



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 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 |

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Evaluation Report

Silent Wings 3 120mm PWM

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 | be quiet! |
| Model | Silent Wings 3 120mm PWM |
| Max Speed (RPM) | 1393 |
| Max Airflow (CFM) | 43.27 |
| Max Static Pressure (mmAq) | 1.02 |
| Max Fan Noise Level | 21.7 |
| Fan Bearing Type | Fluid Dynamic |
| Fan Connector | PWM |
| Fan Max Current (A) | 0.06 |
| Fan Weight (gr) | 154 |
| Dimensions (W x H x D) | 120 x 120 x 24 mm |
| Fan daisy-chain connector | x |
| Cable length (mm) | 500 |

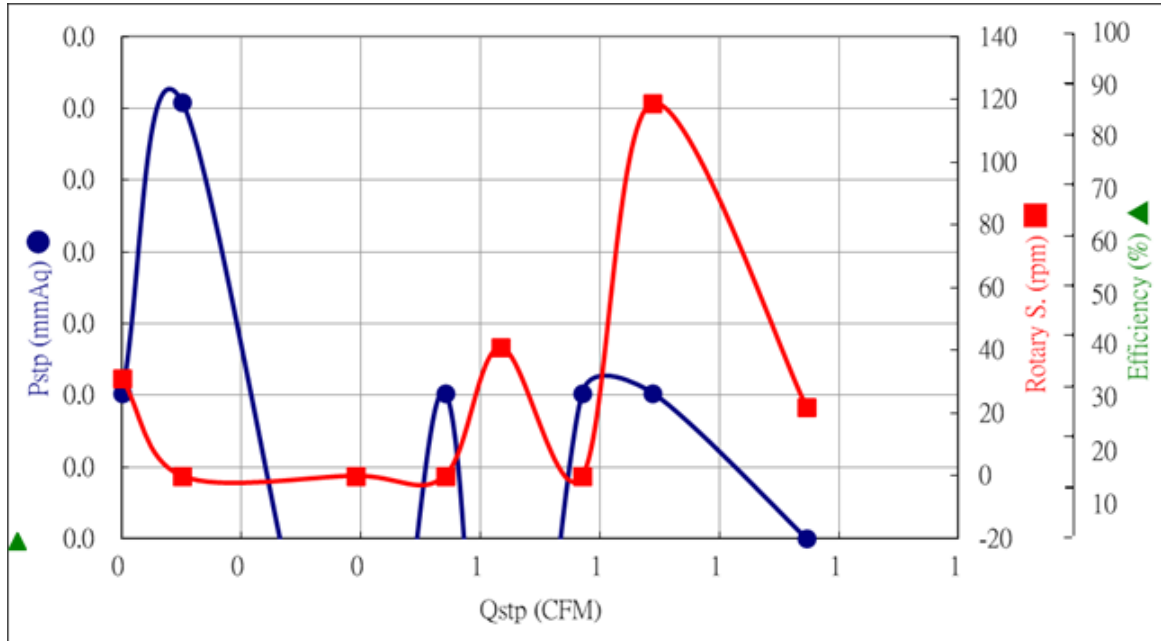
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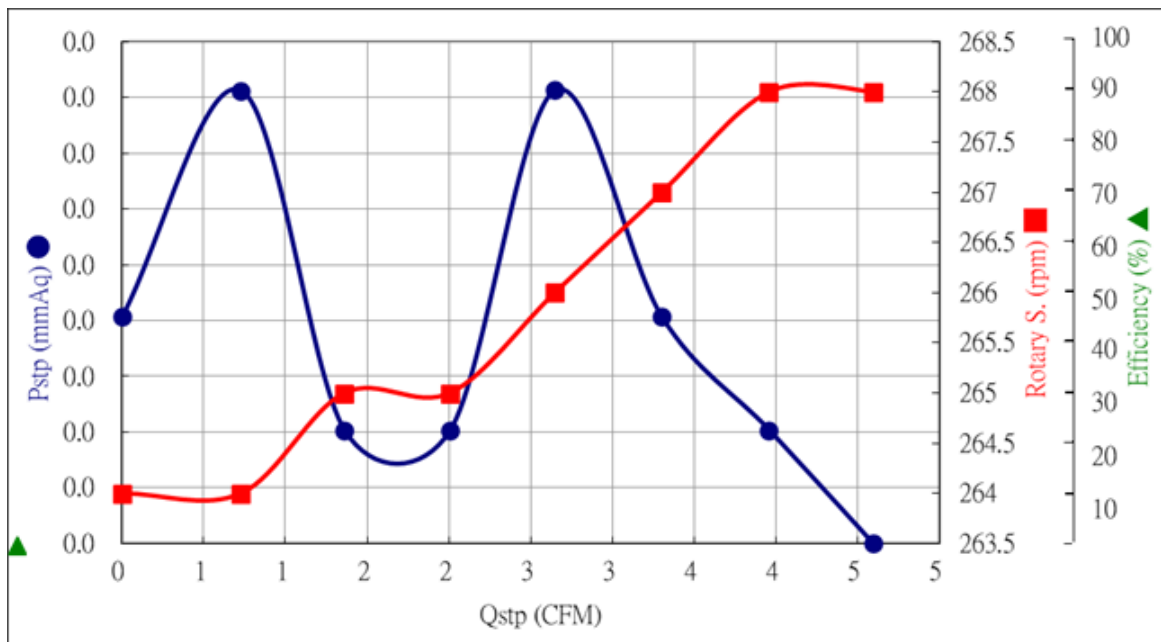
Evaluation Report

Silent Wings 3 120mm PWM

PQ Chart 10% Speed



PQ Chart 20% Speed



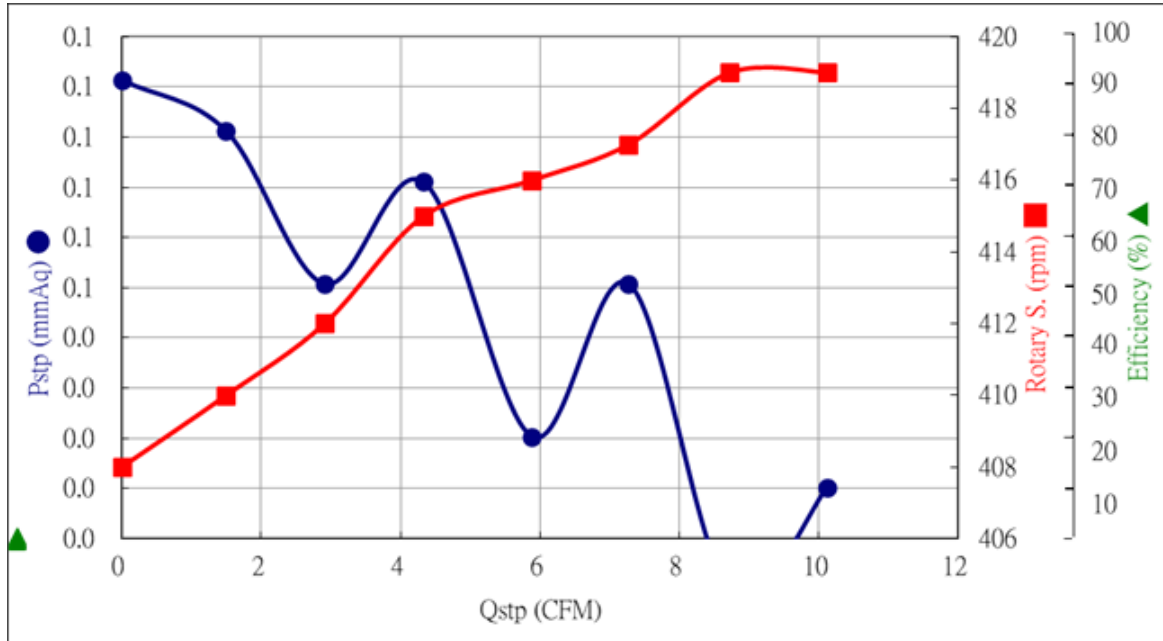
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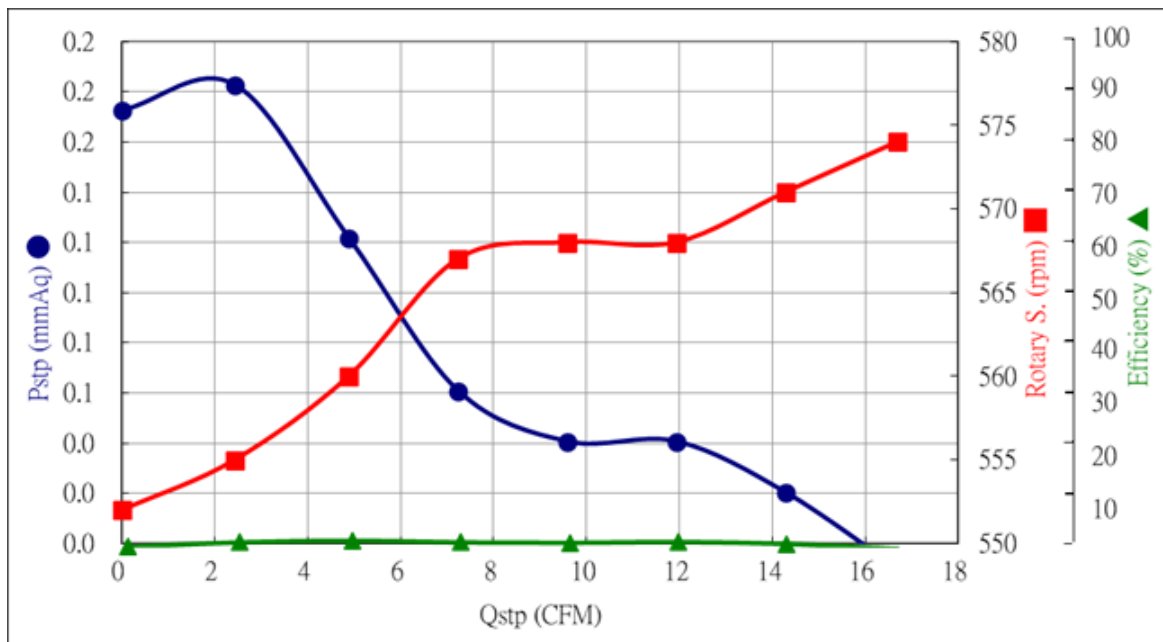
Evaluation Report

Silent Wings 3 120mm PWM

PQ Chart 30% Speed



PQ Chart 40% Speed



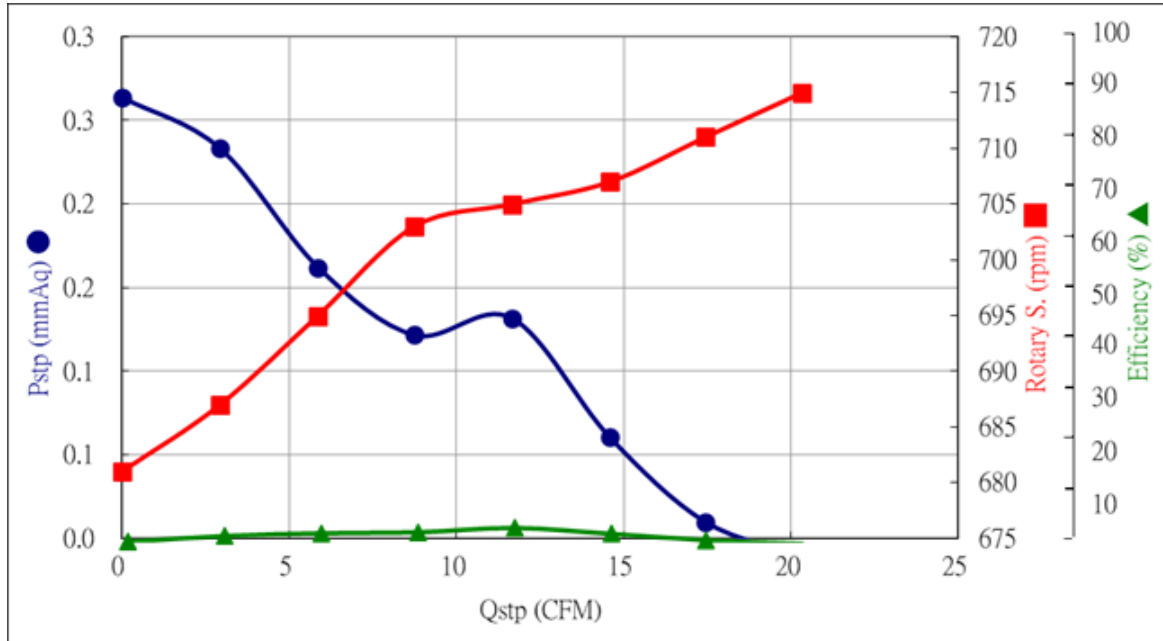
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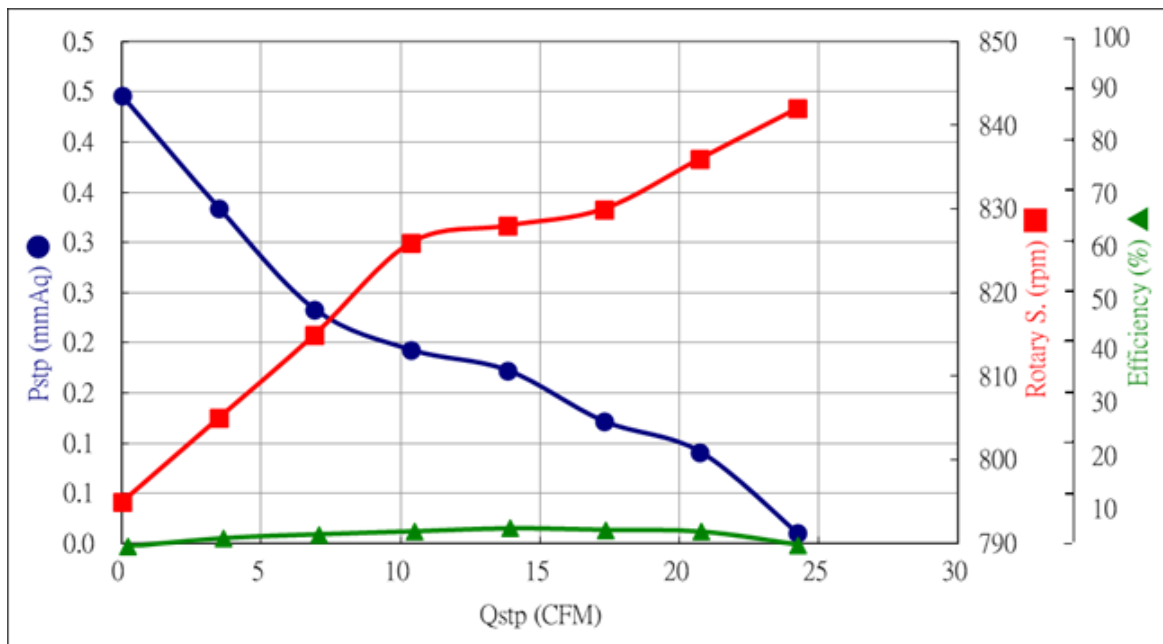
Evaluation Report

Silent Wings 3 120mm PWM

PQ Chart 50% Speed



PQ Chart 60% Speed



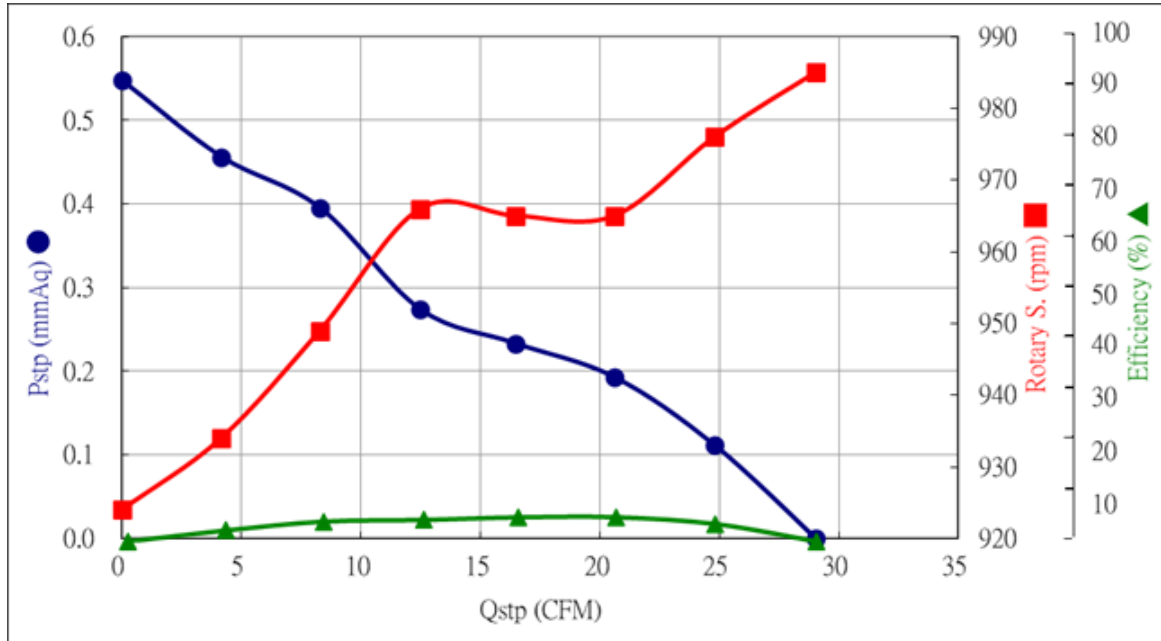
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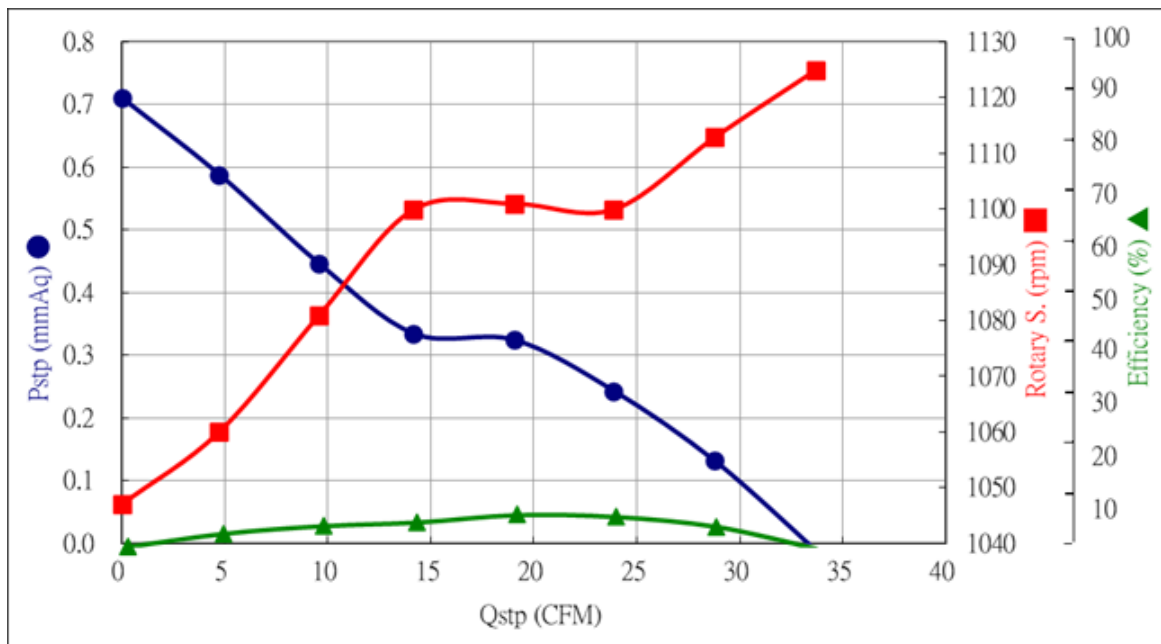
Evaluation Report

Silent Wings 3 120mm PWM

PQ Chart 70% Speed



PQ Chart 80% Speed



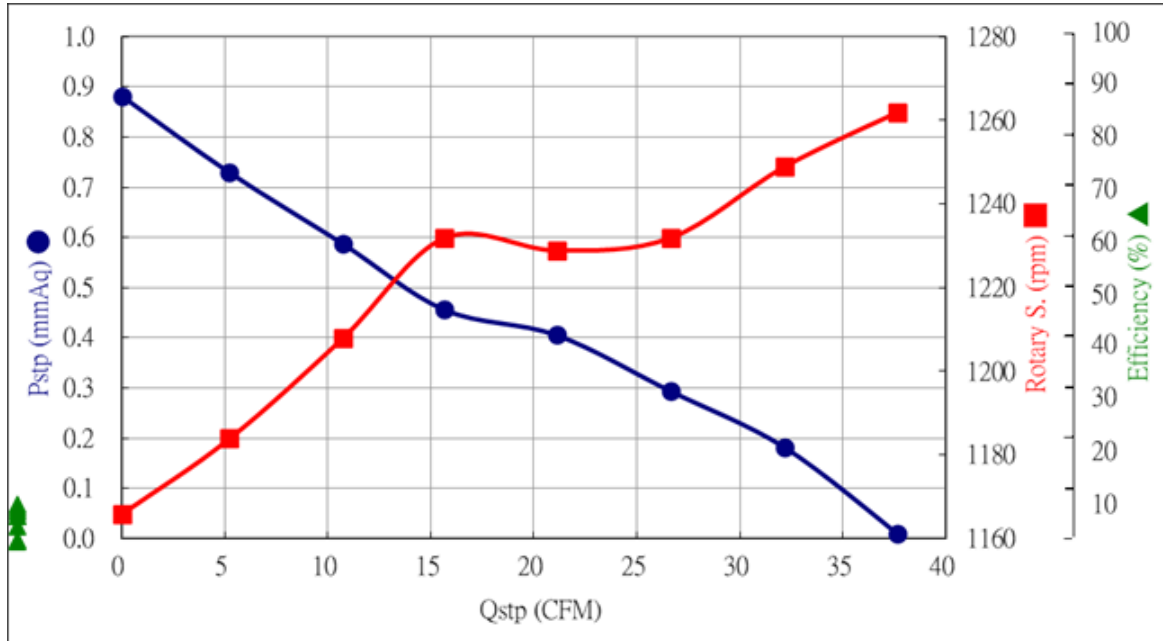
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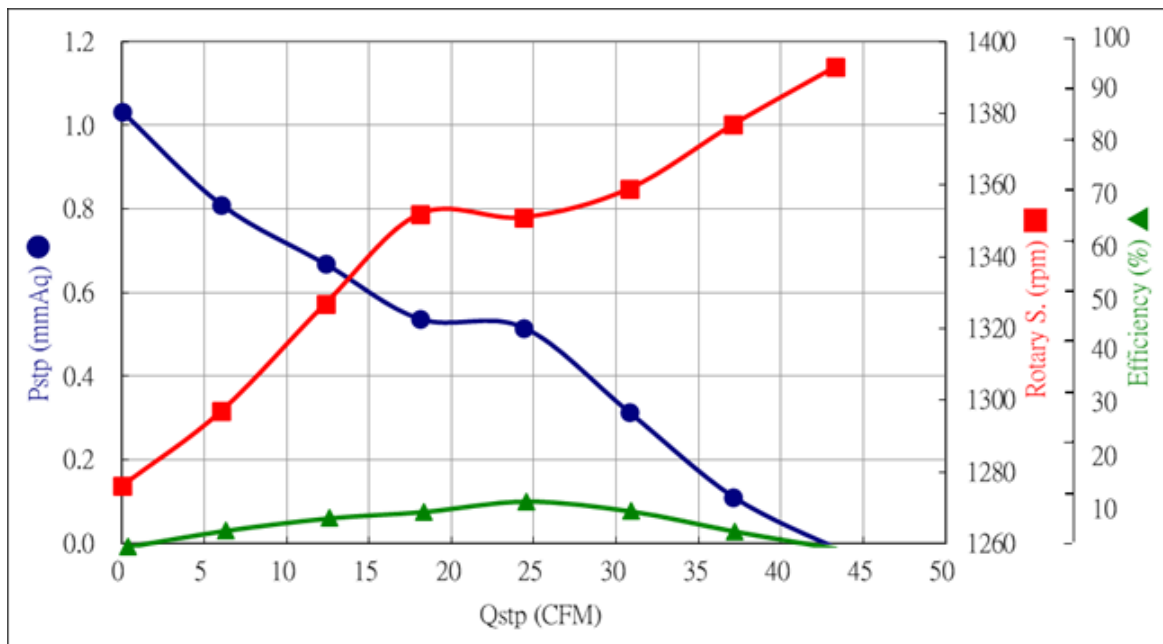
Evaluation Report

Silent Wings 3 120mm PWM

PQ Chart 90% Speed



PQ Chart 100% Speed



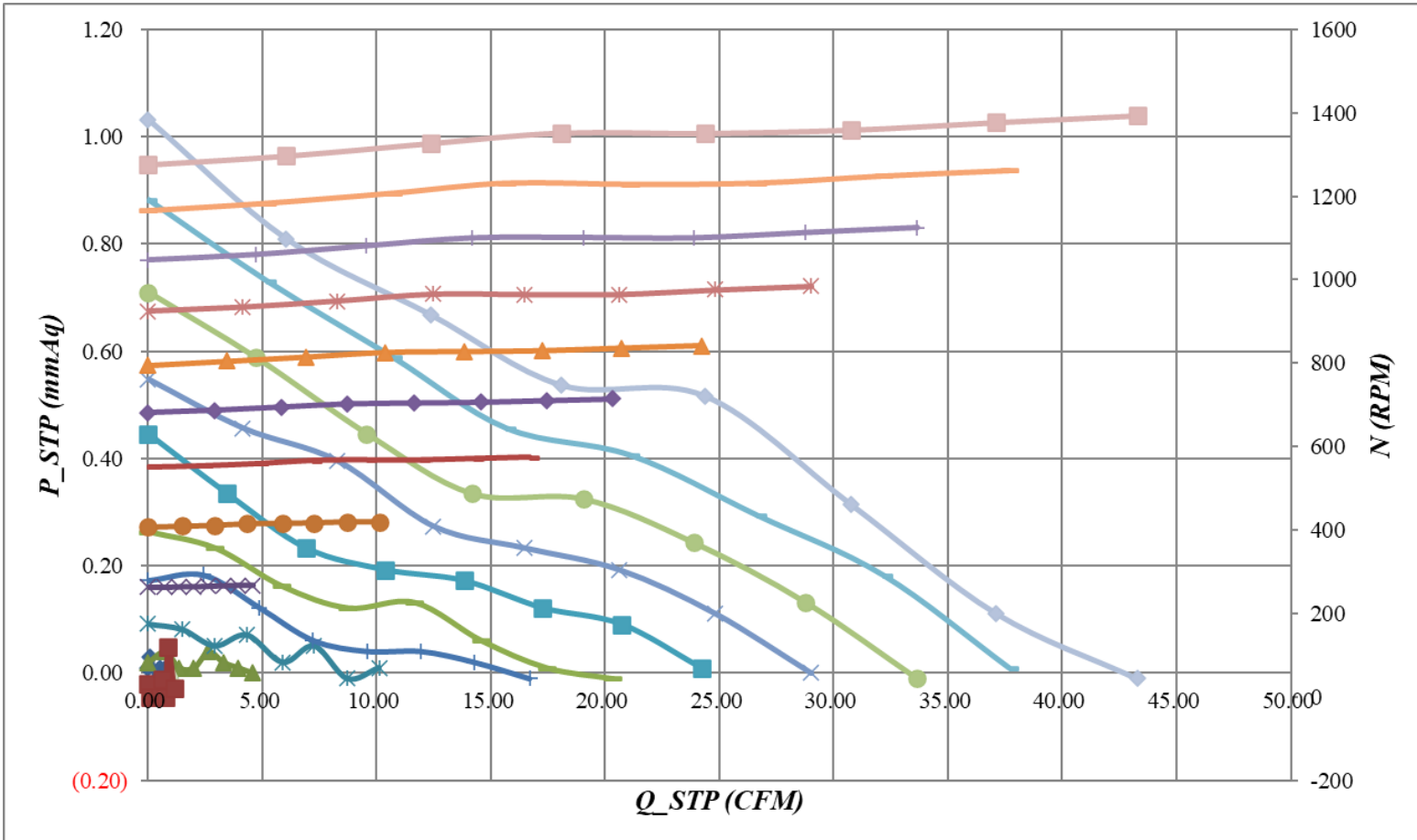
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Silent Wings 3 120mm PWM

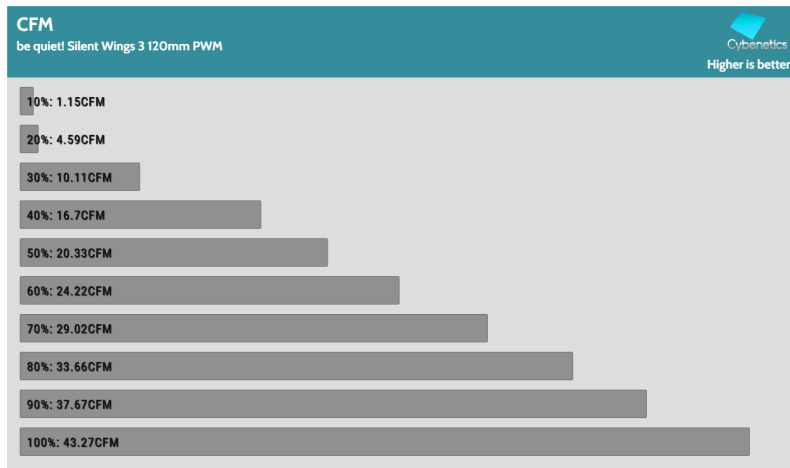
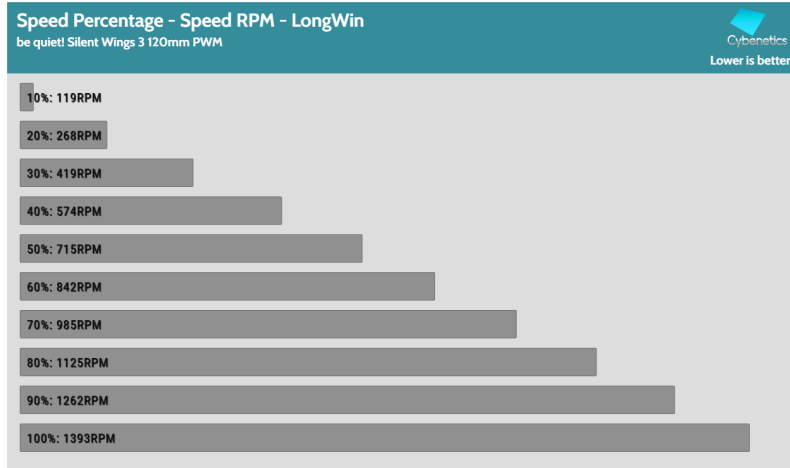
PQ Chart All Speed



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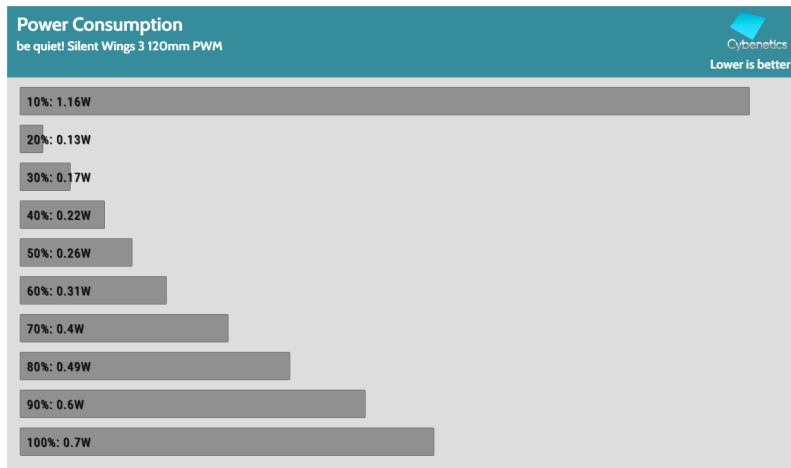
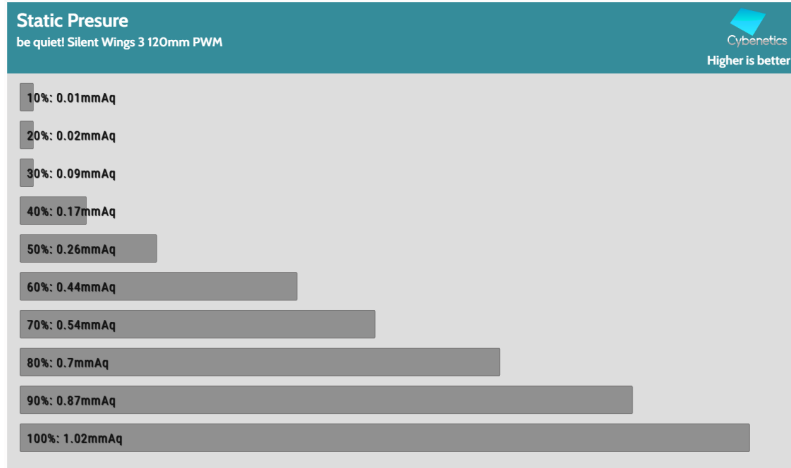


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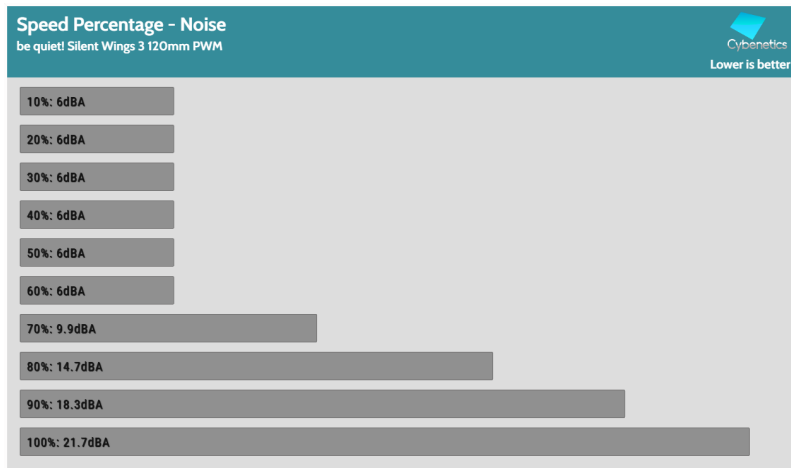


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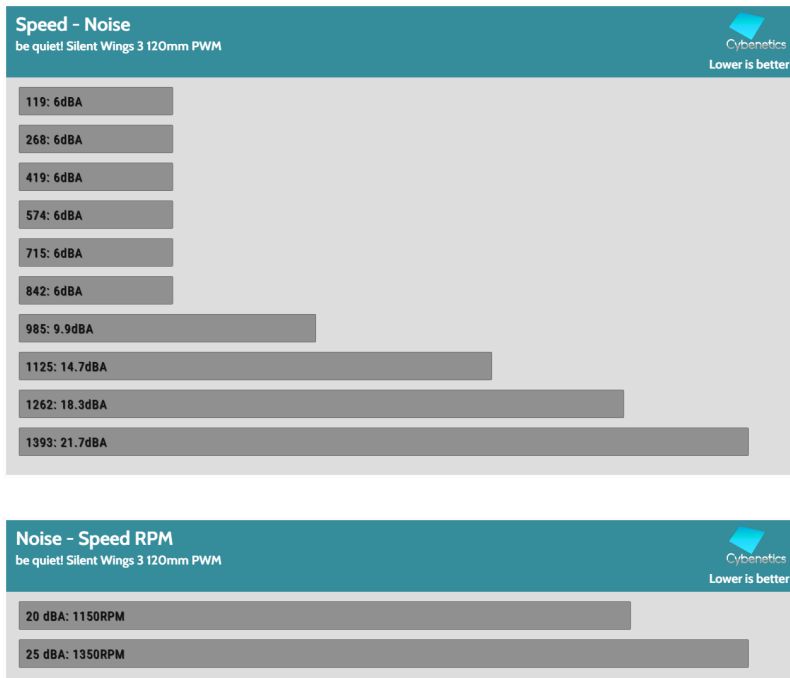


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