

Evaluation Report

Iris 12 RGB 256-2



FAN TESTING MACHINE TECHNICAL SPECIFICATIONS

Manufacturer	Long Win Science & Technology Corporation
Model Number	LW-9266
Air Flow Rate	2.4 - 250 CFM
Accuracy of Air Flow Range	< 3.5% INFS
Repeatability error	< 2%
Static pressure	0-20mmAq (100mmAq with the high static pressure throttle device)
Overall Dimensions	0.7 (W) x 2.2 (L) x 1.6 (H) m
Power Source	220VAC, 5A, Single Phase, 50/60Hz
Based on Standards	ISO 5801-2007, AMCA 210-0, ASHRAE 51-2007, IEC 61591-2005, GB/T 1236-200

All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 1/13

Evaluation Report

Iris 12 RGB 256-2

TEST EQUIPMENT

Test Environment	Hemi-Anechoic Chamber with 6 dB(A) noise floor
Conditions	25(±2) degrees Celsius, 40-50% humidity
Sound Analyzer	Bruel & Kjaer 2270-S G4 & 2250-L G4
Microphone	Bruel & Kjaer Type 4955-A
Mic Calibrator	Bruel & Kjaer Type 4231
Data Logger	Picoscope TC-08

TECHNICAL SPECIFICATIONS TABLE

Brand	Raijintek
Model	Iris 12 RGB 256-2
Max Speed (RPM)	1905
Max Airflow (CFM)	38.04
Max Static Pressure (mmAq)	1.16
Max Fan Noise Level	29.6
Fan Bearing Type	Hydro Dynamic
Fan Connector	PWM
Fan Max Current (A)	0.13
Fan Weight (gr)	155
Dimensions (W x H x D)	120 x 120 x 25 mm
Fan daisy-chain connector	X
Cable length (mm)	490

All data and graphs included in this test report can be used by any individual on the following conditions:

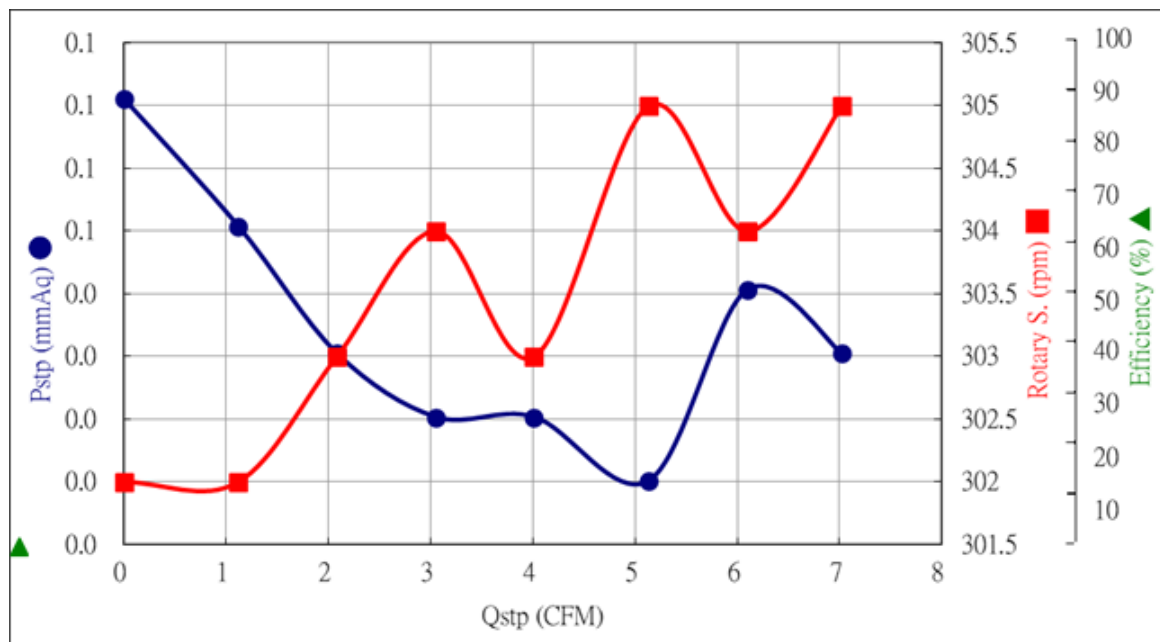
- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 2/13

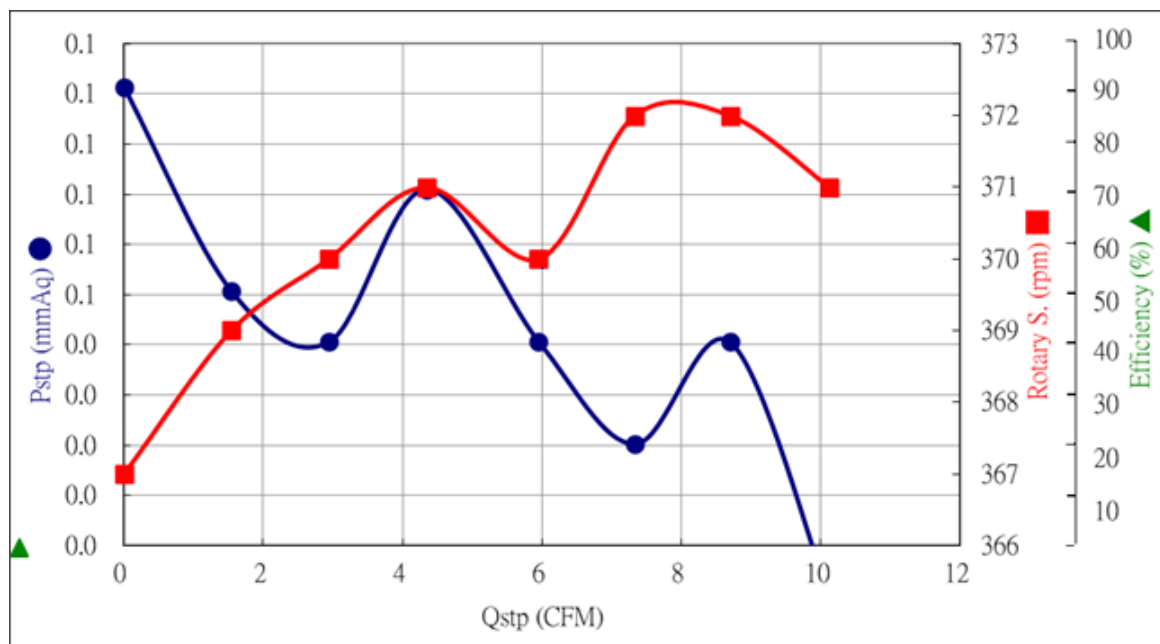
Evaluation Report

Iris 12 RGB 256-2

PQ Chart 10% Speed



PQ Chart 20% Speed



All data and graphs included in this test report can be used by any individual on the following conditions:

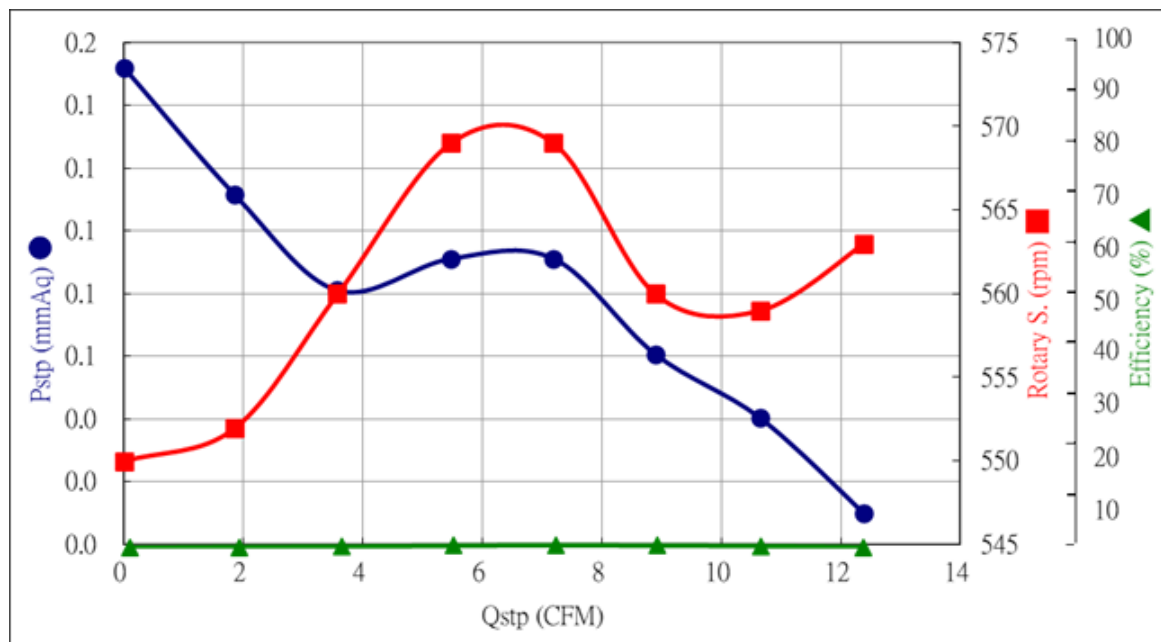
- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 3/13

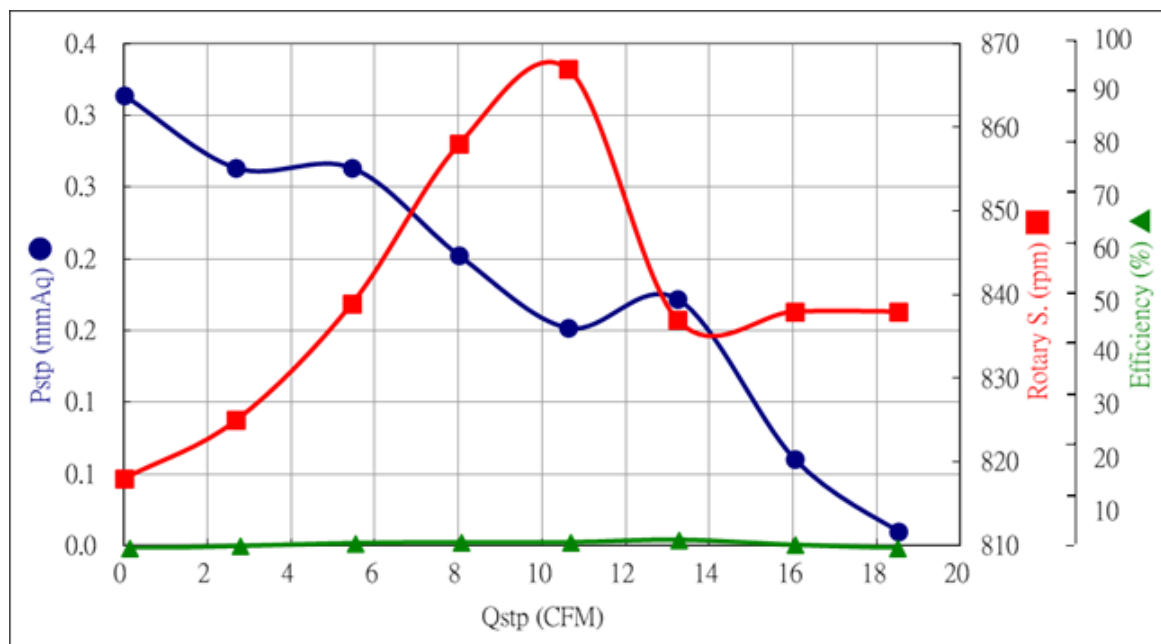
Evaluation Report

Iris 12 RGB 256-2

PQ Chart 30% Speed



PQ Chart 40% Speed



All data and graphs included in this test report can be used by any individual on the following conditions:

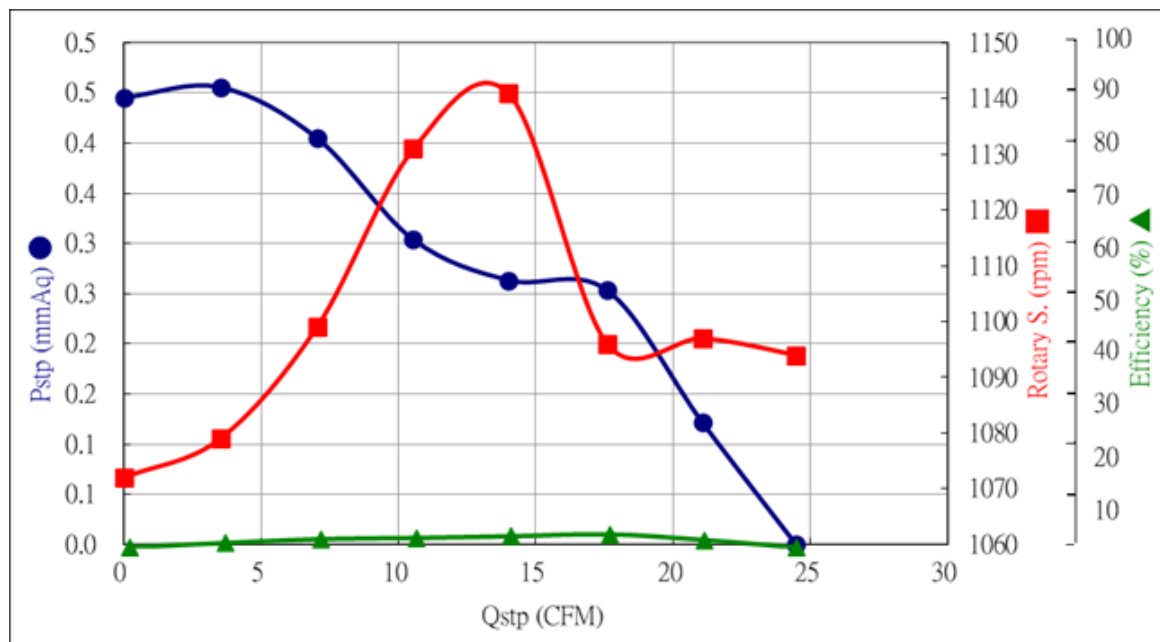
- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 4/13

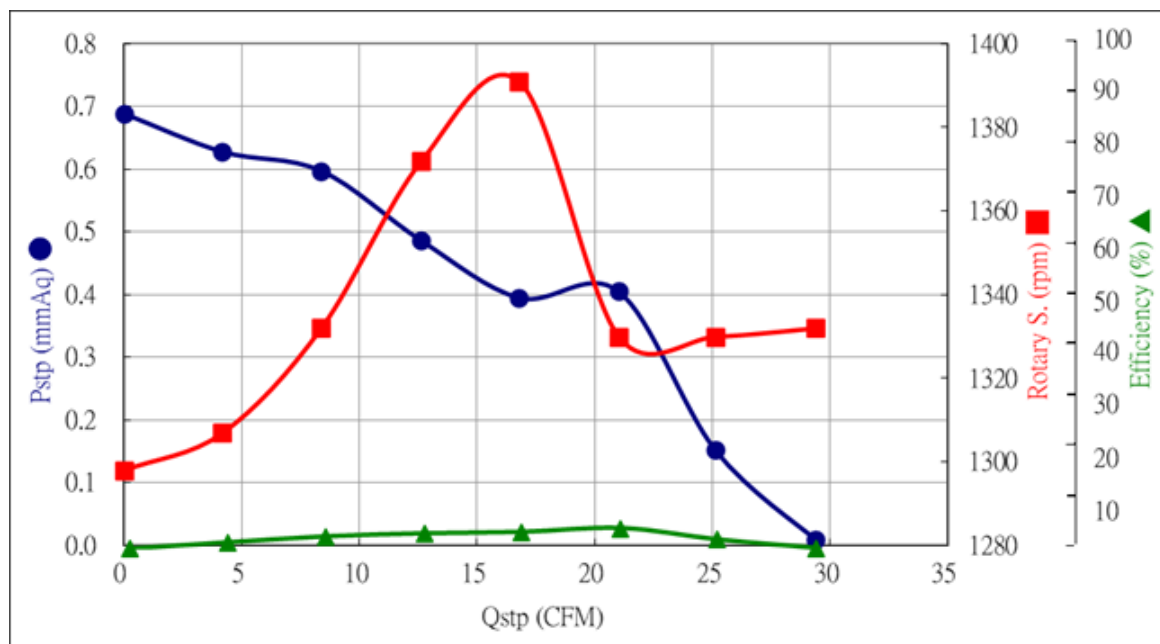
Evaluation Report

Iris 12 RGB 256-2

PQ Chart 50% Speed



PQ Chart 60% Speed



All data and graphs included in this test report can be used by any individual on the following conditions:

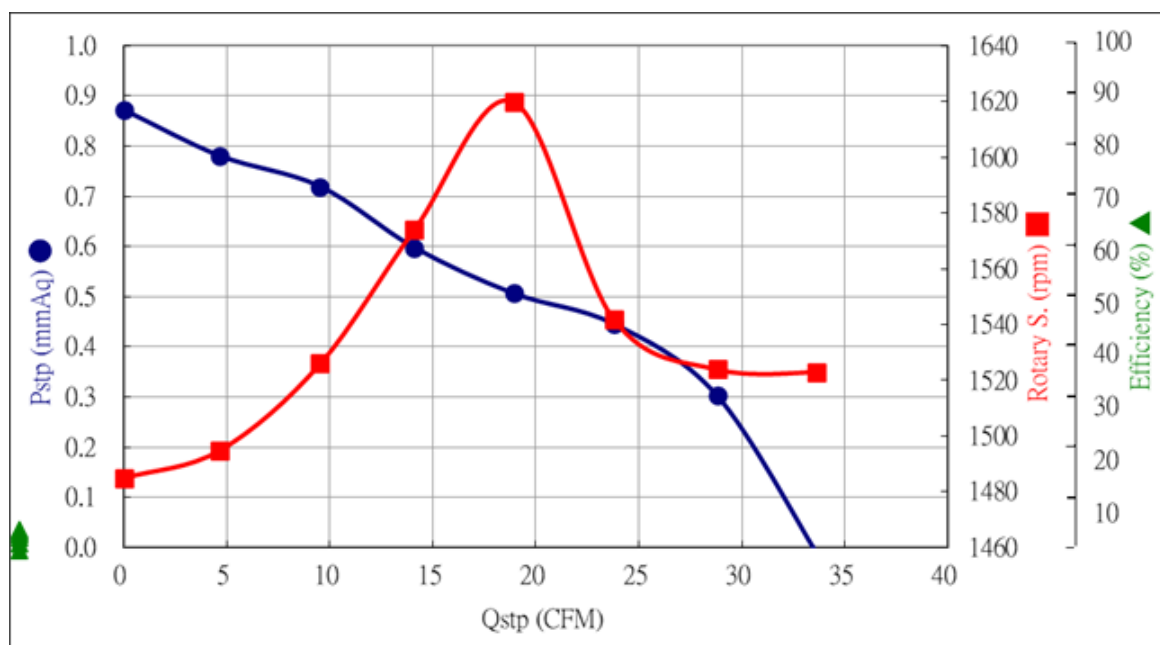
- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 5/13

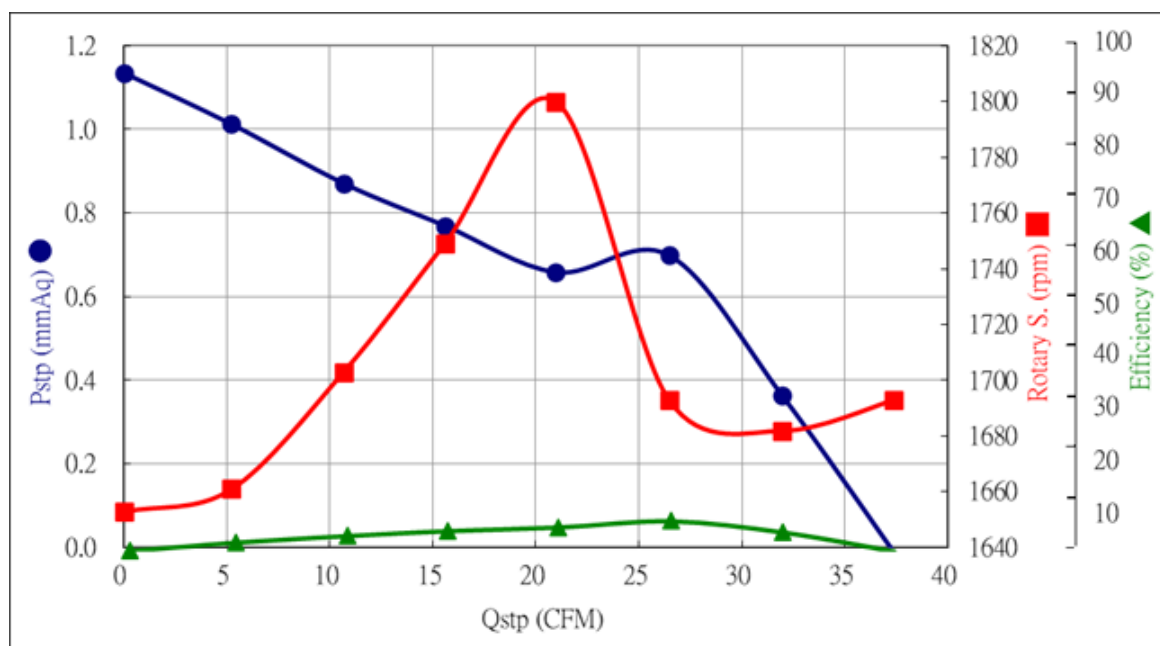
Evaluation Report

Iris 12 RGB 256-2

PQ Chart 70% Speed



PQ Chart 80% Speed



All data and graphs included in this test report can be used by any individual on the following conditions:

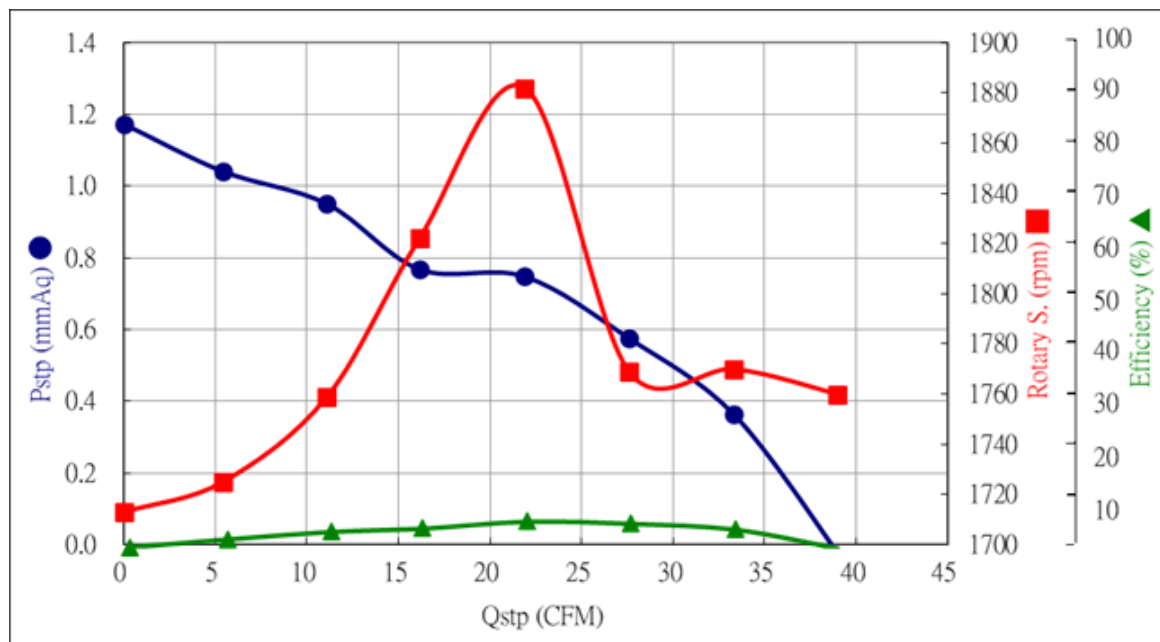
- › It should be mentioned that the test results are provided by Cybenetics
- › The link to the original test results document should be provided in any case

PAGE 6/13

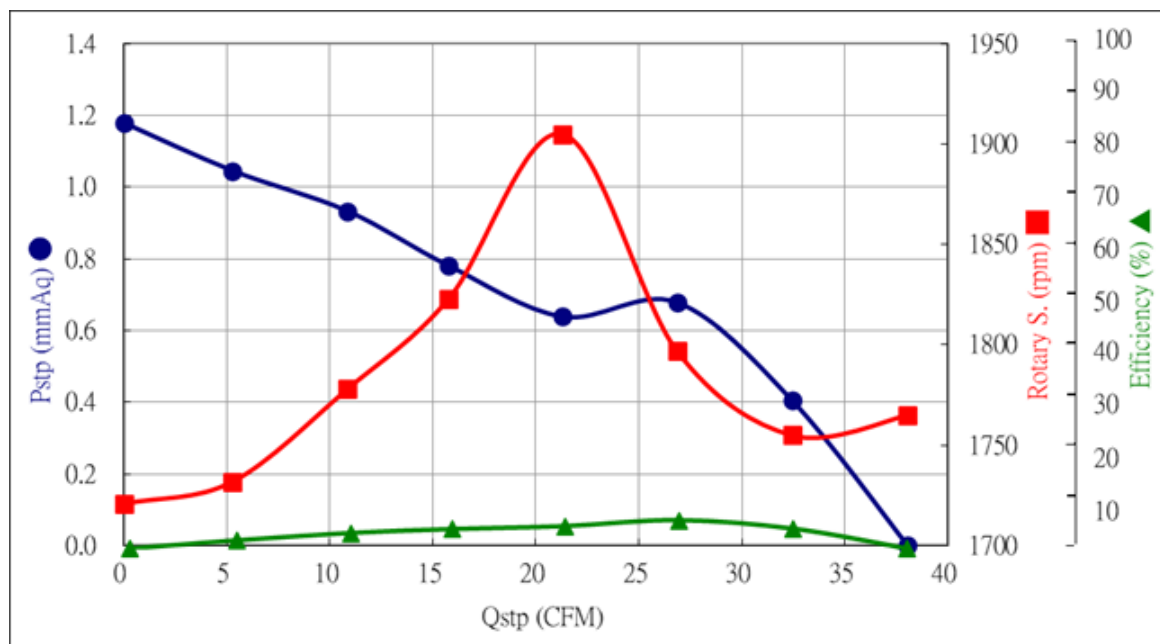
Evaluation Report

Iris 12 RGB 256-2

PQ Chart 90% Speed



PQ Chart 100% Speed



All data and graphs included in this test report can be used by any individual on the following conditions:

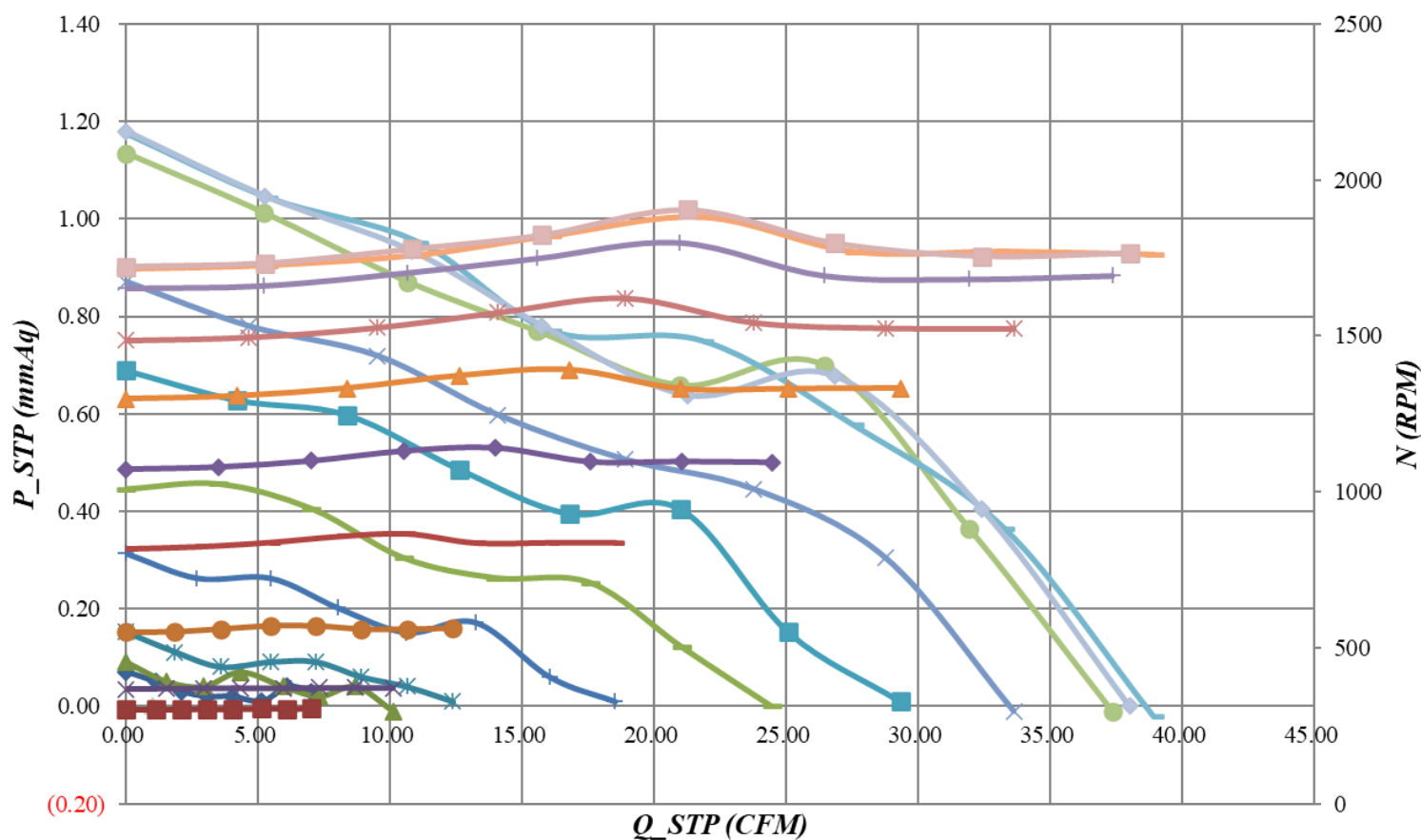
- › It should be mentioned that the test results are provided by Cybenetics
- › The link to the original test results document should be provided in any case

PAGE 7/13

Evaluation Report

Iris 12 RGB 256-2

PQ Chart All Speed



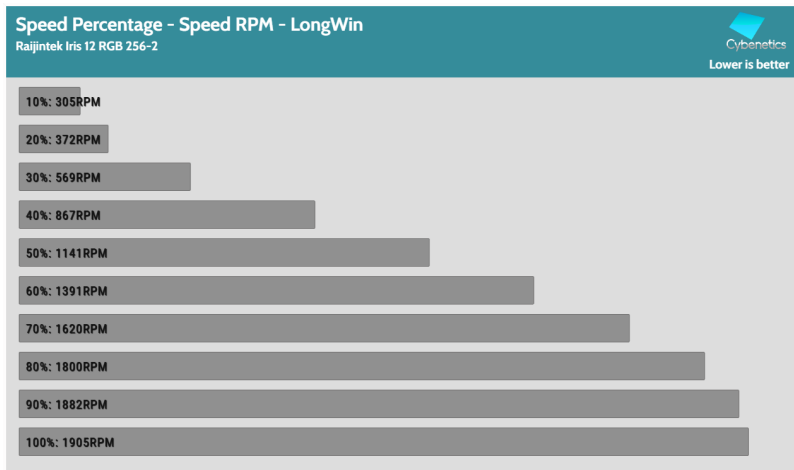
All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 8/13

Evaluation Report

Iris 12 RGB 256-2



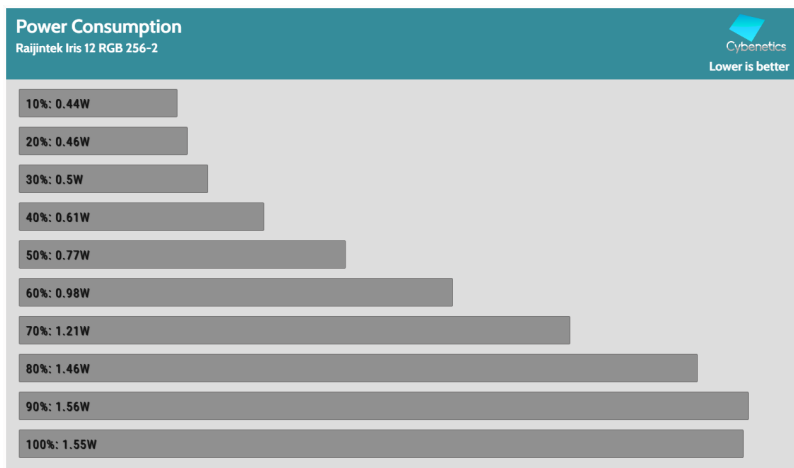
All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 9/13

Evaluation Report

Iris 12 RGB 256-2



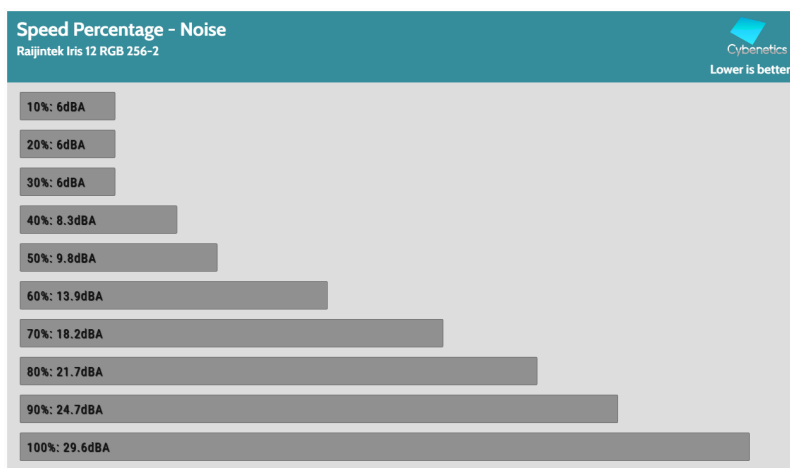
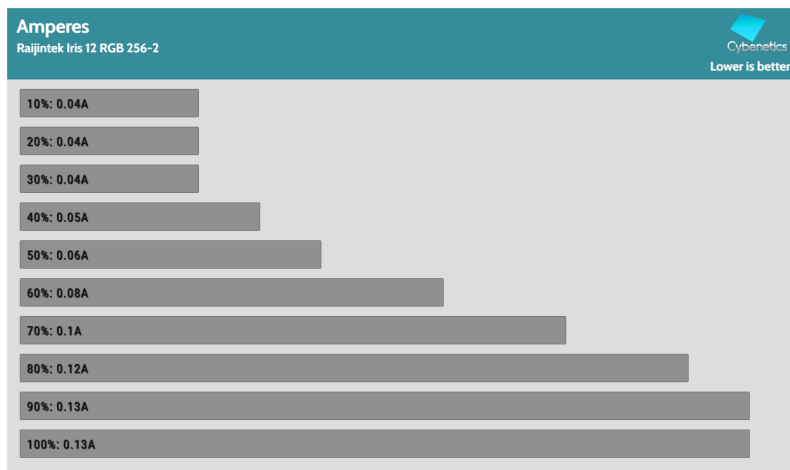
All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 10/13

Evaluation Report

Iris 12 RGB 256-2



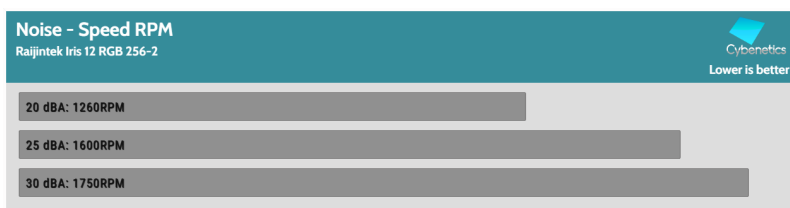
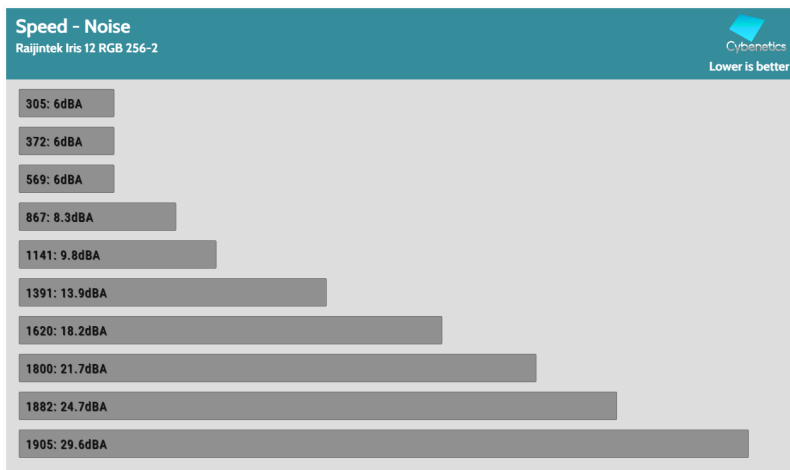
All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 11/13

Evaluation Report

Iris 12 RGB 256-2



All data and graphs included in this test report can be used by any individual on the following conditions:

- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 12/13

Evaluation Report

Iris 12 RGB 256-2



All data and graphs included in this test report can be used by any individual on the following conditions:

- › It should be mentioned that the test results are provided by Cybenetics
- › The link to the original test results document should be provided in any case

PAGE 13/13