

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 ~ +60°C (Operating)

-40°C ~ +60°C (Storage)

(non-condensing environment)

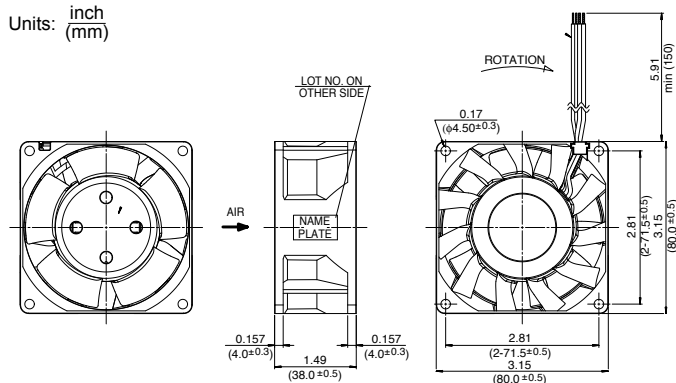
Expected Life

Failure Rate: 10%

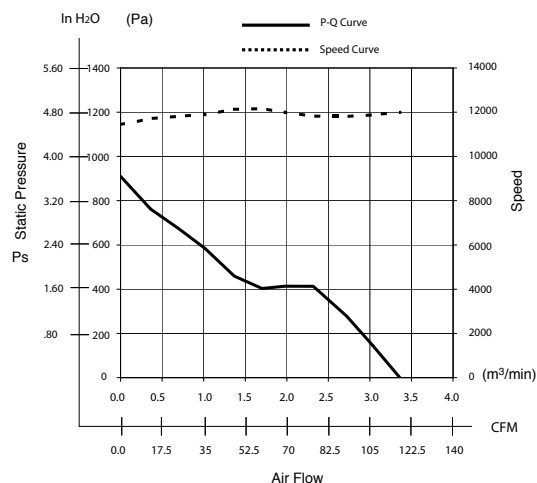
40°C 60,000 Hours

Outline

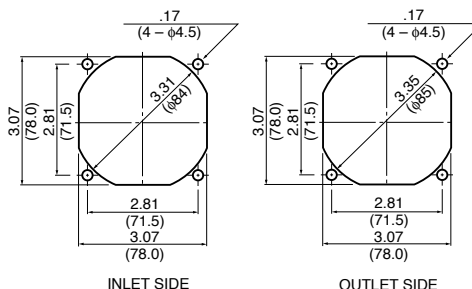
Units: $\frac{\text{inch}}{(\text{mm})}$



Characteristic Curves



Panel Cut-outs



Material

Casing : Plastic (Black) 94V-0

Impeller : Plastic (Black) 94V-0

Bearing : Ball Bearing

Lead Wire : UL3385, AWG20 or 22, +Red, -Black

Tach Sig. : White AWG22 or 24

PWM Control : Brown AWG22 or 24

PWM Control Voltage

V_{st} = 0V ~ 0.3V

V_{st} = 3.5V ~ 4.5V

V_{st} = Open

I_{PWM} = max 2.4mA

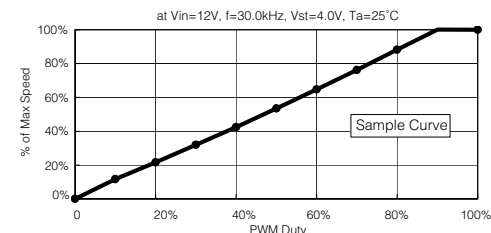
(At Ta = 25°C, rated voltage + 12VDC and f=30.0 kHz)

Low Speed Duty 0% = Low Speed

High Speed Duty 100% = Full Speed

High Speed Duty 100% = Full Speed

Reference PWM Duty vs Speed Curve



Specifications

MODEL	Product No.	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Flow		Max. Static Pressure		Noise	Mass
		(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m ³ /min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
3115FT-D4W-B86-	EXX	12	10.8 ~ 13.2	3.30	39.60	12,000	118.6	3.36	3.65	910.0	70.0	245

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air