

**Verification Services**

Report No: 13565587-1a

Report Issued Date: 2020-11-25

Test Report

Customer Company & Address:			
Company Name: EILEEN GRAYS NETWORK TECHNOLOGY CO LTD			
Add: Rm 1707-1710 block D Weilan Business port Qianshan Rd Zhengwu District Hefei, Anhui CHINA			
Contact Person:	Peter	Email:	peter@eileengrays.com
Telephone:	13631126042	Fax:	N/A

Manufacturer:	Zhongshan Fengmei lighting & Electrical Ltd
Country of Origin:	China
Country of Export:	USA
Brand Name:	Parrotuncle
Product Description:	Ceiling Fan
Representative (Tested) Model:	F6252
Model Number:	F6252, F6252BK
Model Differences:	Color
Electrical Specification:	120V/60Hz

Test Laboratory & Address:			
UL Verification Services (Guangzhou) Co., Ltd.			
ADD: 1-3F & Room 501, Building 2 (R&D Center A1), No. 25, South Huanshi Avenue, Nansha District, Guangzhou 511458, China			
Telephone:	+86 20 28667188	Fax:	+86 20 83486605

Receipt of Test Samples	2020-10-30	Test Period	2020-10-30~2020-11-31
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Handle By	Approved By
Xian Zhuo Zheng / Xianzhuo zheng	 / Liny Lan
Test Personnel Name & Signatory	Approval Name & Signatory

The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.

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Testing Regulation

☒ DOE	DEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430 [Docket No.EERE-2013-BT-TP-0050] RIN: 1904-AD10
☐ CEC	CEC-400-2017-002 California Code of Regulations, Title 20, Sections 1601 through 1608
☐ ES	ENERGY STAR Program Requirements - Product Specification for Residential Ceiling Fans and Ceiling Fan Light Kits - Eligibility Criteria Version 4.0
☐ NRCAN	Amendment 16 to the Energy Efficiency Regulations, 2016: SOR/2019-163 was published in Canada Gazette Part II on June 12, 2019 for Airflow of Ceiling Fans

Statement of Results

Test Flow	Test Method	Sample ID (Lab)	Sample Serial No.	Pass/Fail/NA
Ceiling Fan Energy Efficiency Testing	Appendix U to Subpart B of Part 430 – Uniform Test Method for Measuring the Energy Consumption of Ceiling Fan	3426210	N/A	Pass
		3426212	N/A	

Deviation from Test Method (if any)

N/A

Remark (if any)

* The measurement result for the sample received are according to the Accuracy Method decision rule.



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Test Flow : Ceiling Fan Energy Efficiency Testing

1. Test Equipment

Equipment ID	Equipment Name	Last Calibration Date	Calibration Due Date
GVS-LE-CF001	Power Meter	2020-07-15	2021-07-14
GVS-LE-CF002	Digital Tachometer	2020-07-21	2021-07-20
GVS-LE-CF003	Tem.& Hum.& Atm. Record	2020-07-15	2021-07-14
GVS-LE-CF004	Distance Measure Meter	2020-07-21	2021-07-20
GVS-LE-CF005	Chamber	2020-07-21	2021-07-20
GVS-LE-CF007	Rotating Sensor Arm System	2020-07-21	2021-07-20
GVS-LE-CF009~020	Air Speed Sensor	2020-10-15	2021-10-14

2. Test Sample Information

Product Description	Ceiling Fan		
Representative (Tested) Model	F6252		
Light Kit Model Number	E12		
Motor Model Number	153*12	Number of Blades	5
Fan Size(inch)	52	Blade Pitch Angle(°)	12°
Speed Control Type/Model No.	Remote Control	Downrod Length(inch)	10"
Blade Description	Standard Flat	Mounting Method	Standard Only
Blade Weight(g)	650g/pcs	DOE Products Category	LSSD
Blade Edge Thickness(inch)	0.2165	Flow-Direction Control Type/Model No.	Slide Switch
Blades Lowest Point to Ceiling(inch)	Standard: 17.72		

3. Test Result

Standard Mounting Method								
Sample ID	Measured Airflow(CFM)			Measured Power(W)				Efficiency (CFM/W)
	High	Medium	Low	High	Medium	Low	standby	
001	4416.68	/	2168.43	60.13	/	17.96	0.24	81.96
002	4438.19	/	2144.93	60.09	/	18.00	0.24	81.97
Average of Sample	4427.43	/	2156.68	60.11	/	17.98	0.24	81.96
LCL/0.9 for Airflow	4882.58	/	2356.12	/	/	/	/	91.05
UCL/1.1 for Power	/	/	/	54.77	/	16.47	0.22	/
Represented Value	4427.43	/	2156.68	60.11	/	17.98	0.24	81.96
Minimum Efficiency(CFM/W)	71.83							
Result (Pass/Fail)	Pass							
FTC EnergyGuide Label Information								
Weighted-Average Airflow CFM _{ave}	3363							
Energy Use W _{ave}	41							
Estimated Yearly Energy Cost(\$)	12							
Efficiency(CFM/W)	82							



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4. Test Data

LSSD+Standard -001

Sample ID		001	Tested Date		2020/10/31	Tested By		Chuxian
Room Temp.(°C)		21.0	Relative Humidity(%)		50.0	Barometric Pressure(PSI)		14.8
Low Speed Testing Model								
Max. RPM		71	Min. RPM		67	Voltage(V)		120.06
Frequency(Hz)		59.993	Power P1(W)		17.96	Current(A)		0.3224
Sensor #	Sensor Dist. From Center (inch)	Velocity in FPM - Axis #				Average Vel. (FPM)	Circle area (sq. Ft.)	Air Delivery (CFM)
		A	B	C	D			
1	0	99.31	87.67	87.06	81.95	88.99	0.0873	7.77
2	4	118.86	110.32	96.26	97.71	105.79	0.6981	73.85
3	8	140.83	132.74	120.67	121.62	128.96	1.3963	180.07
4	12	156.77	157.42	148.15	143.06	151.35	2.0944	316.99
5	16	135.66	165.36	158.64	162.23	155.47	2.7925	434.15
6	20	83.75	138.01	124.99	159.59	126.58	3.4907	441.87
7	24	49.71	96.66	76.87	128.75	88.00	4.1888	368.61
8	28	44.27	76.35	61.66	100.20	70.62	4.8869	345.11
Total Air Flow of Low Speed(CFM)								2168.43
High Speed Testing Model								
Max. RPM		139	Min. RPM		132	Voltage(V)		120.00
Frequency(Hz)		59.993	Power P2(W)		60.13	Current(A)		0.5100
Sensor #	Sensor Dist. From Center	Velocity in FPM - Axis #				Average Vel. (FPM)	Circle area (sq. Ft.)	Air Delivery (CFM)
		A	B	C	D			
1	0	216.65	197.56	177.04	198.67	197.48	0.0873	17.24
2	4	258.06	239.66	198.42	234.09	232.55	0.6981	162.35
3	8	293.69	279.44	243.65	271.68	272.12	1.3963	379.96
4	12	320.95	319.01	291.79	299.35	307.77	2.0944	644.60
5	16	278.57	329.96	307.04	321.77	309.33	2.7925	863.80
6	20	177.85	283.96	253.55	318.33	258.42	3.4907	902.07
7	24	113.05	198.92	158.69	247.67	179.58	4.1888	752.25
8	28	100.73	160.58	123.29	183.77	142.10	4.8869	694.41
Total Air Flow of High Speed(CFM)								4416.68
Standby Testing Model								
Voltage(V)			120.06		Frequency(Hz)		59.992	
Power P0(W)			0.24		Current(A)		0.0909	



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LSSD+Standard -002

Sample ID		002	Tested Date		2020/10/31	Tested By		Chuxian
Room Temp.(°C)		20.2	Relative Humidity(%)		50.9	Barometric Pressure(PSI)		14.7
Low Speed Testing Model								
Max. RPM		72	Min. RPM		67	Voltage(V)		120.05
Frequency(Hz)		59.993	Power P1(W)		18.00	Current(A)		0.3221
Sensor #	Sensor Dist. From Center (inch)	Velocity in FPM - Axis #				Average Vel. (FPM)	Circle area (sq. Ft.)	Air Delivery (CFM)
		A	B	C	D			
1	0	75.57	79.85	83.79	76.67	78.97	0.0873	6.89
2	4	103.01	107.32	92.59	82.74	96.42	0.6981	67.31
3	8	130.33	131.68	123.24	103.80	122.26	1.3963	170.71
4	12	151.01	158.11	152.98	127.10	147.30	2.0944	308.51
5	16	137.68	174.15	156.62	147.32	153.95	2.7925	429.89
6	20	86.06	156.18	117.25	142.76	125.57	3.4907	438.31
7	24	53.13	113.44	69.46	120.86	89.22	4.1888	373.72
8	28	45.87	86.55	51.18	102.54	71.54	4.8869	349.59
Total Air Flow of Low Speed(CFM)								2144.93
High Speed Testing Model								
Max. RPM		139	Min. RPM		133	Voltage(V)		119.97
Frequency(Hz)		59.993	Power P2(W)		60.09	Current(A)		0.5094
Sensor #	Sensor Dist. From Center	Velocity in FPM - Axis #				Average Vel. (FPM)	Circle area (sq. Ft.)	Air Delivery (CFM)
		A	B	C	D			
1	0	219.54	191.51	183.10	192.55	196.67	0.0873	17.17
2	4	258.58	236.08	204.30	217.94	229.23	0.6981	160.03
3	8	297.88	274.73	250.61	259.84	270.77	1.3963	378.08
4	12	321.74	316.88	301.42	299.74	309.95	2.0944	649.16
5	16	264.95	333.37	314.24	324.24	309.20	2.7925	863.44
6	20	165.92	294.52	256.80	324.35	260.39	3.4907	908.96
7	24	102.73	204.25	156.79	256.42	180.05	4.1888	754.19
8	28	99.43	161.20	120.57	197.60	144.71	4.8869	707.16
Total Air Flow of High Speed(CFM)								4438.19
Standby Testing Model								
Voltage(V)			120.09		Frequency(Hz)		59.993	
Power P0(W)			0.24		Current(A)		0.0889	



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5. Test Sample Photo(s)



*******END OF TEST REPORT*******