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-005

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Address:	Room 101 & 102, 1st Floor; Room 201, 2nd Floor, Building C6, Bay Area No.1 New Energy Industrial Park, Xinyu Road No.1, Wusha Community, Daliang Street, Shunde District, Foshan City, Guangdong Province, China
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-0021,CFL-0021-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:	13-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-0021
Serial number	NA
Condition of sample(s)	Prototype
Product Type	Ceiling Fan with Light Kit
Product Class	Hugger
Fan Size [in]	42
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]	5.66
Thickness of edges of blades [inch]	0.22
Maximum distance between lowest point on the fan blades and the ceiling [inch]	9.00
Minimum distance between lowest point on the fan blades and the ceiling [inch]	9.00
Maximum Tip speed threshold [m/s]	8.25
Maximum Tip speed threshold [fpm]	1625

Critical Components

Name	Manufacturer / trademark	Type / model	Technical data
Fan motor	Foshan Hengyue He Feng Lighting Technology Co.,Ltd.	153*8	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*	971	Voltage	*V*	120.2
Room temperature	*°F*	72.3	Frequency	*Hz*	60
Relative humidity	*%*	45.5	Current	*A*	0.07
Rotate speed	*RPM*	129	Power	*W*	1.92

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	74.22	68.00	67.35	83.14	73.18	0.0873	6.39
2	96.11	80.37	85.63	95.02	89.28	0.6981	62.33
3	112.45	103.04	106.86	108.59	107.73	1.3963	150.42
4	96.42	99.63	94.81	97.03	96.97	2.0944	203.10
5	74.07	82.97	75.01	80.51	78.14	2.7925	218.20
6	54.81	66.12	55.80	63.05	59.94	3.4907	209.24
7	38.61	50.36	40.52	43.50	43.25	3.0761	133.03
8							
9							
10							
11							
12							
						Total airflow [CFM]:	982.72

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	971	Voltage	*V*	120.2
Room temperature	*°F*	71.4	Frequency	*Hz*	60
Relative humidity	*%*	46.8	Current	*A*	0.07
Rotate speed	*RPM*	129	Power	*W*	1.92

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	57.40	70.95	86.29	78.53	73.29	0.0873	6.40
2	79.72	85.46	91.74	98.32	88.81	0.6981	62.00
3	98.29	101.26	111.93	109.94	105.36	1.3963	147.10
4	80.85	96.67	97.61	94.49	92.41	2.0944	193.54
5	61.13	78.56	76.55	81.70	74.49	2.7925	208.00
6	45.79	61.96	55.34	67.87	57.74	3.4907	201.55
7	33.54	42.51	40.09	51.73	41.97	3.0761	129.10
8							
9							
10							
11							
12							
						Total airflow [CFM]:	947.69

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	968	Voltage	*V*	120.2
Room temperature	*°F*	71.0	Frequency	*Hz*	60
Relative humidity	*%*	47.6	Current	*A*	0.19
Rotate speed	*RPM*	148	Power	*W*	9.73

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	193.85	200.78	213.54	176.51	196.17	0.0873	17.12
2	222.62	231.33	227.02	204.17	221.29	0.6981	154.49
3	248.47	270.56	269.59	251.06	259.92	1.3963	362.92
4	215.25	253.33	254.10	227.59	237.57	2.0944	497.56
5	157.19	196.12	214.22	173.14	185.17	2.7925	517.08
6	124.94	146.83	165.48	137.89	143.79	3.4907	501.91
7	79.26	95.82	123.37	92.31	97.69	3.0761	300.51
8							
9							
10							
11							
12							
						Total airflow [CFM]:	2351.59

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	968	Voltage	*V*	120.2
Room temperature	*°F*	72.0	Frequency	*Hz*	60
Relative humidity	*%*	46.2	Current	*A*	0.19
Rotate speed	*RPM*	148	Power	*W*	9.73

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	189.27	193.05	174.82	211.87	192.25	0.0873	16.78
2	225.78	215.00	205.66	224.49	217.73	0.6981	152.01
3	255.88	264.90	266.21	262.62	262.40	1.3963	366.38
4	216.50	248.80	251.00	240.37	239.17	2.0944	500.91
5	157.06	203.45	205.11	191.80	189.36	2.7925	528.79
6	119.62	152.94	153.83	145.13	142.88	3.4907	498.75
7	80.97	96.54	104.35	98.96	95.20	3.0761	292.86
8							
9							
10							
11							
12							
						Total airflow [CFM]:	2356.47

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	967	Voltage	*V*	120.3
Room temperature	*°F*	74.1	Frequency	*Hz*	60
Relative humidity	*%*	46.0	Current	*A*	0.07
Rotate speed	*RPM*	129	Power	*W*	1.91

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	79.07	98.32	90.45	68.59	84.11	0.0873	7.34
2	98.36	99.67	92.70	85.43	94.04	0.6981	65.65
3	109.34	119.06	116.08	111.28	113.94	1.3963	159.09
4	87.44	110.74	107.49	98.93	101.15	2.0944	211.85
5	66.96	93.25	94.87	86.13	85.30	2.7925	238.21
6	50.14	72.19	72.84	71.05	66.55	3.4907	232.31
7	36.48	49.05	47.55	53.82	46.72	3.0761	143.73
8							
9							
10							
11							
12							
						Total airflow [CFM]:	1058.19

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	967	Voltage	*V*	120.3
Room temperature	*°F*	72.7	Frequency	*Hz*	60
Relative humidity	*%*	48.0	Current	*A*	0.07
Rotate speed	*RPM*	129	Power	*W*	1.91

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	81.95	76.45	63.52	84.24	76.54	0.0873	6.68
2	96.52	88.31	88.23	89.32	90.59	0.6981	63.25
3	107.98	108.06	114.26	99.24	107.39	1.3963	149.94
4	89.66	103.78	95.97	94.83	96.06	2.0944	201.19
5	67.08	89.98	77.04	91.34	81.36	2.7925	227.20
6	49.15	72.79	59.84	78.53	65.07	3.4907	227.15
7	33.68	52.77	42.68	60.10	47.30	3.0761	145.51
8							
9							
10							
11							
12							
						Total airflow [CFM]:	1020.93

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	967	Voltage	*V*	120.2
Room temperature	*°F*	69.0	Frequency	*Hz*	60
Relative humidity	*%*	52.8	Current	*A*	0.19
Rotate speed	*RPM*	148	Power	*W*	9.62

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	178.54	213.28	187.49	212.84	198.04	0.0873	17.28
2	214.59	236.52	214.99	216.11	220.56	0.6981	153.98
3	240.11	271.26	261.35	245.44	254.54	1.3963	355.40
4	203.28	246.51	238.52	231.31	229.90	2.0944	481.51
5	151.32	202.13	192.80	201.46	186.93	2.7925	522.00
6	113.47	162.16	147.51	156.43	144.89	3.4907	505.77
7	81.87	113.84	93.28	105.54	98.63	3.0761	303.41
8							
9							
10							
11							
12							
						Total airflow [CFM]:	2339.35

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	967	Voltage	*V*	120.2
Room temperature	*°F*	70.2	Frequency	*Hz*	60
Relative humidity	*%*	49.4	Current	*A*	0.19
Rotate speed	*RPM*	148	Power	*W*	9.64

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	196.17	212.48	197.83	185.41	197.97	0.0873	17.28
2	230.71	230.01	221.52	206.01	222.06	0.6981	155.03
3	248.39	262.66	263.02	254.47	257.14	1.3963	359.03
4	198.63	243.27	233.51	238.15	228.39	2.0944	478.34
5	152.05	189.32	187.99	186.35	178.93	2.7925	499.66
6	109.69	146.11	146.23	150.67	138.18	3.4907	482.32
7	78.42	97.05	98.90	107.66	95.51	3.0761	293.80
8							
9							
10							
11							
12							
						Total airflow [CFM]:	2285.46

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*	78	78
Period of measurement	*min*	10	10
Standby or off mode power	*W*	0.47	0.47

Conclusion

Item	Airflow [CFM]		Power [W]		Standby [W]	Efficiency [CFM/W]
	Low	High	Low	High		
Sample 1	965.21	2354.03	1.92	9.73	0.47	231.40
Sample 2	1039.56	2312.40	1.91	9.63	0.47	234.96
Number of samples	2	2	2	2	2	2
Mean	1002.38	2333.22	1.91	9.68	0.47	233.18
Standard deviation	52.57	29.44	0.01	0.07	0.00	2.52
$LCL_{0.90}$/0.9 for Airflow and Efficiency	986.62	2521.28	N/A	N/A	N/A	252.99
$UCL_{0.95}$/1.1 for Power	N/A	N/A	1.78	9.08	0.43	N/A
Declarable value	987	2333	1.9	9.7	0.47	233.18
Minimum Efficiency on and after January 21, 2020						46.64
Verdict						Pass

FTC EnergyGuide

Item	*Unit*	Hugger	Standard
Airflow (weighted-average)	*CFM*	1702	N/A
Energy Use	*W*	7	N/A
Airflow Efficiency	*CFM/W*	232	N/A
Estimated Yearly Energy Cost	*$*	2	N/A

Revision Summary

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