



Discontinued as of August 31, 2011

**Panasonic**  
ideas for life

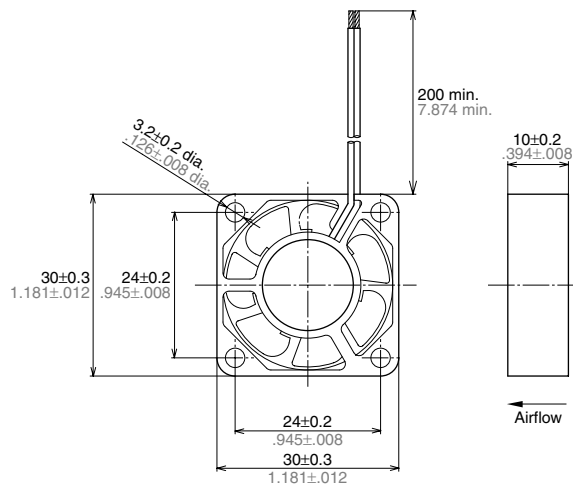
DC Fan Motor

30 sq.×10t  
(ASFN3)

NEW



## DIMENSIONS (mm inch)



RoHS Directive compatibility information  
<http://www.nais-e.com/>

## RATING

### 1. Standard speed

Part number	Rated voltage (V)	Input power*1/*2 (W)	Rated current*1/*2 (mA)	Rotation speed (r/min)	Max. air flow (m³/min)	Max. static pressure (Pa)	Noise (dB(A))	Weight (g)
ASFN30770	5	1.20/0.90	240/180	10,500	0.110	54.0	27	8.5
ASFN30771	12	1.44/0.96	120/80					

### 2. Middle speed

Part number	Rated voltage (V)	Input power*1/*2 (W)	Rated current*1/*2 (mA)	Rotation speed (r/min)	Max. air flow (m³/min)	Max. static pressure (Pa)	Noise (dB(A))	Weight (g)
ASFN32770	5	1.00/0.70	200/140	9,000	0.091	37.0	23	8.5
ASFN32771	12	1.20/0.84	100/70					

### 3. Low speed

Part number	Rated voltage (V)	Input power*1/*2 (W)	Rated current*1/*2 (mA)	Rotation speed (r/min)	Max. air flow (m³/min)	Max. static pressure (Pa)	Noise (dB(A))	Weight (g)
ASFN34770	5	0.65/0.50	130/100	7,500	0.078	29.0	21	8.5
ASFN34771	12	1.08/0.72	90/60					

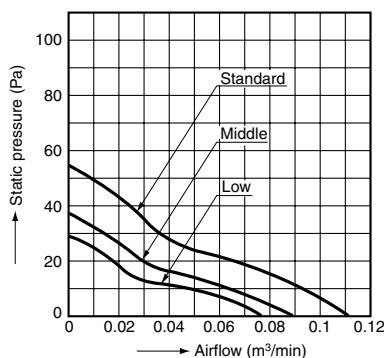
Notes: 1. Values above without designations are averages.

2. Noise levels are based on measurements taken at a distance of 1 m from the front of the fan.

\*1: Designates maximum values

\*2: Designates average values

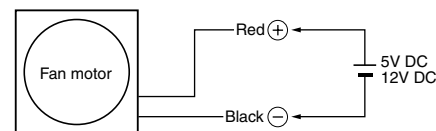
## DATA (Airflow - Static pressure Characteristic Curve)



## MATERIALS USED

Frame: plastic  
Propeller: plastic  
Bearings: ball bearings  
Lead wires: UL1061 and AWG26

## WIRING DIAGRAM



## SPECIFICATIONS

Ambient temperature	-10°C to +60°C +14°F to +140°F
Ambient humidity	15 to 85% RH
Temperature rise	Coil surface: Max. 50 °C 122°F (Nominal voltage, by resistive method) External surface: Max. 20°C 68°F (Nominal voltage, by thermocouple method)
Breakdown voltage	500 V AC for 1 min. (between lead wire and external housing)
Insulation resistance	Min. 10MΩ (at 500 V DC)
Vibration resistance	Frequency 10 to 55Hz Double amplitude width 0.75mm 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 hrs. at nominal voltage.
Reverse polarity power connection	No damage even after reverse polarity connection for short time at nominal voltage.
Expected life	90% survival rate at 50,000 hrs. (When rotation frequency drops 30% of initial value when run at nominal voltage under 25°C 77°F, room humidity.)