 | 1.26 | 243 | 52 |
| 9GT0624P4G001 | 24 | 20.4 to 27.6 | 6.72 | 10,000 | 1.26 | 243 | 52 |

Size: 80 mm x 80 mm x 25 mm Mass: Approx. 130 g

| Model No. | Rated voltage [V] | Operating voltage range [V] | Rated input [W] | Rated rotating speed [min ⁻¹] | Max. airflow [m ³ /min] | Max. static pressure [Pa] | Sound pressure level [dB(A)] |
|---------------|-------------------|-----------------------------|-----------------|---|------------------------------------|---------------------------|------------------------------|
| 9GT0812P4S001 | 12 | 10.2 to 13.8 | 5.52 | 6,700 | 1.86 | 143 | 46 |
| 9GT0824P4S001 | 24 | 20.4 to 27.6 | 5.28 | 6,700 | 1.86 | 143 | 46 |

Size: 92 mm x 92 mm x 25 mm Mass: Approx. 150 g

| Model No. | Rated voltage [V] | Operating voltage range [V] | Rated input [W] | Rated rotating speed [min ⁻¹] | Max. airflow [m ³ /min] | Max. static pressure [Pa] | Sound pressure level [dB(A)] |
|---------------|-------------------|-----------------------------|-----------------|---|------------------------------------|---------------------------|------------------------------|
| 9GT0912P4J001 | 12 | 10.2 to 13.8 | 5.04 | 5,000 | 2.20 | 105 | 44 |
| 9GT0924P4J001 | 24 | 20.4 to 27.6 | 5.04 | 5,000 | 2.20 | 105 | 44 |

Size: 92 mm x 92 mm x 38 mm Mass: Approx. 270 g

| Model No. | Rated voltage [V] | Operating voltage range [V] | Rated input [W] | Rated rotating speed [min ⁻¹] | Max. airflow [m ³ /min] | Max. static pressure [Pa] | Sound pressure level [dB(A)] |
|---------------|-------------------|-----------------------------|-----------------|---|------------------------------------|---------------------------|------------------------------|
| 9GT0912P1M001 | 12 | 10.2 to 13.8 | 18.0 | 8,100 | 3.30 | 315 | 58 |
| 9GT0924P1M001 | 24 | 20.4 to 27.6 | 18.0 | 8,100 | 3.30 | 315 | 58 |

Size: 120 mm x 120 mm x 38 mm Mass: Approx. 420 g

| Model No. | Rated voltage [V] | Operating voltage range [V] | Rated input [W] | Rated rotating speed [min ⁻¹] | Max. airflow [m ³ /min] | Max. static pressure [Pa] | Sound pressure level [dB(A)] |
|---------------|-------------------|-----------------------------|-----------------|---|------------------------------------|---------------------------|------------------------------|
| 9GT1212P1S001 | 12 | 9.0 to 13.8 | 26.4 | 5,600 | 6.00 | 270 | 58 |
| 9GT1224P1S001 | 24 | 18.0 to 27.6 | 26.4 | 5,600 | 6.00 | 270 | 58 |

Common Specifications

Operating temperature range: -40 °C to +85 °C

Expected life: 40,000 hours

(L10: Survival rate: 90 % at 85°C, rated voltage, and continuously run in a free air state)