

PWM and Tach Output Brushless DC Fan **08080EA-12S (D-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

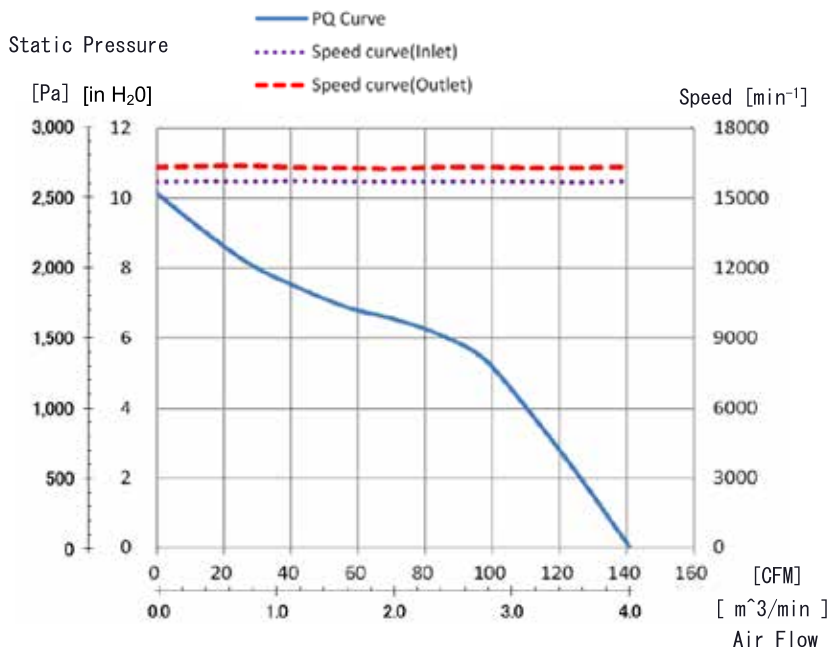
Allowable Ambient Temperature Range:

-10°C ~ + 60°C (Operating)
-40°C ~ + 70°C (Storage)
(non-condensing environment)



*For reference only. Please see fan outline for details

Characteristic Curves



Features

- High performance counter rotating fan with eight wires and PWM 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 (V)	Operating Voltage (V)	Current		Input Power		Speed Inlet/Outlet		Max. Air Flow		Max. Static Pressure		Noise (dB) ^{*1}	Mass (g)
			Avg (A) ^{*1}	Max (A) ^{*1}	Avg (W) ^{*1}	Max (W) ^{*1}	RPM		(CFM)	(m ³ /min)	(in H ₂ O)	(Pa)		
08080EA-12S-E6D-2	12	10.8 to 13.2	8.0	9.8	96	118	15,800/16,300		141	3.99	10	2490	79	430

