

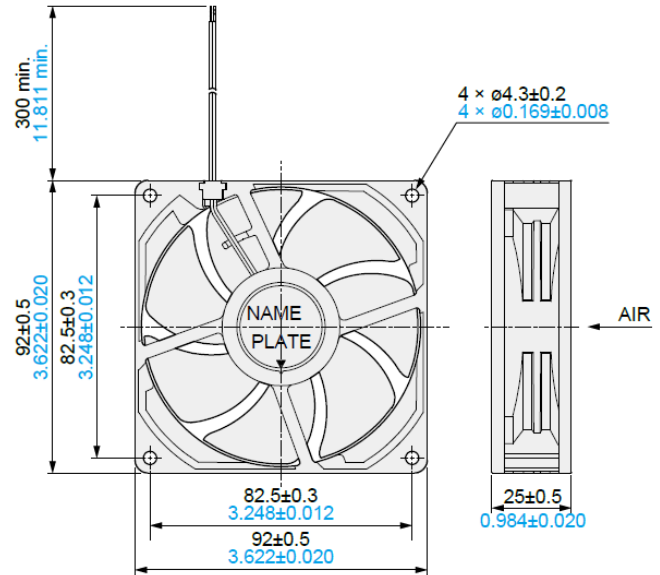
DC Fan motor □92 × 25t (ASFP9)

(ASFP series)



RoHS compliant

Dimensions (mm in)



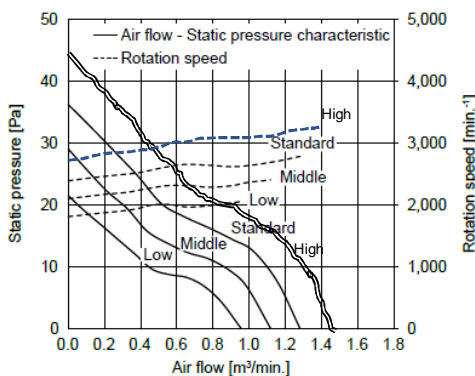
Rating

High Speed

Part No.	Rated voltage	Rated current [mA] (Max.)	Rated power consumption [W] (Max.)	Rotation speed [min. ⁻¹] (Ave.)	Max. static pressure [Pa] (Ave.)	Max. air flow [m ³ /min.] (Ave.)	Noise [dB(A)] (Ave.)	Operating voltage range	Weight [g]
ASFP96371	DC12V	max.200 / 160	max.2.40 / 1.92	min.2900 / 3100	min.36.0 / 45.0	min.1.30 / 1.45	max.37.0 / 32.0	6-13.8V	102
ASFP96372	DC24V	max.100 / 80	max.2.40 / 1.92					12-26.4	102
ASFP96391	DC12V	max.200 / 160	max.2.40 / 1.92					6-13.8V	102
ASFP96392	DC24V	max.100 / 80	max.2.40 / 1.92					12-26.4	102

Note: Noise levels are based on measurements taken at a distance of 1 m 3.281 ft from the front of the fan.

Data (air flow - static pressure characteristic)



Materials used

Frame: plastic
Propeller: plastic
Bearings: ball bearings
Lead wires: UL3385 and AWG26

Specifications

Ambient temperature	-10 to +60 °C +14 to +140 °F	
Humidity resistance test conditions	+85 °C +185 °F, 95 % RH, 240 hours	
Temperature rise	Coil surface: Max. +50 °C +122 °F (Rated voltage, by resistive method) External surface: Max. +20 °C +68 °F (Rated voltage, by thermocouple method)	
Breakdown voltage	500 V AC for 1 min. (between lead wire and external housing)	
Insulation resistance	Min. 10 MΩ (at 500 V DC)	
Vibration resistance	Frequency	10 to 55 Hz
	Double amplitude width	0.75 mm 0.030 in
	Applied direction	X, Y and Z directions
	Applied time	10 min. in each direction
Lead wire tensile strength	9.8 N, single wires did not break at 15 seconds	
Fan blockage	No coil burnout even after blockage of 72 hours at rated voltage.	
Reverse polarity power connection	No damage even after reverse polarity connection for short time at rated voltage.	
Expected life	40,000 hours at +60 °C +140 °F (Working life, at continuous powering at rated voltage, assumes a value of +15 % or higher current and -15 % or lower rotation speed.)	

Wiring diagram

