Everwind Excellence Co., Limited

TEST REPORT

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

REPORT NUMBER
260729036GZU-001

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Testing Laboratory:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
Address:	Room 101-2/201-2/301-3/401/501/602-1/702-3/801/802, No.7-1 Caipin Road, HuangpuDistrict, Guangzhou Guangdong, 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:	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
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-0017,CFL-0017-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:	8-Sep-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-0017
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]	10.48
Thickness of edges of blades [inch]	0.41
Maximum distance between lowest point on the fan blades and the ceiling [inch]	17.00
Minimum distance between lowest point on the fan blades and the ceiling [inch]	17.00
Maximum Tip speed threshold [m/s]	13.24
Maximum Tip speed threshold [fpm]	2607

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*	960	Voltage	*V*	120.3
Room temperature	*°F*	70.4	Frequency	*Hz*	60
Relative humidity	*%*	47.4	Current	*A*	0.09
Rotate speed	*RPM*	79	Power	*W*	2.88

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	125.02	116.26	125.73	104.70	117.93	0.0873	10.29
2	137.78	131.43	124.49	106.24	124.99	0.6981	87.26
3	167.96	160.98	151.05	136.33	154.08	1.3963	215.13
4	163.21	171.55	162.21	152.99	162.49	2.0944	340.32
5	133.19	159.05	161.60	169.71	155.88	2.7925	435.31
6	84.91	102.28	126.75	132.63	111.64	3.4907	389.70
7	55.05	55.71	79.00	80.49	67.56	4.1888	283.01
8	42.81	37.71	48.92	48.78	44.55	4.8869	217.72
9							
10							
11							
12							
						Total airflow [CFM]:	1978.74

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	958	Voltage	*V*	120.3
Room temperature	*°F*	71.3	Frequency	*Hz*	60
Relative humidity	*%*	49.1	Current	*A*	0.09
Rotate speed	*RPM*	79	Power	*W*	2.88

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	113.82	120.66	118.81	114.40	116.92	0.0873	10.20
2	129.98	133.73	120.50	105.46	122.42	0.6981	85.46
3	161.83	165.42	145.81	135.70	152.19	1.3963	212.50
4	169.83	171.81	157.06	149.79	162.12	2.0944	339.55
5	155.46	159.05	172.41	169.53	164.11	2.7925	458.28
6	106.49	108.18	138.52	133.75	121.73	3.4907	424.92
7	60.17	61.23	82.84	81.48	71.43	4.1888	299.20
8	41.42	41.74	49.86	49.90	45.73	4.8869	223.48
9							
10							
11							
12							
						Total airflow [CFM]:	2053.60

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	957	Voltage	*V*	120.2
Room temperature	*°F*	73.9	Frequency	*Hz*	60
Relative humidity	*%*	46.0	Current	*A*	0.46
Rotate speed	*RPM*	193	Power	*W*	29.46

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	313.15	312.18	266.73	265.35	289.35	0.0873	25.25
2	340.74	347.74	273.63	280.87	310.74	0.6981	216.94
3	407.50	415.56	350.51	362.40	383.99	1.3963	536.15
4	428.16	442.96	397.33	405.96	418.60	2.0944	876.72
5	399.89	385.80	431.82	418.80	409.08	2.7925	1142.36
6	277.41	249.65	360.04	311.29	299.60	3.4907	1045.80
7	161.40	143.21	222.39	175.70	175.68	4.1888	735.87
8	119.34	105.22	141.55	121.98	122.02	4.8869	596.30
9							
10							
11							
12							
						Total airflow [CFM]:	5175.40

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	957	Voltage	*V*	120.3
Room temperature	*°F*	67.8	Frequency	*Hz*	60
Relative humidity	*%*	52.3	Current	*A*	0.46
Rotate speed	*RPM*	193	Power	*W*	29.50

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	302.95	264.43	258.26	273.96	274.90	0.0873	23.99
2	340.99	333.09	293.06	286.07	313.30	0.6981	218.73
3	408.03	413.99	364.76	352.55	384.83	1.3963	537.33
4	435.54	434.43	410.06	393.79	418.46	2.0944	876.41
5	396.02	387.91	442.71	415.08	410.43	2.7925	1146.14
6	265.61	256.61	356.86	323.01	300.52	3.4907	1049.03
7	162.49	144.97	214.52	197.57	179.89	4.1888	753.52
8	116.70	99.55	130.19	127.51	118.49	4.8869	579.03
9							
10							
11							
12							
						Total airflow [CFM]:	5184.17

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	956	Voltage	*V*	120.3
Room temperature	*°F*	67.1	Frequency	*Hz*	60
Relative humidity	*%*	52.9	Current	*A*	0.08
Rotate speed	*RPM*	76	Power	*W*	2.82

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	108.31	128.61	111.84	110.61	114.84	0.0873	10.02
2	121.05	132.93	125.02	112.50	122.88	0.6981	85.78
3	148.94	159.72	149.41	137.84	148.98	1.3963	208.02
4	146.41	163.09	159.12	152.65	155.32	2.0944	325.30
5	127.36	152.05	148.03	165.61	148.26	2.7925	414.02
6	98.53	114.96	101.52	132.52	111.88	3.4907	390.54
7	66.23	78.15	56.05	77.39	69.45	4.1888	290.93
8	48.64	53.81	39.14	49.27	47.72	4.8869	233.20
9							
10							
11							
12							
						Total airflow [CFM]:	1957.81

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	956	Voltage	*V*	120.3
Room temperature	*°F*	68.7	Frequency	*Hz*	60
Relative humidity	*%*	50.5	Current	*A*	0.08
Rotate speed	*RPM*	76	Power	*W*	2.81

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	102.39	120.54	123.82	122.13	117.22	0.0873	10.23
2	114.87	132.04	124.68	117.65	122.31	0.6981	85.39
3	150.50	160.19	146.68	135.47	148.21	1.3963	206.94
4	159.99	164.45	159.38	149.60	158.35	2.0944	331.65
5	147.30	145.02	150.01	163.09	151.35	2.7925	422.65
6	106.04	96.91	95.94	122.51	105.35	3.4907	367.74
7	72.78	56.45	54.92	76.72	65.22	4.1888	273.19
8	51.86	42.81	38.57	50.03	45.81	4.8869	223.89
9							
10							
11							
12							
						Total airflow [CFM]:	1921.69

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	956	Voltage	*V*	120.1
Room temperature	*°F*	70.6	Frequency	*Hz*	60
Relative humidity	*%*	48.8	Current	*A*	0.46
Rotate speed	*RPM*	190	Power	*W*	29.47

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	272.66	281.03	267.78	276.95	274.60	0.0873	23.96
2	317.38	321.95	283.89	291.54	303.69	0.6981	212.02
3	386.20	382.12	339.99	360.90	367.30	1.3963	512.85
4	410.20	413.91	382.46	404.07	402.66	2.0944	843.33
5	394.26	401.34	416.02	411.82	405.86	2.7925	1133.37
6	288.32	293.45	356.23	311.66	312.42	3.4907	1090.54
7	176.32	173.46	223.13	180.78	188.42	4.1888	789.25
8	120.23	117.07	136.94	117.76	123.00	4.8869	601.09
9							
10							
11							
12							
						Total airflow [CFM]:	5206.41

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

Item	*Unit*	Value	Item	*Unit*	Value
Barometric pressure	*hPa*	956	Voltage	*V*	120.1
Room temperature	*°F*	71.5	Frequency	*Hz*	60
Relative humidity	*%*	48.0	Current	*A*	0.46
Rotate speed	*RPM*	190	Power	*W*	29.44

Sensor #	Velocity in FPM - Axis #				Average Vel. [FPM]	Circle area [sq. Ft.]	Airflow [CFM]
	A	B	C	D			
1	287.39	279.96	265.20	276.31	277.22	0.0873	24.19
2	329.76	309.95	279.71	300.06	304.87	0.6981	212.84
3	393.22	380.04	348.34	373.03	373.66	1.3963	521.73
4	412.20	404.63	386.13	408.35	402.83	2.0944	843.68
5	388.55	403.97	411.66	414.78	404.74	2.7925	1130.25
6	264.02	312.85	343.91	303.14	305.98	3.4907	1068.07
7	155.40	196.93	220.59	180.48	188.35	4.1888	788.97
8	113.45	133.51	139.24	120.23	126.61	4.8869	618.71
9							
10							
11							
12							
						Total airflow [CFM]:	5208.44

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	2016.17	5179.78	2.88	29.48	0.83	191.63
Sample 2	1939.75	5207.43	2.82	29.45	0.83	190.94
Number of samples	2	2	2	2	2	2
Mean	1977.96	5193.60	2.85	29.47	0.83	191.29
Standard deviation	54.04	19.55	0.04	0.02	0.00	0.49
$LCL_{0.90}$/0.9 for Airflow and Efficiency	2067.05	5723.40	N/A	N/A	N/A	211.35
$UCL_{0.95}$/1.1 for Power	N/A	N/A	2.76	26.86	0.75	N/A
Declarable value	1978	5194	2.85	29.47	0.83	191.29
Minimum Efficiency on and after January 21, 2020						71.83
Verdict						Pass

FTC EnergyGuide

Item	*Unit*	Standard	Hugger
Airflow (weighted-average)	*CFM*	3686	N/A
Energy Use	*W*	19	N/A
Airflow Efficiency	*CFM/W*	191	N/A
Estimated Yearly Energy Cost	*$*	5	N/A

Revision Summary

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

--THE END--