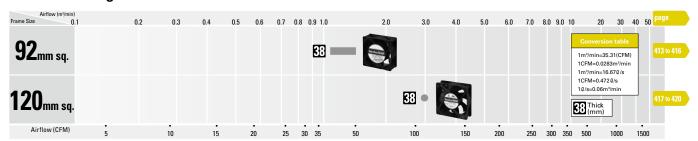
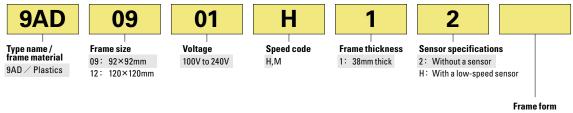
ACDC Fan

This fan works while internally converting AC power into DC power, providing the superior performance of a DC fan with the flexibility of AC input.

Domain Diagram



Model Numbering System Not every combination of the following codes or characters is available. Contact us for an available combination.



Nil: Plastics frame: Ribbed frame 1: Plastics frame: Ribless frame

How to Read Specifications

ACDC Fan													AC
	1	2	3	4	(5)	6	(7)	8		9	10	11)
Model No.		Operating Voltage Range				Rated Speed				ic Pressure	SPL	Operating Temperature	
	[V]	[V]	[Hz]	[A]	[W]	[min ⁻¹]	[m³/min]	[CFM]	[Pa]	[inchH ₂ 0]	[dB(A)]	[°C]	[h]
9AD0901H12	100 to 240	90 to 264	50/60	0.08	4.5	3,850	1.50	53.0	90	0.36	40	$\frac{40}{33}$ -20 to +75	60,000/60°C
9AD0901M12	100 to 240			0.06	3.0	3,100	1.18	41.7	56	0.22	33		
①Rated Voltage·····This is the necessary voltage to drive the fan.													
Single-phase 100 VAC to 240 VAC are also available.													
©Operating Voltage Range ··· The voltage range over which fan operation is guaranteed. 50/60Hz compatible.													
3Frequency ·····		•	•			ū					o oviotir	a in Japan	
. ,			,	·					JHZ aliu	OUTZ ale	e existii	ig iii Japaii.	
Rated Current													
⑤Rated Input·····		•	-										
®Rated Speed ······The rotating speed during the fan's rated operation without load.													
①Max. Airflow ·······The maximum air volume that the fan can output during rated operation													
(according to the company's dual-chamber device).													
The volume of air generated by the fan in a given time period.													
®Max. Static Pressure ·······The maximum static pressure value that the fan can output during rated operation													
(according to the company's dual-chamber device).													
	The static pressure is the fan's force to propel air by overcoming the resistance of the device that uses the fan												
		when it prope		iic iaii 3	10100 10	proper an	by over	corriing	110 103	istance	or the c	device that use	33 the fair
@CDI						la allala da			.1				
		Please refer to	the tech	nıcal mat	erial sect	ion for the	e method	d used t	o measi	ure the r	oise lev	vel.	
®Operating Temp	perature	·The temperati	ure range	over which	ch fan op	eration is	guarante	ed (No	n- conde	ensing)			
®Expected LifeThe fan's expected operating life when the fan operates continuously at the rated volta									voltage	at a temperat	ure of 60°		
		C and at relative humidity of 90%.											

ACDC Fan Common Specifications

Material ·····Frame, Impeller: Plastics * For details, refer to the appropriate page.

Expected Life · · · · · · · · Varies for each model

(L10:Survival rate:90% at 60° C , rated voltage,and continuously run in a free air state)

Motor Construction · · · · · · · Brushless DC motor

Motor Protection System · · Burnout protection at locked rotor condition

Dielectric Strength · · · · · · · 50/60Hz 1500VAC 1minute

(between input terminal and frame, and between sensor output and frame)

Please refer to the technical material section for the expected operating life.

Insulation Resistance \cdots 10M Ω or more at 500VDC megger (between lead conductor and frame)

Sound Pressure Level(SPL) · · Expressed as the value at 1m from air inlet side

Operating Voltage Range ··· Varies depending on models.

Lead WireFor details, refer to the appropriate page.

Overheating protection function

Protection Functions

If the fan blades are restricted, an overcurrent occurs and leads to a rise in the fan coil temperature. This can result in reduced performance, damage, or a fire. To prevent this from occurring, SANYO DENKI's fans incorporate an overheating protection function.

Burnout protection function at locked rotor condition

Current cutoff system (ACDC fan only)

If the fan blades are restricted, the coil current is cut off at regular cycles to prevent overheating of the coil. When the hindrance is removed, the fan restarts automatically.