

PWM and IP Protected DC Fan 17250VE (0-Type)

NMB

General Specifications

Motor Type:

DC Brushless 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 500V 1min or AC 700V 1sec

Allowable Ambient Temperature Range:

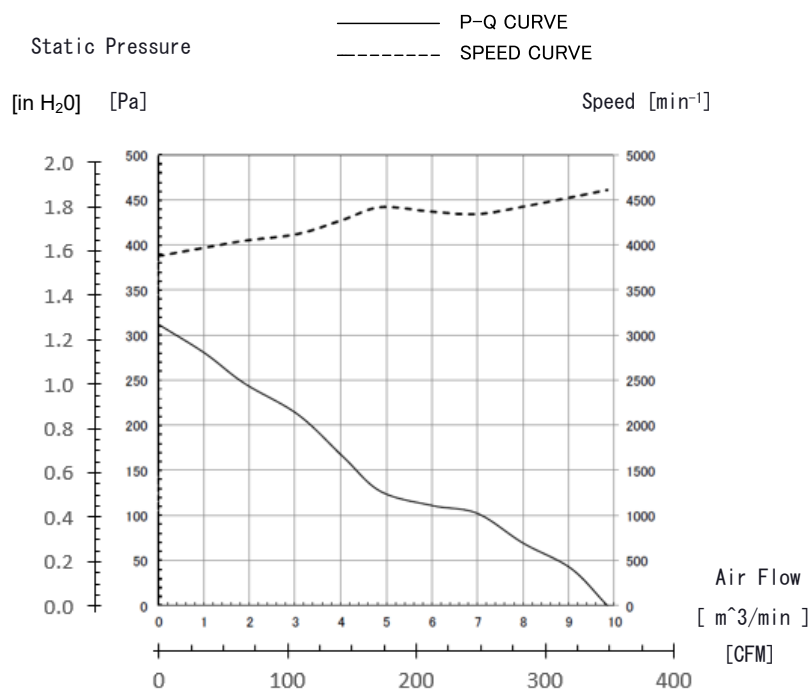
-10°C ~ + 70°C (Operating)

-30°C ~ + 70°C (Storage)

(non-condensing environment)

**For reference only. Please see fan outline for details*

Characteristic Curves



Features

- DC axial fan with outstanding P-Q performance, PWM speed control, tach output and IP68 potting
- Vertically integrated manufacturing, with components made in-house
- IP68 potting offers highest level of protection from water/dust ingress
- Outfitted with NMB precision machined ceramic ball bearings for long life and high temperature
- Ideal for applications such as EV chargers, PV inverters, telecom cabinets, small cell 5G network and outdoor applications

Life Expectancy L10

100,000 Hours at 25 Celsius

**Fan life expectation is based on free air operation at 25°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	Inlet/Outlet	(CFM)	(m^3/min)	($\text{in H}_2\text{O}$)	(Pa)	(dB)*1	(g)
	(V)	(V)	(A)*1	(A)*1	(W)*1	(W)*1	RPM	(CFM)	(m^3/min)	($\text{in H}_2\text{O}$)	(Pa)	(dB)*1	(g)
17250VE-48R-GU-01	48	38 to 52.8	0.90	1.10	43.2	52.8	4,600	346.1	9.8	1.25	312	62	950

17250VE (0-Type)

Outlines

(Name Plate)



Materials

Casing: OPTP

Impeller: Plastic (Black UL 94V-0)

Bearing: Stainless Steel Ball Bearing

Lead Wire: **10368 AWG22,24**

UL3443 AWG22,24 for

Red (+)

Black (-)

White (Tach)

Brown (PWM)

(Outline)



(Panel Out-line)

