



**FAN TESTING MACHINE TECHNICAL SPECIFICATIONS**

<b>Manufacturer</b>	<b>Long Win Science &amp; Technology Corporation</b>
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 Dimensionsr	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

## Evaluation Report

AF120 RGB Elite

### 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	Corsair
Model	AF120 RGB Elite
Max Speed (RPM)	2205
Max Airflow (CFM)	65.23
Max Static Pressure (mmAq)	2.50
Max Fan Noise Level	39.3
Fan Bearing Type	Fluid Dynamic
Fan Connector	PWM
Fan Max Current (A)	0.18
Fan Weight (gr)	178
Dimensions (W x H x D)	120 x 120 x 25
Fan daisy-chain connector	X
Cable length (mm)	0

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

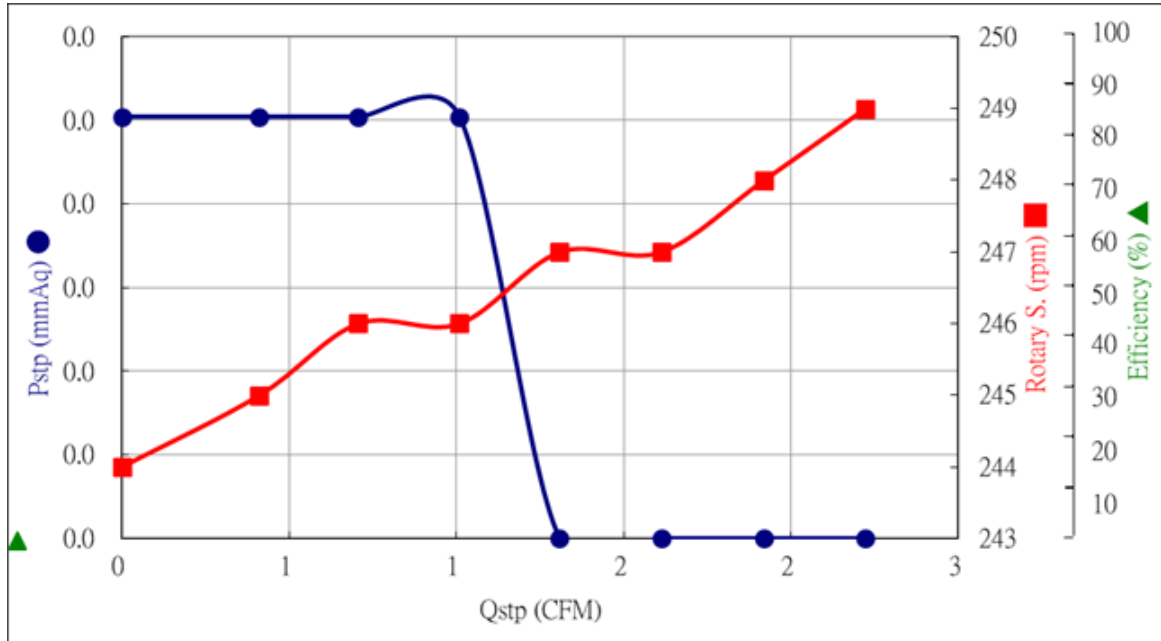
- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 2/13

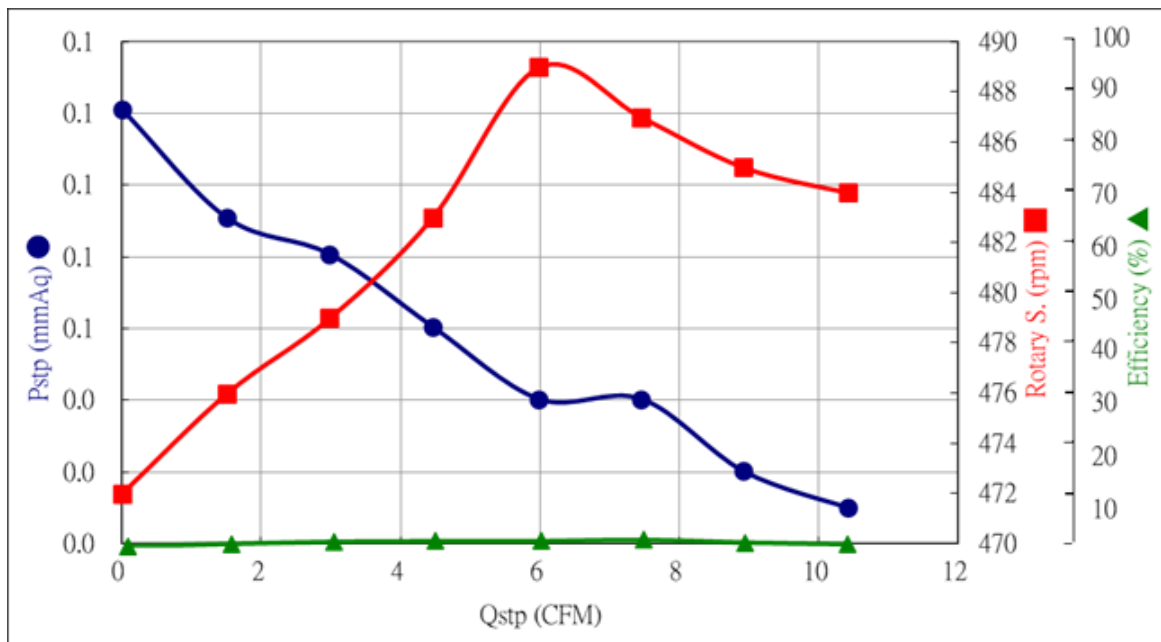
## Evaluation Report

AF120 RGB Elite

### PQ Chart 10% Speed



### PQ Chart 20% Speed



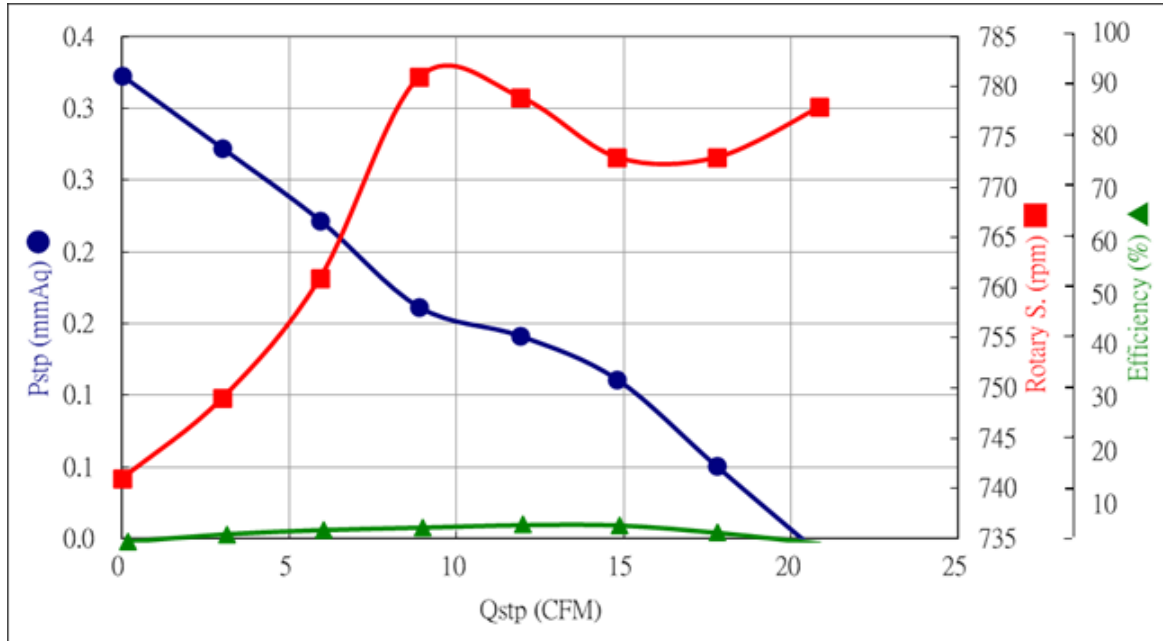
All data and graphs included in this test report can be used by any individual on the following conditions:

- > 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

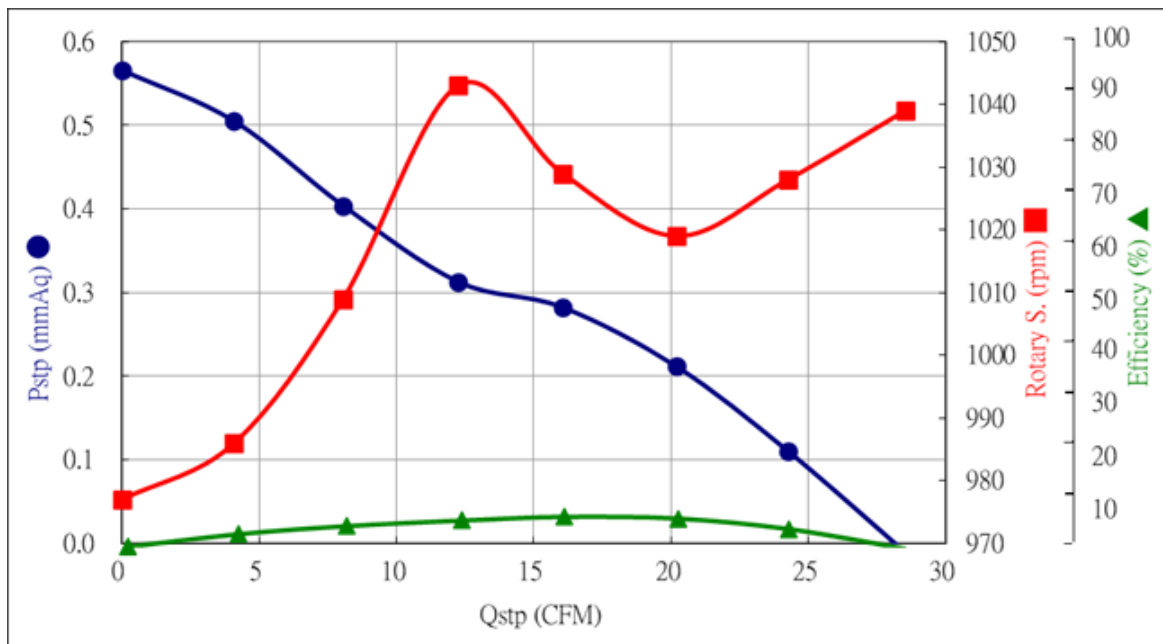
## Evaluation Report

AF120 RGB Elite

### PQ Chart 30% Speed



### PQ Chart 40% Speed



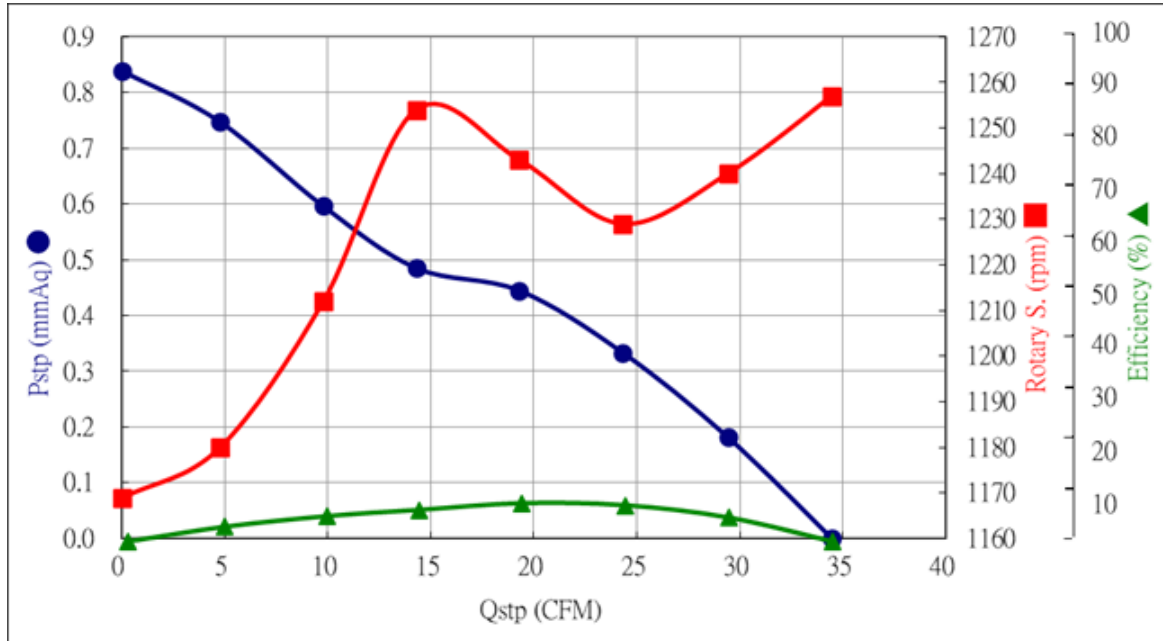
All data and graphs included in this test report can be used by any individual on the following conditions:

- > 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

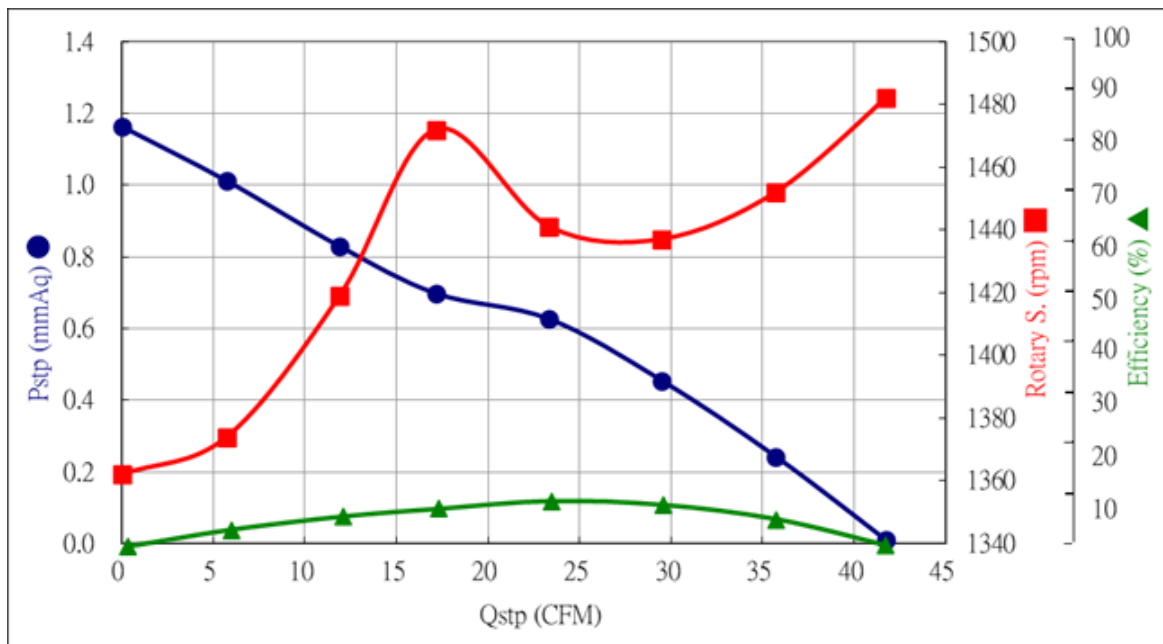
## Evaluation Report

AF120 RGB Elite

### PQ Chart 50% Speed



### PQ Chart 60% Speed



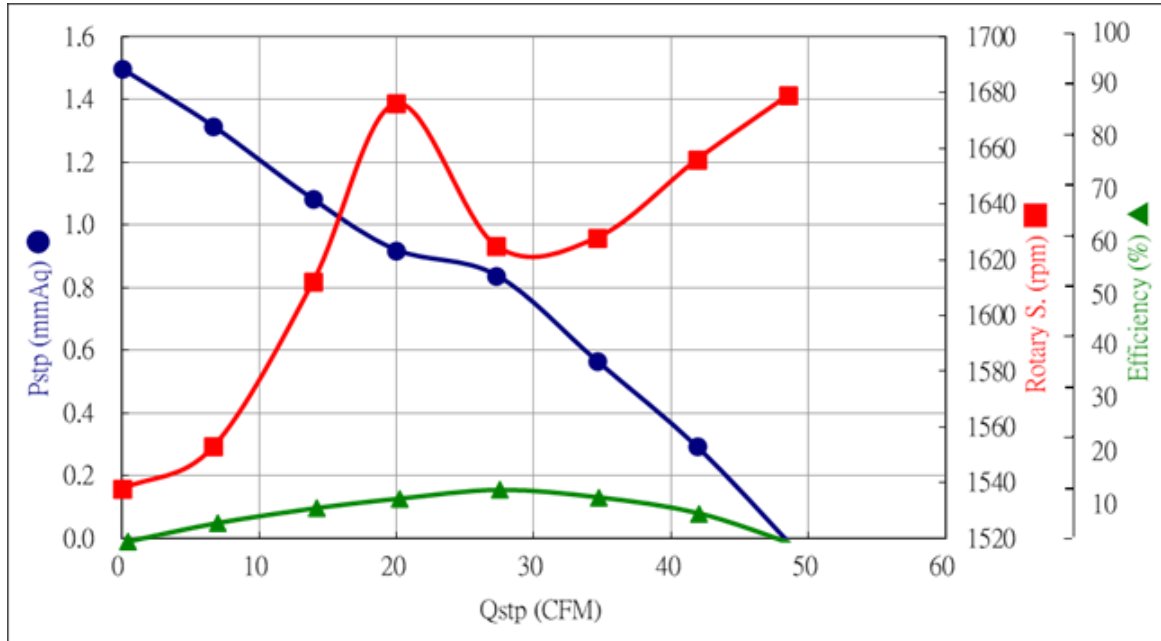
All data and graphs included in this test report can be used by any individual on the following conditions:

- > 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

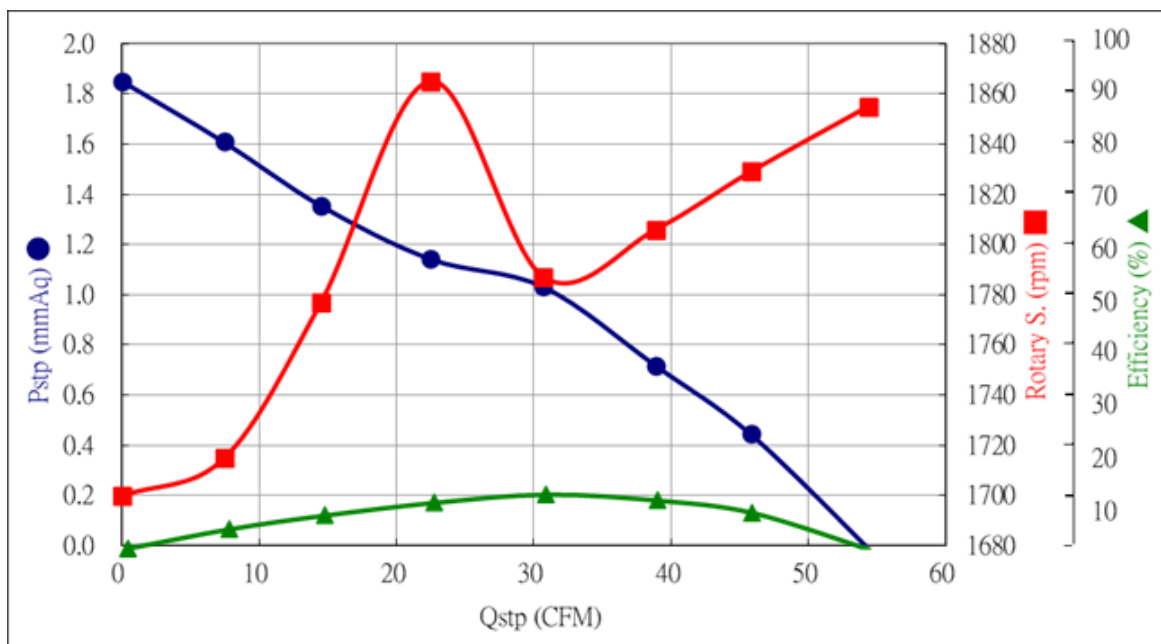
## Evaluation Report

AF120 RGB Elite

### PQ Chart 70% Speed



### PQ Chart 80% Speed



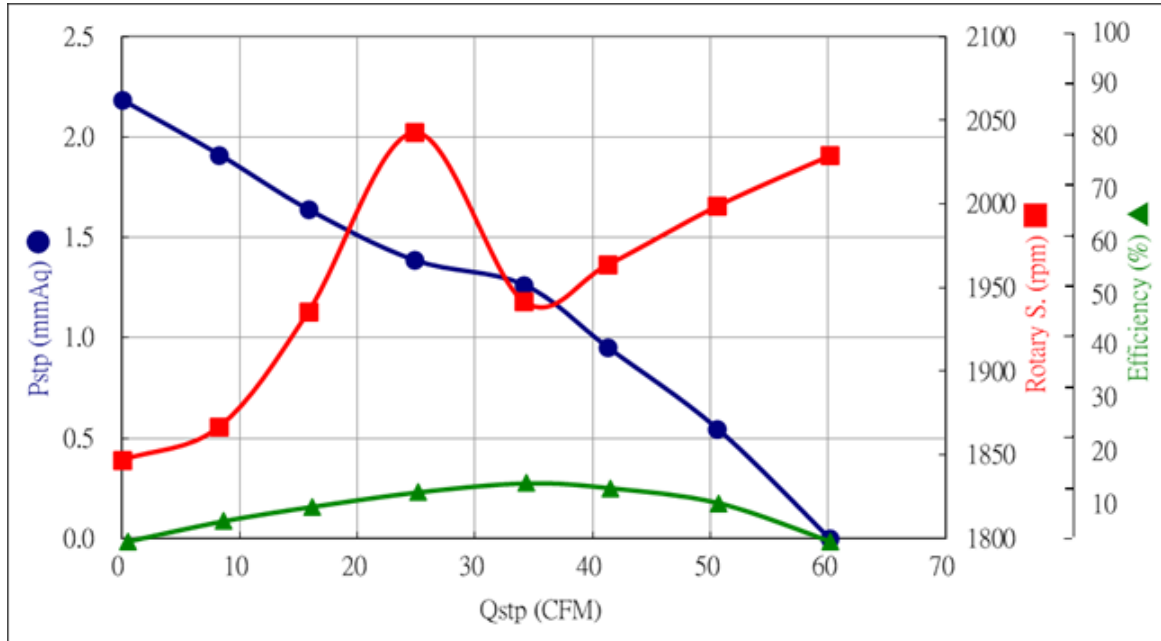
All data and graphs included in this test report can be used by any individual on the following conditions:

- > 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

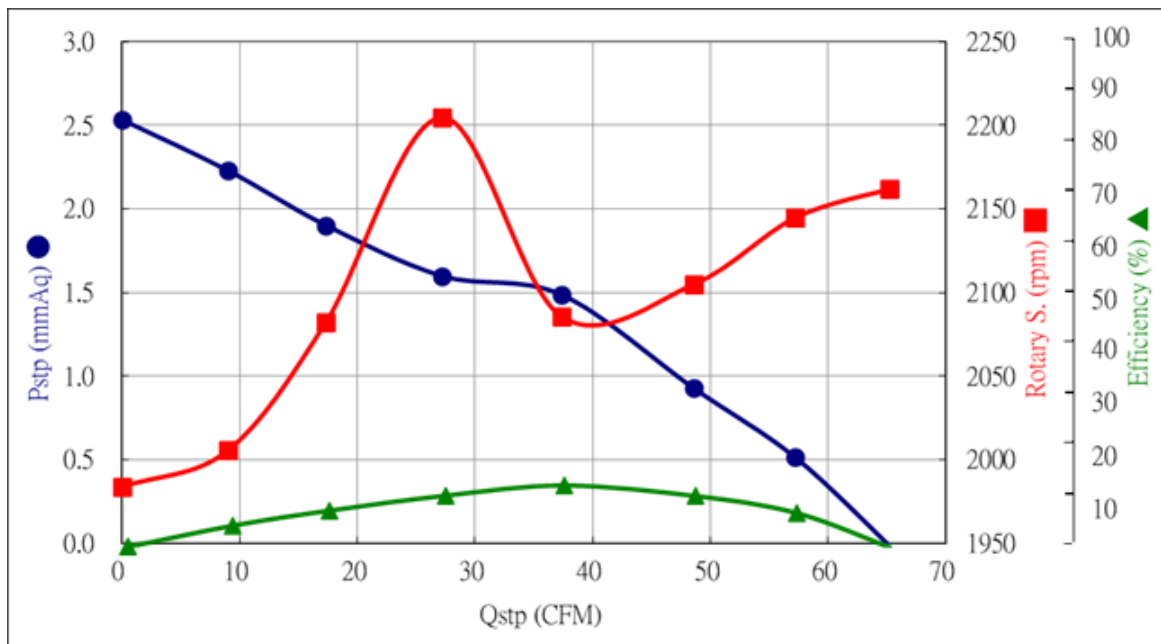
## Evaluation Report

AF120 RGB Elite

### PQ Chart 90% Speed



### PQ Chart 100% Speed



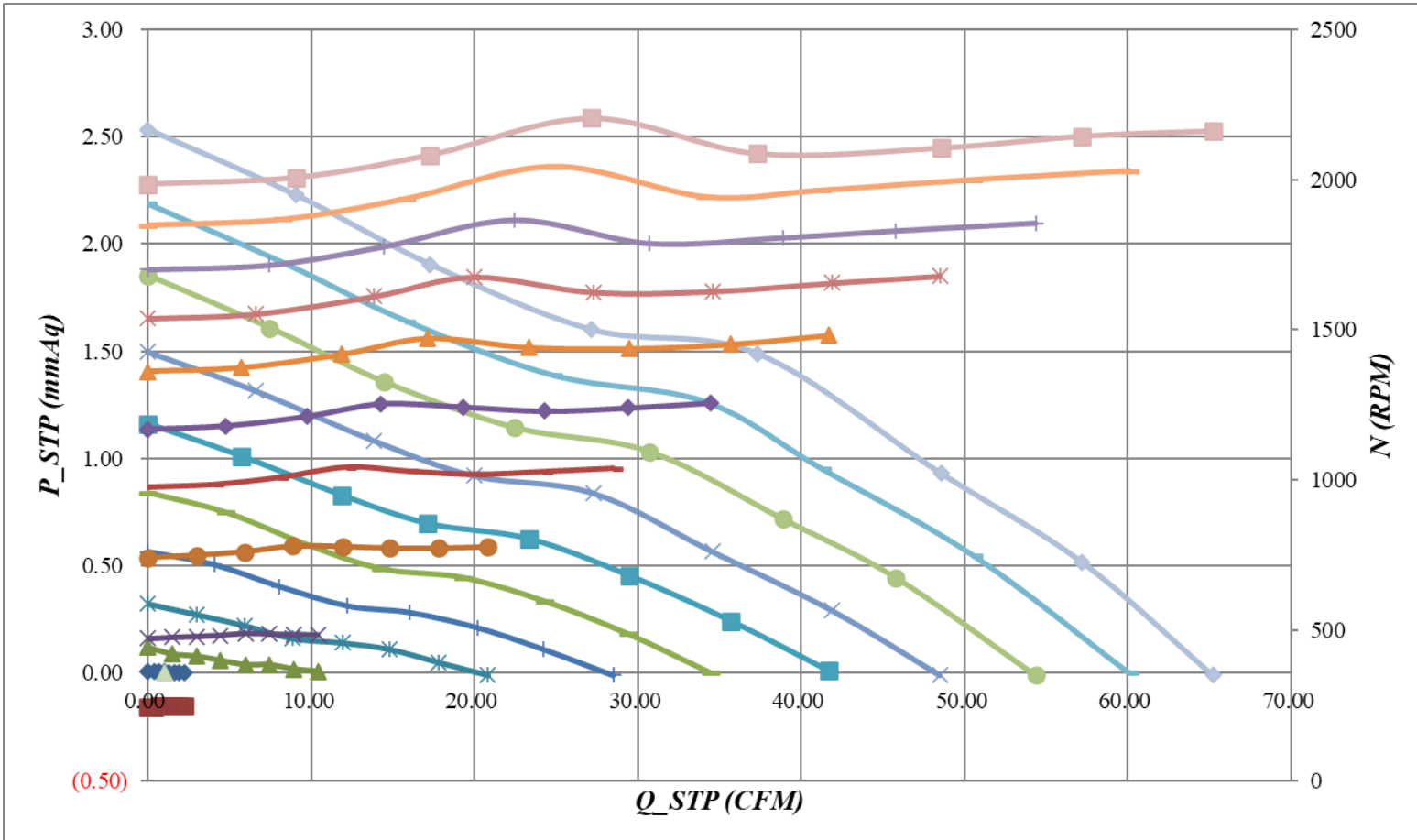
All data and graphs included in this test report can be used by any individual on the following conditions:

- > 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

**Evaluation Report**

AF120 RGB Elite

**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

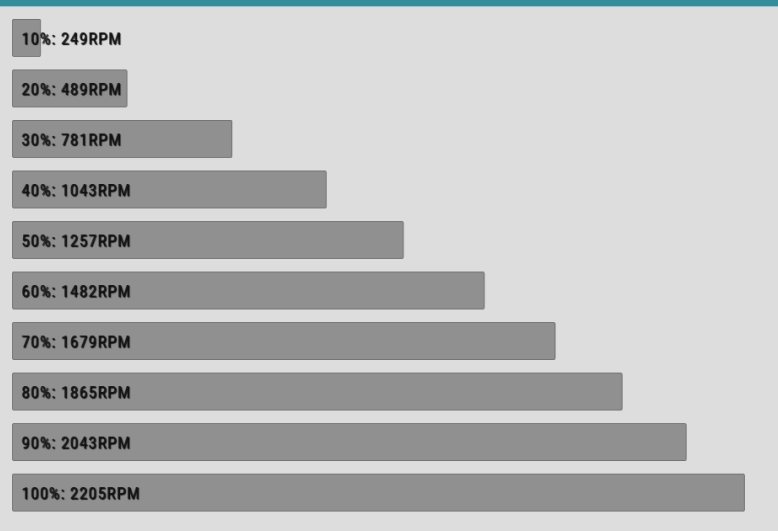


#### Speed Percentage - Speed RPM - LongWin

Corsair AF120 RGB Elite



Lower is better

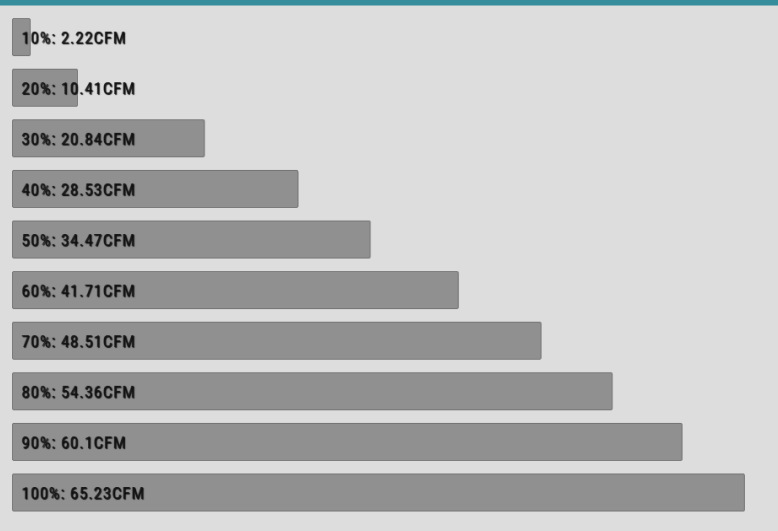


#### CFM

Corsair AF120 RGB Elite



Higher is better



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

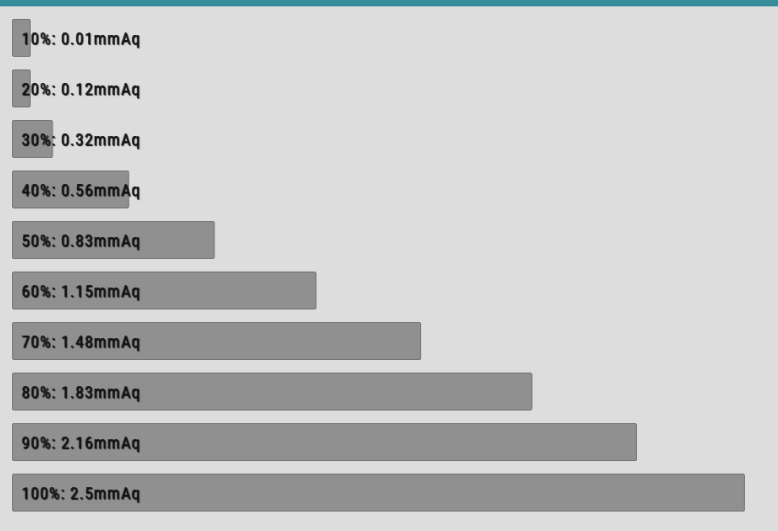
- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

#### Static Pressure

Corsair AF120 RGB Elite



Higher is better

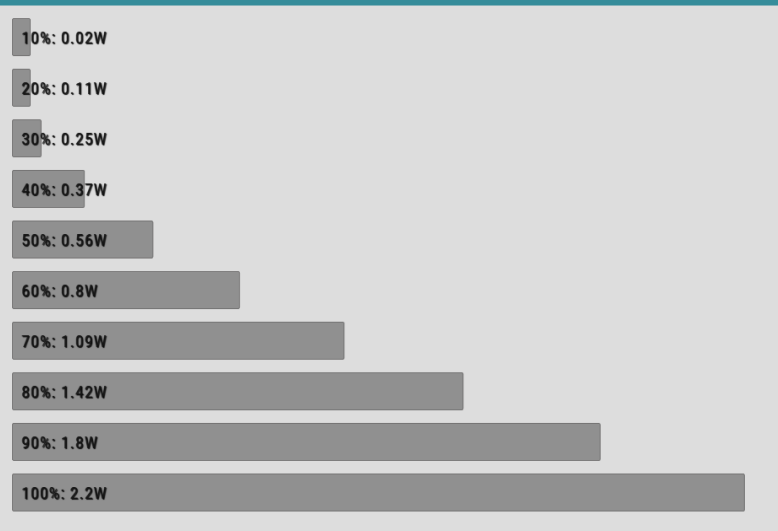


#### Power Consumption

Corsair AF120 RGB Elite

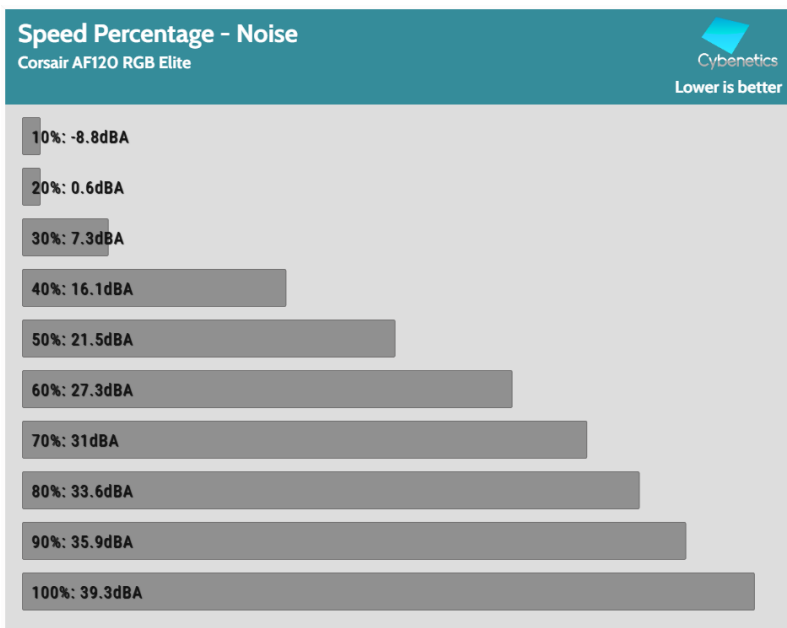
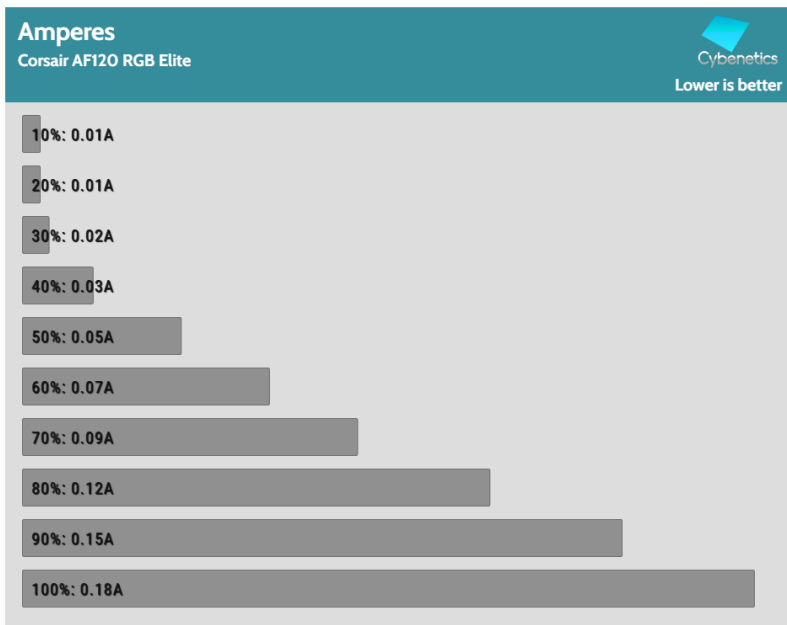


Lower is better



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

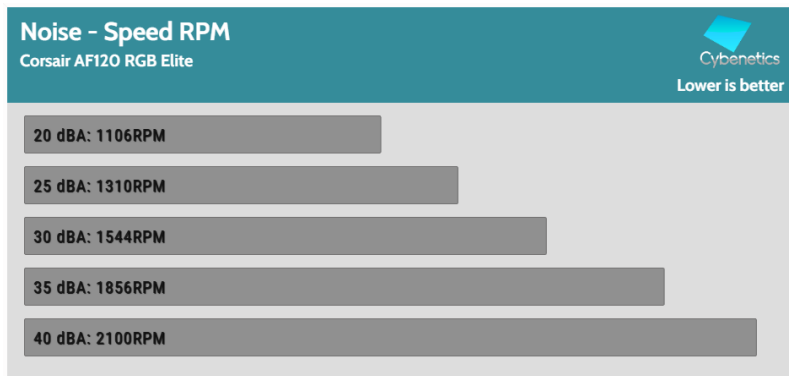
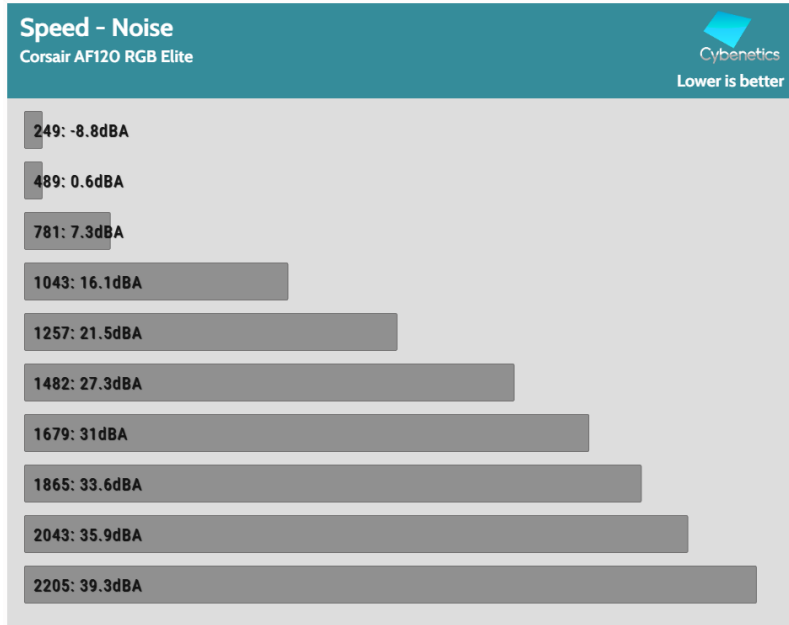


All data and graphs included in this test report can be used by any individual on the following conditions:

- > 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

**Evaluation Report**

AF120 RGB Elite



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



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**