

Sanyo Denki Products Support Industrial Equipment

Long and Stable Operation of Equipments

DC Cooling Fans which enable industrial equipment to operate with stability, and are extensively used in the Industrial field.

- That is **San Ace** .

(e.g.) Vending machine



◆ Success Story 1: Realize Maintenance free of Device with Long Life Fan

Application:	Single Wafer Cleaning Cleaning device which equally sprays wash solution on wafer sur
Fan Type:	Long life Fan San Ace 60L (60x25mm)
Purpose:	To cool the control board
Issues/Problems:	Conventional fans needed to be replaced every 2 to 3 yrs. Customer expected to reduce the maintenance man-hours of cooling fans.
Solution:	We suggested Long Life Fan with the industry's top life expectancy of 100,000hrs (approx.11yrs) at the ambient temperature of 60°C.
Merit:	The maintenance man-hours is reduced and the reliability of the device is enhanced because the fan now only needs to be replaced every 11yrs.



◆ Success Story 2: Realize High Reliability and Maintenance Free of Device with Oil Proof Fan

Application:	Servo Amplifier for Industrial Machines
Fan Type:	Oil Proof Fan San Ace 120WF (120x38mm)
Purpose:	For cooling the external part of servo amplifiers
Issues/Problems:	Customer expected to ensure stable operation even under harsh conditions (where an oil mist is generated by using cutting fluids), and reduce the maintenance cost.
Solution:	We suggested IP55 Oil Proof Fan with life expectancy of 40,000hrs (approx. 4 to 5yrs) at an ambient temperature of 60°C, which can operate with stability in a high density of oil mist.
Merit:	The maintenance man-hours is reduced and the reliability of the device is enhanced.



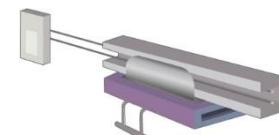
◆ Success Story 3: Realize reduction in noise level of Device with Silent Fan



Application:	Ionizer
Fan Type:	Silent Fan San Ace 120S (120x25mm)
Purpose:	For removing the static electricity generated in the manufacturing process and to deliver electron-ion.
Issues/Problems:	Customer expected to reduce the noise of the ionizers while generating a high density of electron-ion.
Solution:	By proposing the customer's device design for fans to blow wind straight forward more easily, our fans made it possible for the device to deliver a high density of electron ions.
Merit:	The noise level of the Ionizer is reduced from 35dB to 30dB For reference: The noise level in midnight in countryside and a whispering voice is said to be 30dB.

◆ Success Story 4: Realize Maintenance Free of Device with Long Life Fan

Application:	Power Supply Control Board for LC /Semiconductor wafer carrier devices
Fan Type:	Long Life Fan San Ace 120L (120x38mm) San Ace 140L (140x51mm)
Purpose:	120mm fan for cooling heat sink in the control board, and 140mm fan for air-ventilation
Issues/Problems:	Customer expected to reduce the maintenance man-hours since conventional fans needed to be replaced every 2 to 3 yrs.
Solution:	We suggested Long Life Fan with the industry's top life-expectancy of 100,000hrs (approx. 11yrs) at an ambient temperature of 60°C.
Merit:	The maintenance man-hours is dramatically reduced and the reliability is enhanced because the fan now only needs to be replaced every 11 yrs.



San Ace

DC Fan

Products of Cooling Systems

Other applications: packing machine and food-processing machine etc.

■ Blower San Ace B Type

◆ DC Blower specialized for high static pressure, and suitable for heat generating devices.



■ Splash Proof Fan San Ace W Oil Proof Fan San Ace WF

◆ Splash Proof Fan with water resistance performance

◆ Oil Proof Fan can be used under oil-misty environment

■ Low Power Consumption Fan San Ace GA Type

◆ Power consumption of Low Power Consumption Fan is reduced by 30% compared with our conventional products.



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※For more details on our products, please visit our website at www.sanyodenki.co.jp
※Please read the instruction manual carefully before installing, connecting, operating, maintaining, or inspecting the product.

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