

No.	Parameters	Value	Remarks
1	Rated Voltage	DC 12 ~ 27 V	
2	Direction of Rotation	CCW (Counter-Clockwise)	Looking down from the air inlet.
3	Kind of Gas	air	Noncorrosive gas
4	Configuration	Motor with Centrifugal Blade	Without driving circuit
5	Type of Motor	DC Brushless Motor	
6	Number of Poles	4 Poles (2 pole pairs)	
7	Drive System	3 Phase, Bipolar	
8	Bearings	Aerodynamic Bearings	
9	Impeller	Centrifugal Turbo Blade	
10	Mounting Direction	Shaft vertical to ground, air inlet facing upwards	No vibration, shock, or gyration is to be applied during operation.
11	Rated Rotation Speed	36,000 r/min (reference value)	at 2.0kPa, 100L/min
12	Maximum Input Coil Current	2.0 A rms max.	
13	Rated Power Supply Current	0.62 A max.	at 2.0kPa, 100L/min, at 24V
14	Rated Power Consumption	14.9 W max.	
15	Rated Air Flow	100 L/min (at 2.0kPa)	at 2.0 kPa
16	Minimum Air Flow	100 L/min	
17	Rated Pressure	2.0 kPa	at 100 L/min
18	Maximum Pressure	3.5 kPa	absolute maximum pressure. at 24VDC
19	Torque Constant	0.0014 ~ 0.0020 N·m/A	
20	Min. Rotation Speed	10,000 r/min	
21	Maximum Rotation Speed	50,000 r/min	Within the "Area of use"
22	Acoustic Audible Noise	65.0 dB(A)max.	at 2.0kPa, at 100L/min measured at 1m from air inlet Include background noise 15dB(A)
23	Coil Resistance	0.37 ~ 0.49 Ω (reference value)	at 20°C (Between 2 phase)
24	Coil Inductance	22 ~ 29 μH (reference value)	at 20°C, 10kHz (Between 2 phase)
25	Insulation Class	Class E	JIS C 4003
26	Insulation Resistance	1M Ω min.	JIS C 4003
27	Dielectric Strength	Leak current to be less than 1mA.(AC600V for 1sec. between terminal pins and	JIS C 4003
28	Weight	55 g	
29	Rotor Inertia	10 g·cm ²	
30	Axial Loading	3N max.	maximum axial force applying to the intake (upper housing)
31	Operating Temperature Range	0 ~ 50 °C	
32	Operating Humidity Range	10 ~ 95%RH	No condensation
33	Storage Temperature	-20 ~ 60 °C	
34	Storage Humidity Range	10 ~ 95%RH	No condensation