PRODUCT SPECIFICATION / APPROVAL SHEET

A. General Specification

	Item	Specification / Condition						
01	Part No.	FD126025HB (2A7)						
02	Outline Dimension	60 X 60 X 25 mm						
03	Rated Voltage	DC 12.0	0 V					
04	Operating Voltage	DC 7.0	DC 7.0 V ~ DC 13.2 V					
05	Starting Voltage	DC 7.0	0 V		a. Rated Voltage			
06	Rated Current	0.18 <i>j</i>	4	+ 10%	b. 25 °C			
07	Rated Power Consumption	2.16 \	N	+ 10%	c. 65 % RH			
08	Rotational Speed	4300	R.P.M	. ± 10%	d. Measured after 5 min.			
00	Max Airflow	25.4	CFM (ft3/min)	a. Rated Voltage			
00	Max. Althow	0.719	m3/mi	n	b. tandard :AMCA			
10	Max. Static Pressure	0.217	in-H ₂ C)	c. Rated Current			
		5.5	mm-H ₂	₂ O				
11	Noise Level	34.0	dB(A)		 a. Rated Voltage b. Non-Echo Chamber c. Standard: CNS 8753 / ISO 3744 d. Test Condition:ISO 7779 e. Distance : 1.0 M 			
12	Life Expectancy	75000	hrs at	40°C	a. L ₁₀ at Conf. Level 90% b. Rated Voltage			
13	No. of Pole	4 Poles						
14	Rotational Direction	Counter-Clockwise						

B. Electrical Specification

Item		Specification / Condition			
		0	Safety Condition		
01	Locked Rotor Protection	x	 Auto power off after locked at rated voltage for 1 sec. After auto power off, circuit attempt to restart in 2 to 6 sec. 		
02		0	Open circuit when Vcc & GND are exchanged		
02	Polarity Protection	0	Circuit won't be burned within 5 seconds when Vcc & GND are exchanged		
03	Insulation Resistance	10 M	Ω/ Between unshielded wire and frame at 500 VDC/min		
04	Dielectric Strength	5 m/	A Max. / Measured b/w lead wire (+) and frame at 500 VAC/min		

C. Main Materials / Parts Specification

	Materials / Parts	Specification			
01	Plastic Material/Blade, Housing, Bobbin	a. UL 94V-0 b. P.B.T. + 30% GF Black			
02	Bearing	Two Ball Bearing			
03	Lead Wire - G. P.	Red(+), Black(-): UL 1007 \ 24 AWG Yellow(FG): UL 1007 \ 24 AWG			
04	Connector	2510-3PIN			

D. Safety Approvals

Safety	UL	CUL	TUV	
File No.	E187205	E187205	R50027591	
	0.18 A + 10% (Ar	proved current is 0.	18 A with tolerance of	f 10%)

E. Environmental Specification

	Item	Specification / Condition					
01		Temperature:	-10	°C	-	70	C°
	Operating Temp. Range	Humidity:	15	%	-	90	% RH (Frost Eliminated)
02	Č F D	Temperature:	-20	°C	-	75	C°
	Storage Temp. Range	Humidity:	15	%	-	90	% RH (Frost Eliminated)

F. Label Marking



(1)	Model No.
(2)	Rated Voltage
(3)	Current
(4)	Safety Approvals
(5)	Location
(6)	Appendix Code

G. Noise Measure Condition



Measurement Systems :							
1.ANECHOIC Room Noise Measurement System.							
2.Digital Head Measurement System, 16-bits version.							
3.SQlab III, Mobile Multichannel Analysis System.							
4.Specifications:ISO 3744, ISO 3745, ISO 7779,							
CNS 6753, JIS 8346							
5.Background Noise: < 17dB(A)							

G. Outline Dimensions



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H: Sensor Circuit System

3rd Pulse Wire (FG/A)







Yen Sun Technology Corp. Fan Performance Test Report

Eap Model : ED126025HB(2AZ)				Test Date : 2001/11/03						
					Order No. : 6025.2					
Blade No : 7										
Motor Poles : 4					Method: Constant Voltage					
Rating Voltage(V) : 12 VDC					Tunnel Setu	in · Inlet Ch	amber Type			
Rating (Curren	t(A) · 0 18			Temperatur	re():30		R H (%) ·	40	
Rating S	Speed	$(rom) \cdot 430($)		Barometric	Pressure(m	mHa) · 754 :	2		
Test Vo	Itage()	() · 12 VDC			Acoustic (d	B(A)/1M):3	4 0dB(A)	-		
Max. Flo	ow rate	e(CFM) :	25.403		Mea. D)istance(M):	1			
Max Flo	ow rate	$=(m^3/min)$	0.719		Background	d Noise 10 0	dB(A)			
Max. Pr	essure	e(in-H ₂ O) :	0.217		Vibration Le	evel (mm/se	c^2)· N / A			
Max. Pr	essure	e(mm-H ₂ O)	5.519		Remark:		<i></i>			
		Flov	vrate	Static P	ressure	Voltage	Current	Power	Speed	
Curve	Pts	CFM	m3/min	in-H2O	mm-H2O	V	Δ	W	rnm	
	1	25 403	0 7192	0.0000	0.000	12.00	0 170	2 04	4428	
	2	19 041	0.5391	0.0666	1 692	12.00	0.168	2.01	4441	
1	-	12.780	0.3618	0.0975	2,477	12.00	0.159	1.91	4649	
-	4	6.302	0.1784	0.1595	4.051	12.00	0.163	1.96	4553	
	5	0.000	0.0000	0.2173	5.519	12.00	0.168	2.01	4405	
	Ũ	01000	010000	0.2110	01010	12100	01100	2101	1100	
				Fan Per	formance	Curve				
							 FD1	26025HB(2A7	7)	
	0.25	500								
	0.2000									
Ô										
H2	- -									
e (ii	0.1500									
sur										
res										
с С	0.1000									
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0)										
	0.05	500								
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	0.0000 7.500			15.000 Flow Rate (CFM)		00 500	`			
						22.500 30		0.000		
				[、 ,				
Appro	ver:	劉智	 雪光	Examiner:	許志聰		Tester:	張馥怡		

REMARKS

- 1. All specifications are measured after 5 min. rotating. Y.S. Tech 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 Y.S. Tech 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 have to be measured after 30 minute running.
- Noise Level is different from abnormal noise. Please send abnormal samples to Y.S. TECH 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 its 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. Y.S. TECH highly suggests to practic 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 are not guaranteed.
- 12. Y.S. Tech 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. Y.S. Tech highly suggests not to stop 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. Y.S. Tech 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. Fingre guards are recommended to prevent personal injury.
- 17. All test environments are conducted under the condition of relative(ambient) temperature and humidity at 25℃, 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.