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-003

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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-0019,CFL-0019-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:	12-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-0019
Serial number	NA
Condition of sample(s)	Prototype
Product Type	Ceiling Fan with Light Kit
Product Class	Standard
Fan Size [in]	36
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]	3.67
Thickness of edges of blades [inch]	0.14
Maximum distance between lowest point on the fan blades and the ceiling [inch]	12.00
Minimum distance between lowest point on the fan blades and the ceiling [inch]	12.00
Maximum Tip speed threshold [m/s]	8.69
Maximum Tip speed threshold [fpm]	1711

Critical Components

Name	Manufacturer / trademark	Type / model	Technical data
Fan motor	Foshan Hengyue He Feng Lighting Technology Co.,Ltd.	154*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*	70.0	Frequency	*Hz*	60
Relative humidity	*%*	46.4	Current	*A*	0.10
Rotate speed	*RPM*	168	Power	*W*	4.01

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	224.56	223.67	213.89	232.88	223.75	0.0873	19.53
2	251.48	250.47	235.79	238.29	244.01	0.6981	170.35
3	280.16	279.73	285.46	282.97	282.08	1.3963	393.86
4	198.67	182.84	228.88	233.03	210.86	2.0944	441.62
5	107.34	100.47	145.95	144.56	124.58	2.7925	347.89
6	62.14	58.89	82.06	72.11	68.80	3.4907	240.16
7							
8							
9							
10							
11							
12							
						Total airflow [CFM]:	1613.40

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*	69.0	Frequency	*Hz*	60
Relative humidity	*%*	49.7	Current	*A*	0.10
Rotate speed	*RPM*	168	Power	*W*	4.01

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	222.74	234.36	226.71	215.69	224.87	0.0873	19.62
2	251.06	261.10	246.48	234.83	248.37	0.6981	173.39
3	270.67	285.65	291.71	281.69	282.43	1.3963	394.35
4	185.83	200.79	225.80	244.95	214.34	2.0944	448.92
5	95.90	109.86	132.21	163.49	125.36	2.7925	350.08
6	60.67	60.51	68.49	88.44	69.53	3.4907	242.70
7							
8							
9							
10							
11							
12							
						Total airflow [CFM]:	1629.06

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	969	Voltage	*V*	120.2
Room temperature	*°F*	69.6	Frequency	*Hz*	60
Relative humidity	*%*	48.6	Current	*A*	0.19
Rotate speed	*RPM*	182	Power	*W*	9.87

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	316.39	302.18	272.12	317.72	302.10	0.0873	26.36
2	372.89	371.91	330.56	354.31	357.42	0.6981	249.52
3	424.24	438.87	430.21	429.18	430.63	1.3963	601.27
4	298.55	312.58	382.48	366.07	339.92	2.0944	711.92
5	168.10	179.19	257.95	232.40	209.41	2.7925	584.78
6	93.85	103.43	148.71	129.72	118.93	3.4907	415.13
7							
8							
9							
10							
11							
12							
						Total airflow [CFM]:	2588.98

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	970	Voltage	*V*	120.2
Room temperature	*°F*	72.5	Frequency	*Hz*	60
Relative humidity	*%*	45.0	Current	*A*	0.19
Rotate speed	*RPM*	182	Power	*W*	9.90

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	343.16	334.99	277.12	281.72	309.25	0.0873	26.99
2	381.62	390.49	328.50	321.36	355.49	0.6981	248.18
3	429.11	443.62	435.10	422.98	432.70	1.3963	604.17
4	296.27	307.99	373.68	362.93	335.22	2.0944	702.07
5	163.92	178.29	236.38	225.64	201.06	2.7925	561.46
6	95.96	95.04	144.37	118.02	113.35	3.4907	395.66
7							
8							
9							
10							
11							
12							
						Total airflow [CFM]:	2538.52

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	968	Voltage	*V*	120.3
Room temperature	*°F*	69.3	Frequency	*Hz*	60
Relative humidity	*%*	50.8	Current	*A*	0.10
Rotate speed	*RPM*	167	Power	*W*	3.93

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	202.89	217.67	214.80	175.87	202.81	0.0873	17.70
2	248.31	246.04	203.76	227.19	231.32	0.6981	161.49
3	256.10	279.25	254.86	268.74	264.74	1.3963	369.64
4	157.56	216.12	255.41	203.29	208.09	2.0944	435.83
5	84.82	128.27	188.50	121.43	130.75	2.7925	365.14
6	49.27	69.63	110.41	68.08	74.35	3.4907	259.52
7							
8							
9							
10							
11							
12							
						Total airflow [CFM]:	1609.33

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	968	Voltage	*V*	120.3
Room temperature	*°F*	68.0	Frequency	*Hz*	60
Relative humidity	*%*	52.9	Current	*A*	0.10
Rotate speed	*RPM*	167	Power	*W*	3.93

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	231.59	213.70	215.19	190.59	212.77	0.0873	18.57
2	258.60	236.43	216.32	232.71	236.02	0.6981	164.77
3	236.57	270.55	260.07	269.09	259.07	1.3963	361.73
4	128.40	211.88	256.47	203.67	200.11	2.0944	419.10
5	69.61	125.45	191.29	129.53	128.97	2.7925	360.15
6	44.91	65.15	108.46	73.92	73.11	3.4907	255.20
7							
8							
9							
10							
11							
12							
						Total airflow [CFM]:	1579.52

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*	72.8	Frequency	*Hz*	60
Relative humidity	*%*	48.0	Current	*A*	0.20
Rotate speed	*RPM*	182	Power	*W*	10.32

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	312.06	336.36	271.76	271.37	297.89	0.0873	26.00
2	403.05	378.32	289.79	340.41	352.89	0.6981	246.36
3	389.19	453.57	404.12	423.57	417.61	1.3963	583.10
4	244.76	372.35	404.29	352.13	343.38	2.0944	719.18
5	136.18	235.61	286.41	221.18	219.85	2.7925	613.92
6	85.53	128.54	156.99	124.85	123.98	3.4907	432.77
7							
8							
9							
10							
11							
12							
						Total airflow [CFM]:	2621.33

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*	73.4	Frequency	*Hz*	60
Relative humidity	*%*	47.0	Current	*A*	0.20
Rotate speed	*RPM*	182	Power	*W*	10.29

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	315.52	330.76	266.89	284.11	299.32	0.0873	26.12
2	393.08	377.77	289.61	328.07	347.13	0.6981	242.34
3	405.63	452.80	409.58	410.96	419.74	1.3963	586.07
4	260.16	348.68	410.51	353.45	343.20	2.0944	718.80
5	150.29	203.10	278.91	240.19	218.12	2.7925	609.11
6	89.02	114.36	157.84	142.09	125.83	3.4907	439.22
7							
8							
9							
10							
11							
12							
						Total airflow [CFM]:	2621.67

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*	138	138
Period of measurement	*min*	10	10
Standby or off mode power	*W*	0.83	0.83

Conclusion

Item	Airflow [CFM]		Power [W]		Standby [W]	Efficiency [CFM/W]
	Low	High	Low	High		
Sample 1	1621.23	2563.75	4.01	9.89	0.83	225.43
Sample 2	1594.42	2621.50	3.93	10.30	0.83	222.95
Number of samples	2	2	2	2	2	2
Mean	1607.83	2592.62	3.97	10.10	0.83	224.19
Standard deviation	18.95	40.83	0.05	0.30	0.00	1.75
$LCL_{0.90}$/0.9 for Airflow and Efficiency	1740.63	2781.95	N/A	N/A	N/A	244.86
$UCL_{0.95}$/1.1 for Power	N/A	N/A	3.83	10.38	0.75	N/A
Declarable value	1608	2593	4.0	10.4	0.83	224.19
Minimum Efficiency on and after January 21, 2020						61.43
Verdict						Pass

FTC EnergyGuide

Item	*Unit*	Standard	Hugger
Airflow (weighted-average)	*CFM*	2131	N/A
Energy Use	*W*	10	N/A
Airflow Efficiency	*CFM/W*	221	N/A
Estimated Yearly Energy Cost	*$*	3	N/A

Revision Summary

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

--THE END--