

# Test report

Total 5 pages

Product Name	axial fan		Trademarks	WEIGUANG	
Model specifications	YWF8D-500S-137/35-G				
Technical parameters	380V 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	2020.12.05
Sample date	/		Date of sample	2020.12.05	
Inspection items	Noise (sound pressure level, rising power level), fan air volume test				
Sample No.	SY20120007			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	05 December 2020				

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
Standby Note	Date of Issue : 05 December 2020		

Schedule 1: Test of electrical parameters

Test voltage :380 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
YWF8D-500S -137/35-G	SY20120007	380V/50Hz	0.277	105.5	675	△
		380V/50Hz	0.119	67.5	540	Y

2. Schedule 2: noise test

st site: semisperitoneum; atmospheric pressure :102.7 kPa;

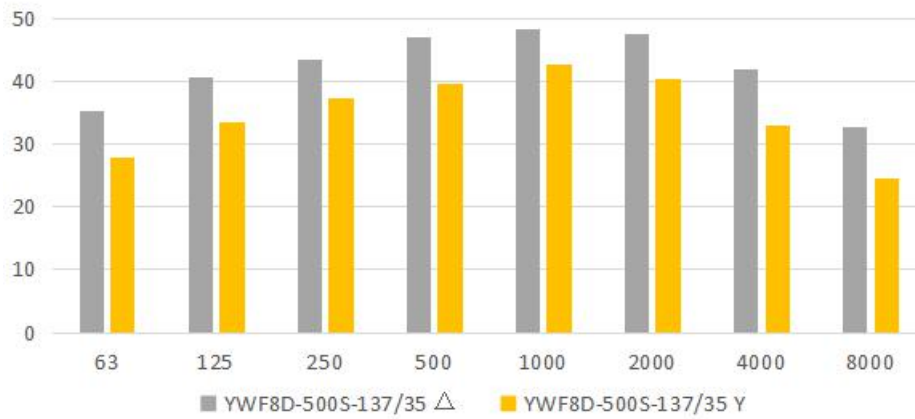
Ambient temperature :15.0°C humidity 48.0%;

Test distance :1.0 m; background noise :21.0 dB

YWF8D-500S-137/35-G

	1m	10m	Remarks
Lw/dB (A)	52.7	/	380V 50Hz △/ in
LpA/dB (A)	44.7	/	
LpA/dB (A)	/	24.7	
Lw/dB (A)	46.7	/	380V 50Hz Y/ in
LpA/dB (A)	38.7	/	
LpA/dB (A)	/	18.7	

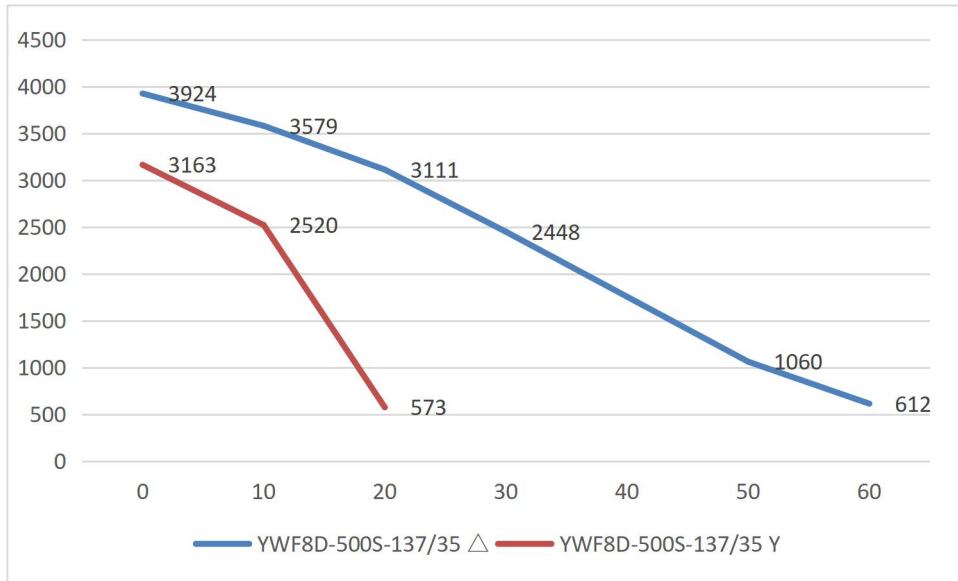
Frequency doubling sound pressure level(dB)



Frequency/ HZ of frequency band center	63	125	250	500	1000	2000	4000	8000	Remarks
Frequency doubling band sound pressure level dB	35.3	40.7	43.4	47.1	48.4	47.6	41.9	32.8	380V 50Hz △/ in
Frequency doubling band sound pressure level dB	27.8	33.6	37.3	39.6	42.7	40.3	33.1	24.6	380V 50Hz Y/ in

3. Schedule 3: airflow test

YWF8D-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)
Y	380	50	0.13	70	489	573	20.2	/	/
			0.12	63	534	2520	10.1	46.7	38.7
			0.11	58	570	3163	0.1	/	/
Δ	380	50	0.30	141	622	612	59.6	/	/
			0.29	132	636	1060	50.0	/	/
			0.28	115	662	2448	30.0	52.8	44.8
			0.27	109	671	3111	20.0	52.4	44.4
			0.27	104	680	3579	10.2	/	/
			0.27	97	689	3924	0.0	/	/

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

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