

# PWM and Tach Output Brushless DC Fan 08038DA-12T (E-Type)

NMB

## General Specifications

### Motor Type:

DC Brushless Three Phase Motor

### Motor Protection:

Auto Restart / Polarity Protection (Motor withstands reverse connection for positive and negative leads.)

### Insulation Resistance:

10MΩ or over with a DC 500V Megger

### Dielectric Withstand Voltage:

AC 700V 1sec or 500V 1min

### Allowable Ambient Temperature Range:

-10°C ~ + 60°C (Operating)

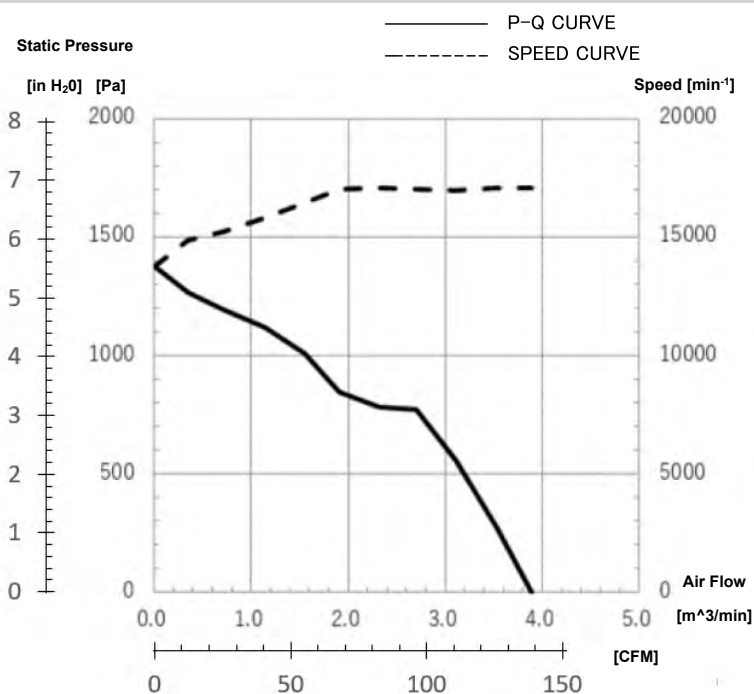
-40°C ~ + 70°C (Storage)

(non-condensing environment)



\*For reference only. Please refer to fan outline for details

## Characteristic Curves



## Features

- High Performance, four wire, PWM fan with tach signal
- Efficient motor technology, high torque, and aerodynamic impeller design
- Energy saving, low vibration, and increased life expectancy
- Available in 12 volts with tach output and PWM speed control
- Outfitted with NMB precision machined ball bearings for long life
- Three phase motor design for high speed and efficient cooling

## Life Expectancy L10

70,000 Hours at 40°C

\*Fan life expectation is based on free air operation at 40°C, rated voltage, and indoor benign lab environment

\*1: Values in Free Air

## Specifications

MODEL	Rating Voltage	Operating Voltage	Current		Input Power		Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	Avg	Max	Avg	Max		(CFM)	(m <sup>3</sup> /min)	(in H <sub>2</sub> O)	(Pa)		
	(V)	(V)	(A)*1	(A)*1	(W)*1	(W)*1	(min <sup>-1</sup> )*1	(CFM)	(m <sup>3</sup> /min)	(in H <sub>2</sub> O)	(Pa)	(dB)*1	(g)
08038DA-12T-E6E-F	12	10.8 to 12.6	5.1	6.6	61.2	79.2	17,000	137.7	3.90	5.48	1370	76.5	240



