

User Menu

A. General Specification

Item		Specification	Condition
1	Model No.	CD04329V12BHWER	
2	Outline Dimension	Ø43 x 300 mm	
3	Rated Voltage	DC 12 V	
4	Operating Voltage	DC 10.2~13.8V	
5	Rated Current ±18%	0.70 A	At Rated Voltage, 25°C, 65% RH, Free Air
6	Power Consumption	8.4 W	
7	Rotating Speed±250RPM	2800 RPM	
8	Airflow±10%	102 CFM	At Rated Voltage AMCA-210-99 Standard
9	Static Pressure±10%	1.9 mmAq	
10	Noise Level	45 dBA	
11	Life Time	50,000hrs at 25°C (Ordinary Humidity)	
12	No. of Pole	4 Poles	
13	Output Direction	Horizontal Output Shaft	
14	Weight	410 g	
15	Motor Type	DC Brushless Motor (Right Side)	
16	Speed Control	N/A	
17	Signal Output	N/A	
18	Insulation	Class A	
19	Rotating Direction	Clockwise View From Output Shaft	

B. Main Materials / Parts Specification

Materials / Parts		Specification
1	Housing/Frame	Aluminum/Metal
2	Blade	Aluminum
3	Bearing	3 Ball Bearing
4	Connection	2 Wires: Red(+); Black(-) UL 1007#22 AWG, L=200mm

C. Safety Approvals

Safety	UL	CE		
File No.	N/A	YES		

D. Environmental Specification

Item	Specification / Condition
1	Operating Temperature Temperature : 0°C ~ + 45°C
2	Storage Temperature All function shall be normal after 500 hours storage at 0°C to +85°C with a 24 hours recovery period at room temperature.
3	Humidity Per MIL-STD 202F Method 103B; Life: 96 hours; Humidity : 95% RH; Temperature: 40 ± 2°C

E. Electrical Specification

Item	Specification / Condition
1	Insulation Resistance At least 50MΩ at 500 VDC between housing and both lead wires.
2	Dielectric Strength Withstand 600VAC 1 minute 1mA between housing and both lead wires.
3	Polarity Protection Be Capable of Withstanding If Reverse Connection For Positive.
4	Locked rotor Protection Built-in controller will begin to motivate the fan motor to get it start rotating again when the fan speed suddenly drops to zero in a stuck state

F. Outline Dimension

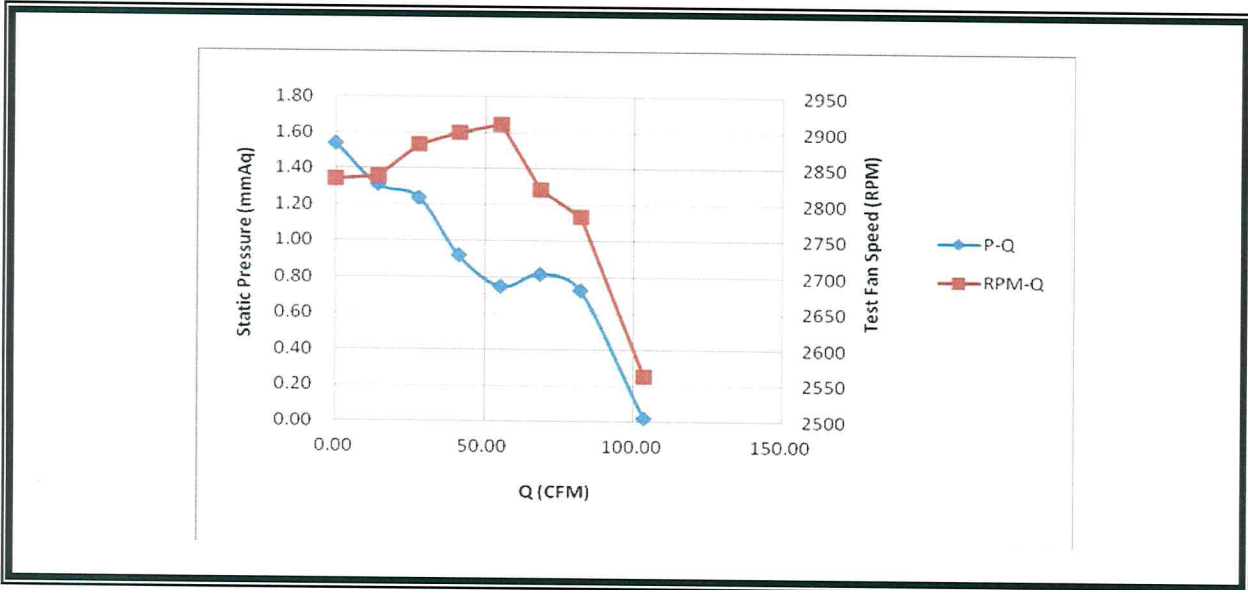
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NO.	DESCRIPTION	QTY	REMARKS
1	10 LABEL		
4	9 RUBBER	C.R.	
2	8 SCREW	STEEL	8-3.4 TAPPING 2
1	7 BALL BEARING		PHENOLIC
1	6 RUBBER	EPDM	
1	5 STABILIZER	STEEL	Black Coating 0.02
1	4 GUIDE WALL	STEEL	Black Coating 0.02
2	3 SID PLATE	STEEL	Black Coating 0.02
1	2 FAN	Aluminum	ANODIZED
1	1 MOTOR		DRY-1-2

DESCRIPTION	CROSS FLOW FAN	BUYER	前野
MOD. NO.		DRAWING NO.	16677
SCALE	1:2	DATE	15.10.02
REV.		DRAWING BY	陸奥雄
		CONFIRMED	

REV.	DATE	CONTENT	BY	CHK
△				
△				
△				

G. Air Performance



H. Label



I. Notes

1. All specifications are measured after 5 min. rotating. Motraxe will not assume responsibility for performance of products if application condition is outside of parameters stated forth in the specification.
2. A written request should be submitted to Motraxe prior to approval if abnormality and deviation from this specification is required.

3. Please be cautious when fan is being exercised or handled. Applying pressure to the impeller, handling the fan by lead wire or dropping the fans to the production platform is resulting in damage.
4. The operating voltage and temperature were defined after fan rotating continually at rated voltage.
5. If fan was stocked at an ambient temperature under 5°C and over 24 hrs. Please stock fans to an ambient temperature over 20°C and remained over 24 hrs before using. All specifications include abnormal noise has to be measured after 30 minute running.
6. Noise Level is different from abnormal noise. Please send abnormal samples to Motraxe to analyze. We estimate noise level by equation when noise level is lower than background noise (17dB).
7. Starting Voltage was defined on power on/off condition. Rotational speed was defined on full speed by it's rated value.
8. The correct polarity, Positive (+) and Negative (-), has to be clearly identified before connecting the fan to the power. Be aware of the connection with reverse polarity may lead to damage since no effective protection can be introduced against such errors.
9. L10 of Life test is a deductive value under statistical method and it is different from product warranty.
10. All general specifications and quality values are measured under condition of free air and fan vertical set up. Motraxe highly suggests practicing a test when fan apply to a special application.
11. With exception of suitability of some particular designs, any failure and problems regarding safety of the product caused by the introduction of powder, droplets of water or encroachment of insert in the hub is not guaranteed.
12. Motraxe fans are not well suited for corrosive environments. This includes liquids, gases, or matters.
13. Except for the feature of the Lock Rotor Protection specifically stated, this feature is not applied to all fans. Motraxe highly suggests not stopping the impellers of the working fans such interruption will cause adverse effect.
14. Fans are to be stored in a dry/cool place. High levels of humidity are harmful to products.
15. Please be cautious. Motraxe is not responsible for any excess resonance, vibration and subsequent noise caused by incorrect mounting of fans.
16. Take necessary precaution handling fans when in operation. Finger guards are recommended to prevent personal injury.
17. All test environments are conducted under the condition of relative (ambient) temperature and humidity at 25°C, 65%. The test result stated above is effective only for unique fan performance.

18. To avoid any unstable power, an “over 4.7 μ F” capacitor has definitely be connected to fan externally whatever multiple fans are applied in parallel.
19. The above conditions are examples of extreme application. However they are very important and should receive top priority.