

Test report

Total 5 pages

Product Name	axial fan		Trademarks	WEIGUANG	
Model specifications	YWF4E-500S-137/35-G				
Technical parameters	220V 50Hz				
Nature of inspection	Commissioned testing		Product grade	Qualified products	
Unit entrusted	Hangzhou Weiguang Electronics Co., Ltd. Technical Section 2		Address	No .365 Xingzhong Road, Yuhang Economic Development Zone, Hangzhou	
Unit inspected	/		Address	/	
Production units	Hangzhou Weiguang Electronics Co., Ltd. Axial fan Division		Address	No .365 Xingzhong Road, Yuhang Economic Development Zone, Hangzhou	
Sample location	/	Sample	/	Sender (Client)	Chen You
Number of samples	1	Sample base	1	Production date	2021.8.17
Sample date	/		Date of sample	2020.8.17	
Inspection items	Noise (sound pressure level, rising power level), fan air volume test				
Sample No.	SY21080060			Sample status	In good condition
Inspection basis	GB 12350-2009 《 Safety Requirements for Small Power Motors GB/T 1236-2000 《 performance test of standardized air duct for industrial ventilator GB/T 2888-2008 《 Fan and Roots Blower Noise Measurement Method				
Date of inspection	17 August 2021				

Inspection Inspection Conclusion Discussion	1	Electrical parameters	Detailed data are shown in schedule 1
	2	Noise	Detailed data are shown in schedule 2
	3	Fan Air Volume Test	Detailed data are shown in schedule 3
	Date of Issue : 17 August 2021		
Standby Note			

Schedule 1: Test of electrical parameters

Test voltage :220 V 50Hz, the fan is installed on the test rack, the wind direction is horizontal, there is no occlusion before and after;

Name of sample	Sample No.	Voltage	Current (A)	(W)	Rotational speed (rpm)	Remarks
YWF4E-500S -137/35-G	SY21080060	220V/50Hz	1.909	424.6	1358	/

2. Schedule 2: noise test

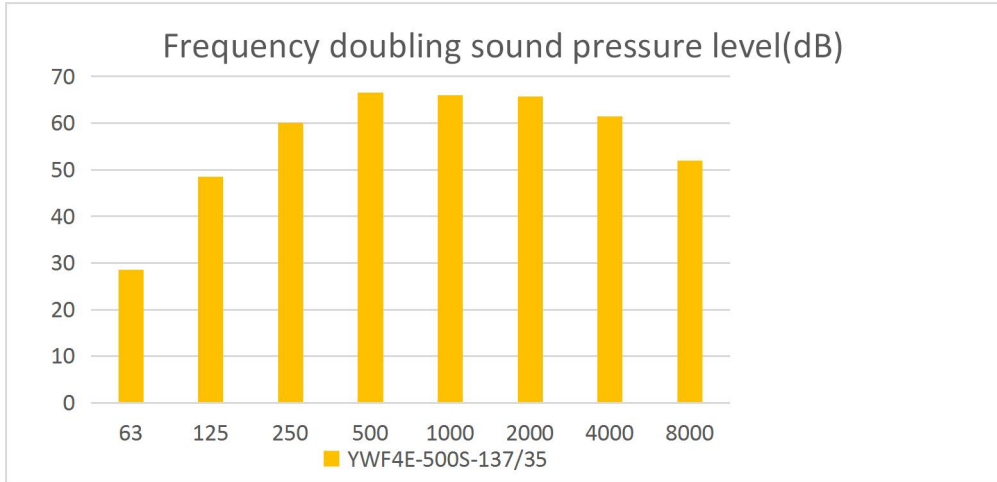
st site: semisperitoneum; atmospheric pressure :101.0 kPa;

Ambient temperature :27.0°C humidity 66.0%;

Test distance :1.0 m; background noise :22.0dB

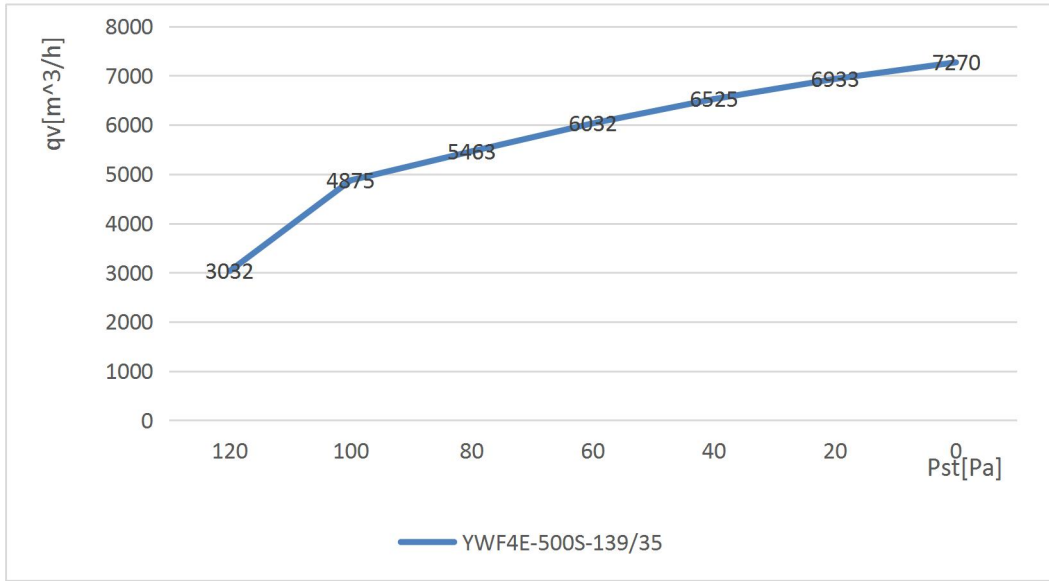
YWF4E-500S-137/35-G

	1m	10m	Remarks
Lw/dB (A)	70.2	/	220V 50Hz
LpA/dB (A)	62.2	/	
LpA/dB (A)	/	42.2	



Frequency/ HZ of frequency band center	63	125	250	500	1000	2000	4000	8000	Remarks
Frequency doubling band sound pressure level dB	28.6	48.5	60.1	66.5	66	65.7	61.5	51.9	220V/50Hz

3. Schedule 3: airflow test
YWF4E-500S-137/35-G



wiring	U/V	f/Hz	I/A	Pe/W	n/rpm	qv/m3/h	Pst /Pa	LpAin /dB (A)	LwAin /dB (A)
/	220	50	2.65	582	1216	3032	120	/	/
			2.31	505	1297	4875	100	69.5	61.5
			2.13	468	1325	5463	80	70.1	62.1
			1.98	435	1351	6032	60	70.5	62.5
			1.84	406	1369	6525	40	/	/
			1.78	390	1377	6933	20	/	/
			1.63	357	1395	7270	0	/	/

杭州微光电子股份有限公司
HANGZHOU WEIGUANG ELECTRONIC CO.,LTD

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