Everwind Excellence Co., Limited

TEST REPORT

SCOPE OF WORK
ENERGY EFFICIENCY TESTING - CEILING FAN WITH LIGHT KIT- [See Page 2 “Model(s)"]

REPORT NUMBER
260729036GZS-007

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Testing Laboratory:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
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Applicant/Manufacturer:	Everwind Excellence Co., Limited
Address:	RM 701 UNIT 127, 7/F TOWER B NEW MANDARIN PLAZA14 SCIENCE MUSEUM RD TSIM SHA TSUI HONG KONG
Manufacturing site:	Foshan Hengyue He Feng Lighting Technology Co., Ltd.
Address:	NO.6, Xiang'an North Road, Building A,Jun'an Community,Jun'an Town,Shunde District, FOSHAN CITY,Guangdong Province, P.R.China
Testing Location:	Same as the Testing Laboratory
Address:	Same as the Testing Laboratory's Address
Product:	Ceiling Fan with Light Kit
Brand Name:	Greenever
Description:	The product covered by this report is a household, indoor use, fix connected ceiling fan.
Model(s):	CFL-0023,CFL-0023-XXXX
Model Similarity:	All models are identical except for the specific model name and colors. X can represent A~Z, 0~9 or blank.
Ratings:	120V 60Hz
Date of receipt of sample(s):	29-Jul-2026
Date Range of Test:	10-Oct-2026
Test standard(s) or criteria(s):	10 CFR 430, Appendix U to subpart B Uniform Test Method for Measuring the Energy Consumption of Ceiling Fans California Code of Regulations, Title 20, Division 2, Chapter 4, Article 4, Sections 1601-1609: Appliance Efficiency Regulations
Conclusion:	The product tested complies with the Energy Efficiency Standard of DOE&CEC, starting on January 21, 2020.

Prepared by:	Nora Tan	Approved by:	Taylor Cai
Title:	Engineer	Title:	Sr. Project Engineer
Signature:	Nora Tan	Signature:	Taylor Cai

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Photos:

Photo 1 - Overall view



Product Details

Item	Data
Model number of Unit Under Tested	CFL-0023
Serial number	NA
Condition of sample(s)	Prototype
Product Type	Ceiling Fan with Light Kit
Product Class	Standard
Fan Size [in]	52
Number of fan speeds	6
Type of Fan Speed Control	Remote control
Fan speed controls separate from lighting controls?	Yes
The capability of reversible fan action?	Yes
Airflow direction	Reversible
Thickness of edges of blades [mm]	5.63
Thickness of edges of blades [inch]	0.22
Maximum distance between lowest point on the fan blades and the ceiling [inch]	17.25
Minimum distance between lowest point on the fan blades and the ceiling [inch]	17.25
Maximum Tip speed threshold [m/s]	14.28
Maximum Tip speed threshold [fpm]	2811

Critical Components

Name	Manufacturer / trademark	Type / model	Technical data
Fan motor	Foshan Hengyue He Feng Lighting Technology Co.,Ltd.	153*10	DC24V, Class A

NOTE

“Various“ means any type, from any manufacturer that complies with the "Technical data and securement means" can be used.

Sample 1, Air Delivery Test at Low Speed - First Set

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	969	Voltage	*V*	120.2
Room temperature	*°F*	72.2	Frequency	*Hz*	60
Relative humidity	*%*	48.5	Current	*A*	0.08
Rotate speed	*RPM*	84	Power	*W*	2.57

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	143.44	124.01	122.14	136.64	131.56	0.0873	11.48
2	144.53	133.40	131.80	139.13	137.22	0.6981	95.80
3	167.21	154.62	162.74	160.19	161.19	1.3963	225.07
4	173.01	173.71	171.97	172.18	172.72	2.0944	361.74
5	160.59	162.25	167.09	175.01	166.24	2.7925	464.22
6	103.88	106.84	118.55	125.24	113.63	3.4907	396.63
7	66.64	61.26	73.49	76.62	69.51	4.1888	291.14
8	48.42	42.99	53.95	52.62	49.50	4.8869	241.88
9							
10							
11							
12							
						Total airflow [CFM]:	2087.95

Sample 1, Air Delivery Test at Low Speed - Second Set

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	969	Voltage	*V*	120.2
Room temperature	*°F*	71.4	Frequency	*Hz*	60
Relative humidity	*%*	49.6	Current	*A*	0.08
Rotate speed	*RPM*	84	Power	*W*	2.57

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	129.20	139.14	137.47	142.46	137.07	0.0873	11.96
2	140.27	136.19	134.98	133.18	136.16	0.6981	95.06
3	167.21	161.68	158.07	155.18	160.53	1.3963	224.15
4	178.58	178.85	168.85	164.94	172.81	2.0944	361.92
5	156.78	162.16	174.29	167.17	165.10	2.7925	461.05
6	98.56	104.25	131.05	122.82	114.17	3.4907	398.53
7	59.72	57.77	80.09	74.84	68.10	4.1888	285.27
8	46.33	42.02	55.64	49.62	48.40	4.8869	236.54
9							
10							
11							
12							
						Total airflow [CFM]:	2074.47

Sample 1, Air Delivery Test at High Speed - First Set

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	969	Voltage	*V*	120.1
Room temperature	*°F*	74.5	Frequency	*Hz*	60
Relative humidity	*%*	45.7	Current	*A*	0.46
Rotate speed	*RPM*	209	Power	*W*	29.40

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	353.40	334.32	323.44	320.51	332.92	0.0873	29.05
2	365.77	343.42	325.01	334.49	342.18	0.6981	238.88
3	421.57	403.18	377.72	394.82	399.32	1.3963	557.56
4	435.39	435.08	405.44	439.30	428.80	2.0944	898.08
5	390.13	430.10	437.44	427.04	421.18	2.7925	1176.15
6	277.16	312.26	360.66	304.96	313.76	3.4907	1095.23
7	177.94	189.04	251.26	179.63	199.47	4.1888	835.53
8	126.63	128.12	166.75	130.06	137.89	4.8869	673.86
9							
10							
11							
12							
						Total airflow [CFM]:	5504.35

Sample 1, Air Delivery Test at High Speed - Second Set

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	969	Voltage	*V*	120.1
Room temperature	*°F*	73.2	Frequency	*Hz*	60
Relative humidity	*%*	47.0	Current	*A*	0.46
Rotate speed	*RPM*	209	Power	*W*	29.55

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	342.60	331.40	312.95	337.33	331.07	0.0873	28.89
2	358.65	348.89	319.13	342.23	342.22	0.6981	238.92
3	414.19	395.07	367.62	403.54	395.11	1.3963	551.67
4	441.15	435.56	404.74	437.20	429.67	2.0944	899.89
5	402.66	431.15	444.38	432.04	427.56	2.7925	1193.97
6	283.26	306.65	367.02	310.39	316.83	3.4907	1105.95
7	177.88	184.83	246.56	189.68	199.74	4.1888	836.67
8	129.47	122.46	170.68	130.48	138.27	4.8869	675.73
9							
10							
11							
12							
						Total airflow [CFM]:	5531.68

Sample 2, Air Delivery Test at Low Speed - First Set

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	966	Voltage	*V*	120.3
Room temperature	*°F*	69.6	Frequency	*Hz*	60
Relative humidity	*%*	49.1	Current	*A*	0.08
Rotate speed	*RPM*	83	Power	*W*	2.58

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	142.19	140.44	132.44	134.97	137.51	0.0873	12.00
2	141.57	141.03	138.57	131.11	138.07	0.6981	96.39
3	167.06	157.87	164.49	154.45	160.97	1.3963	224.75
4	173.32	173.33	169.67	167.59	170.98	2.0944	358.10
5	157.64	169.31	159.58	172.78	164.83	2.7925	460.28
6	107.90	115.63	114.78	119.29	114.40	3.4907	399.33
7	71.02	71.78	76.41	69.36	72.14	4.1888	302.19
8	54.89	50.86	55.56	51.04	53.09	4.8869	259.43
9							
10							
11							
12							
						Total airflow [CFM]:	2112.48

Sample 2, Air Delivery Test at Low Speed - Second Set

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	966	Voltage	*V*	120.3
Room temperature	*°F*	71.6	Frequency	*Hz*	60
Relative humidity	*%*	46.4	Current	*A*	0.08
Rotate speed	*RPM*	83	Power	*W*	2.58

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	126.73	141.44	134.96	137.69	135.20	0.0873	11.80
2	129.07	139.79	129.78	138.61	134.31	0.6981	93.77
3	155.66	158.60	152.51	163.81	157.65	1.3963	220.11
4	167.04	171.26	163.47	174.35	169.03	2.0944	354.02
5	166.39	167.72	175.13	156.82	166.52	2.7925	465.00
6	118.31	118.67	140.27	105.75	120.75	3.4907	421.50
7	74.64	71.09	86.10	67.48	74.83	4.1888	313.45
8	54.16	52.47	56.56	50.67	53.46	4.8869	261.27
9							
10							
11							
12							
						Total airflow [CFM]:	2140.92

Sample 2, Air Delivery Test at High Speed - First Set

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	965	Voltage	*V*	120.1
Room temperature	*°F*	73.4	Frequency	*Hz*	60
Relative humidity	*%*	49.3	Current	*A*	0.46
Rotate speed	*RPM*	205	Power	*W*	29.49

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	340.92	332.41	329.50	308.00	327.71	0.0873	28.60
2	356.15	346.54	327.96	333.20	340.96	0.6981	238.04
3	416.72	398.64	374.21	398.35	396.98	1.3963	554.29
4	441.65	434.32	400.03	424.73	425.18	2.0944	890.50
5	399.94	435.86	440.77	410.40	421.74	2.7925	1177.73
6	275.97	313.95	371.32	291.89	313.28	3.4907	1093.55
7	175.43	182.20	258.08	177.29	198.25	4.1888	830.43
8	130.09	122.08	179.26	122.49	138.48	4.8869	676.74
9							
10							
11							
12							
						Total airflow [CFM]:	5489.87

Sample 2, Air Delivery Test at High Speed - Second Set

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	966	Voltage	*V*	120.1
Room temperature	*°F*	72.6	Frequency	*Hz*	60
Relative humidity	*%*	50.5	Current	*A*	0.46
Rotate speed	*RPM*	205	Power	*W*	29.57

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	339.00	344.34	326.49	344.71	338.64	0.0873	29.55
2	356.13	348.59	325.69	354.32	346.18	0.6981	241.68
3	415.22	387.79	375.78	406.40	396.30	1.3963	553.34
4	441.58	420.93	408.35	433.42	426.07	2.0944	892.36
5	394.99	421.81	451.43	413.17	420.35	2.7925	1173.84
6	262.84	320.64	372.38	293.59	312.36	3.4907	1090.34
7	160.61	196.08	257.12	183.04	199.21	4.1888	834.46
8	124.54	129.55	176.56	131.28	140.48	4.8869	686.52
9							
10							
11							
12							
						Total airflow [CFM]:	5502.09

Standby power

Item	*Unit*	Sample 1	Sample 2
Applied voltage	*V*	120	120
Frequency	*Hz*	60	60
Total harmonic content	*%*	1.03	1.03
Accumulated energy	*mWh*	80	80
Period of measurement	*min*	10	10
Standby or off mode power	*W*	0.48	0.48

Conclusion

Item	Airflow [CFM]		Power [W]		Standby [W]	Efficiency [CFM/W]
	Low	High	Low	High		
Sample 1	2081.21	5518.01	2.57	29.47	0.48	214.89
Sample 2	2126.70	5495.98	2.58	29.53	0.48	214.99
Number of samples	2	2	2	2	2	2
Mean	2103.96	5507.00	2.57	29.50	0.48	214.94
Standard deviation	32.16	15.58	0.01	0.04	0.00	0.07
$LCL_{0.90}$/0.9 for Airflow and Efficiency	2259.95	6081.21	N/A	N/A	N/A	238.65
$UCL_{0.95}$/1.1 for Power	N/A	N/A	2.38	26.98	0.44	N/A
Declarable value	2104	5507	2.6	29.5	0.48	214.94
Minimum Efficiency on and after January 21, 2020						71.83
Verdict						Pass

FTC EnergyGuide

Item	*Unit*	Standard	Hugger
Airflow (weighted-average)	*CFM*	3912	N/A
Energy Use	*W*	18	N/A
Airflow Efficiency	*CFM/W*	215	N/A
Estimated Yearly Energy Cost	*$*	5	N/A

Revision Summary

Date/ Proj # Site ID	Project Handler/ Reviewer	Item	Description of Change
			None