

General Specifications

Motor Protection:

Auto Restart/Polarity Protection/Hot Swap: Available

Insulation Resistance:

min 10M Ω by DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

(non-condensing environment)

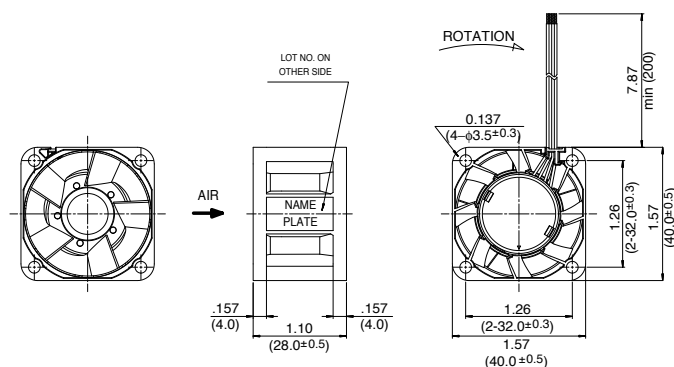
Expected Life

Failure Rate: 10%

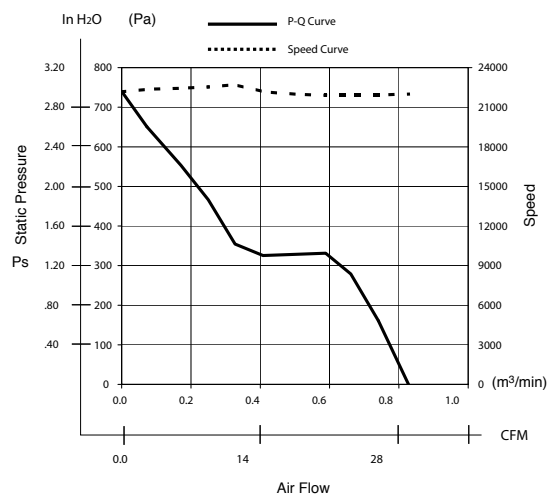
25°C 80,000 Hours

Outline

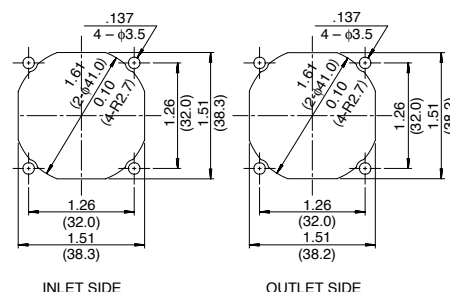
Units: $\frac{\text{inch}}{(\text{mm})}$



Characteristic Curves



Panel Cut-outs



Material

Casing : Plastic (Black) 94V-0

Impeller : Plastic (Black) 94V-0

Bearing : Ball Bearing

Lead Wire: UL10368, AWG26, +Red, -Black

Tach Sig. : White

PWM Control : Brown

PWM Control Voltage

Vst = 0V ~ 0.3V

Low Speed Duty 0%

Vst = 4.0V ~ 5.0V

High Speed Duty 100%

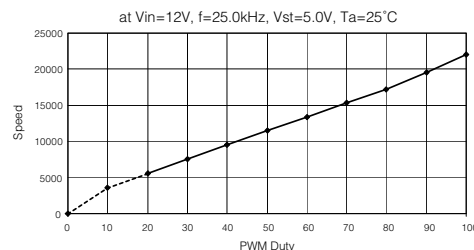
Vst = Open

High Speed Duty 100%

I_{PWM} = max 2.0mA

(At Ta = 25°C, rated voltage + 12VDC and f=25 kHz)

Reference PWM Duty vs Speed Curve



Specifications

MODEL	Product No.	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
		(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m³/min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
1611FT-D4W-B86-	BXX	12	10.8 ~ 13.2	.95	11.40	22,000	29.3	.83	2.68	670.0	60.0	49

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air