

Evaluation Report

Noctua NF-A12x25 PWM High Speed Edition



FAN TESTING INSTRUMENT 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

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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	Noctua
Model	NF-A12x25 PWM High Speed Edition
Max Speed (RPM)	2469
Max Airflow (CFM)	64.64
Max Static Pressure (mmAq)	2.91
Max Fan Noise Level	35.40
Fan Bearing Type	SSO2
Fan Connector	PWM
Fan Max Current (A)	0.18
Fan Weight (gr)	203
Dimensions (W x H x D)	120x120x25
Fan daisy-chain connector	X
Cable length (mm)	145

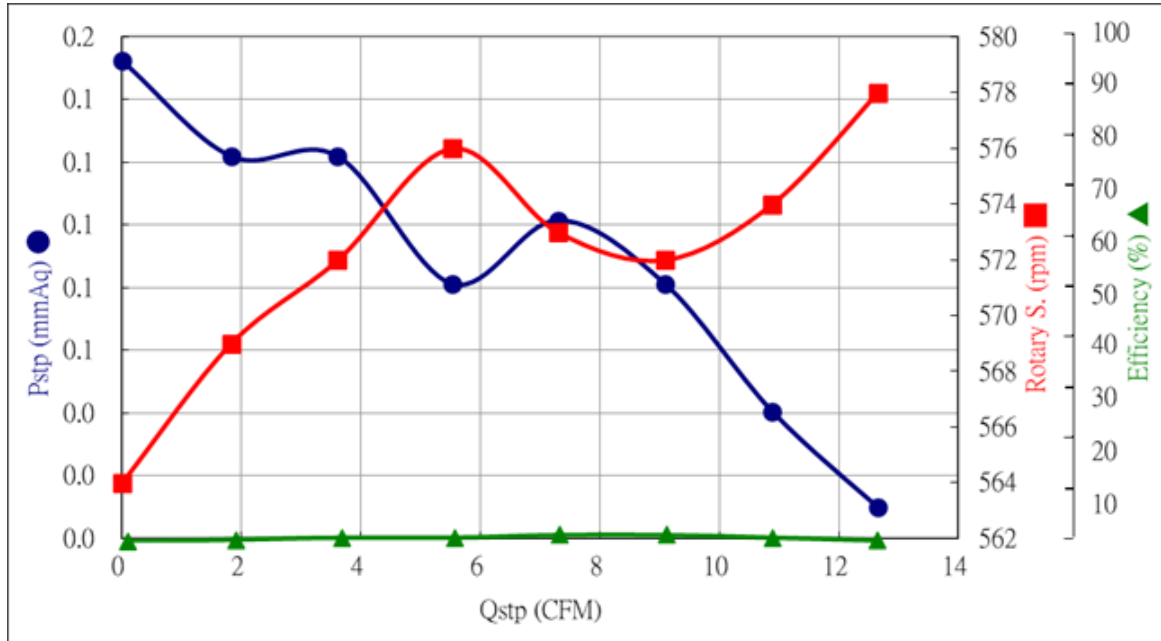
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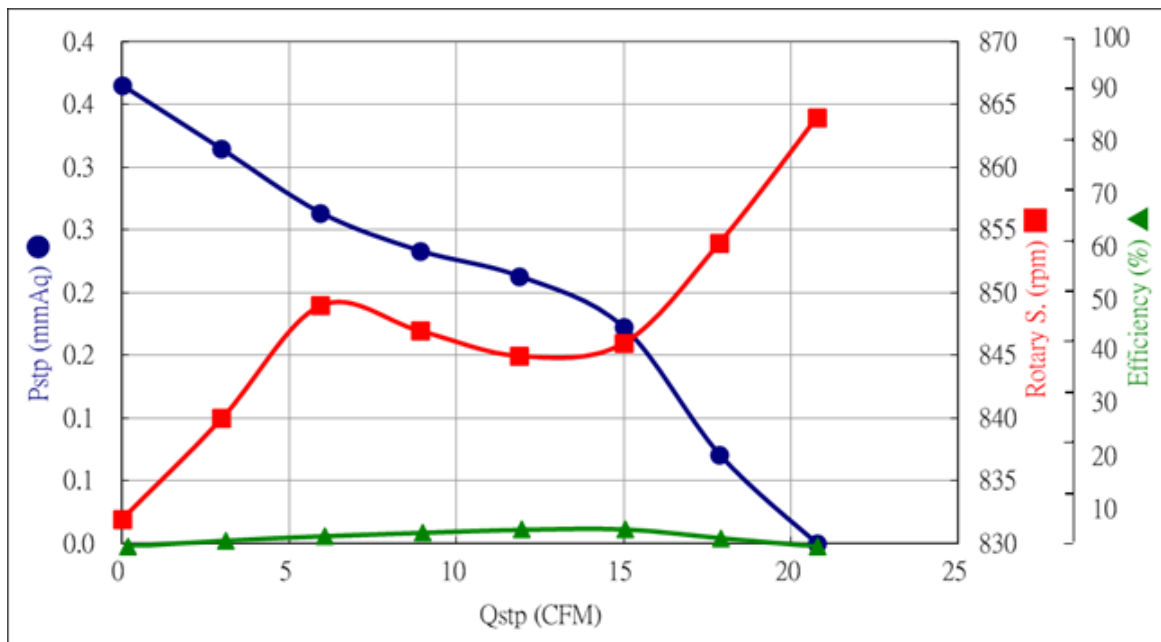
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PQ Chart 20% Speed



PQ Chart 30% Speed



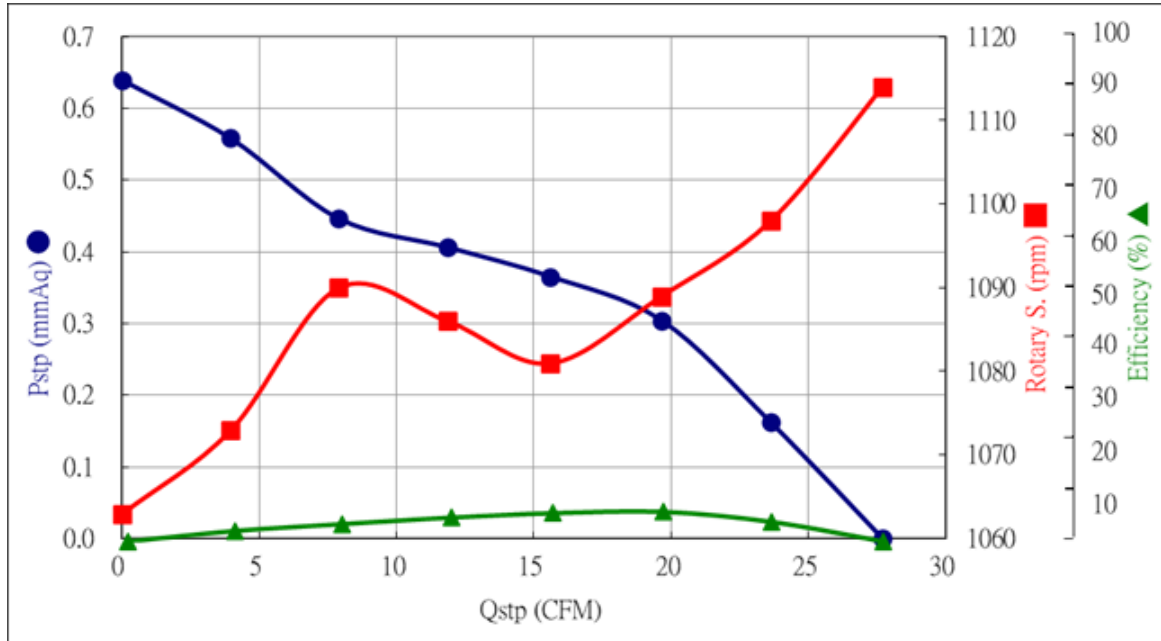
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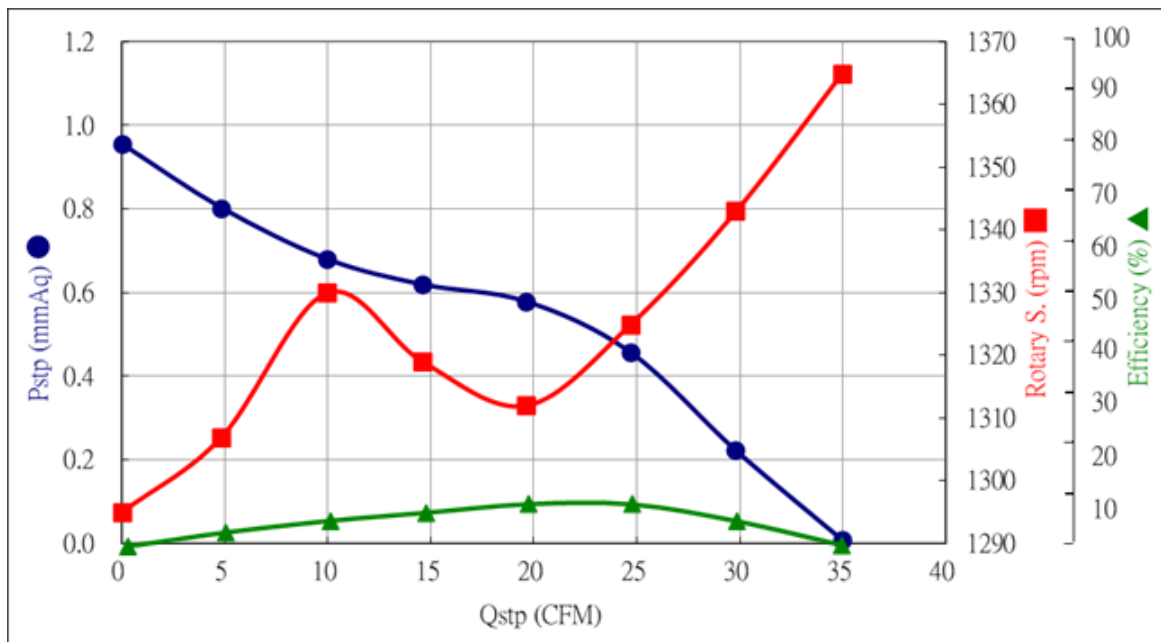
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PQ Chart 40% Speed



PQ Chart 50% Speed



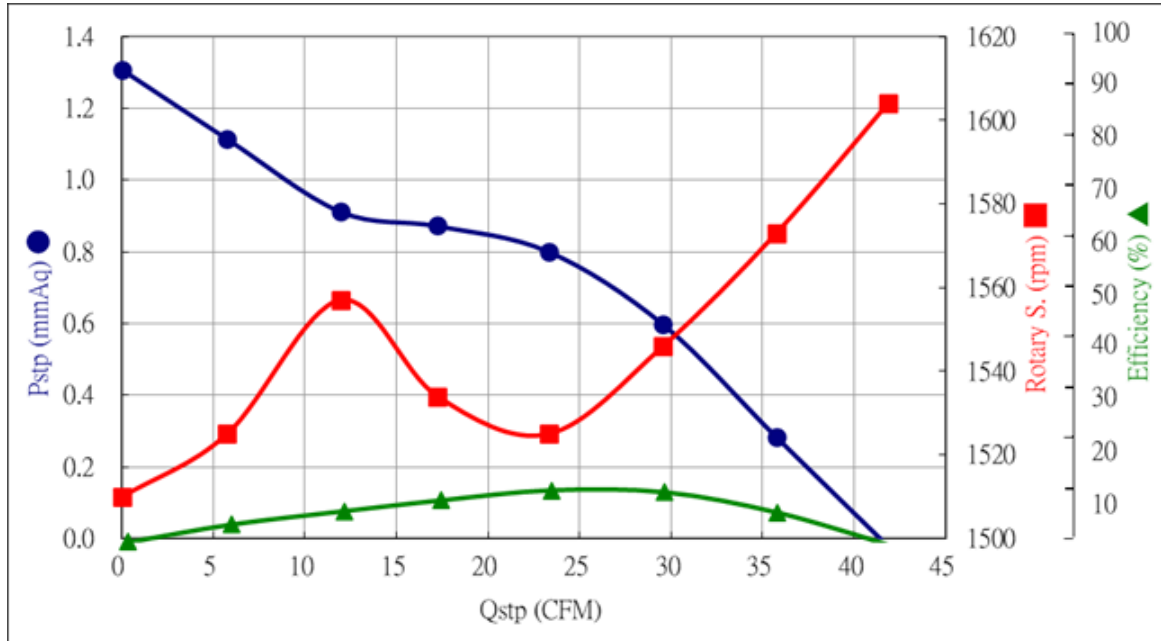
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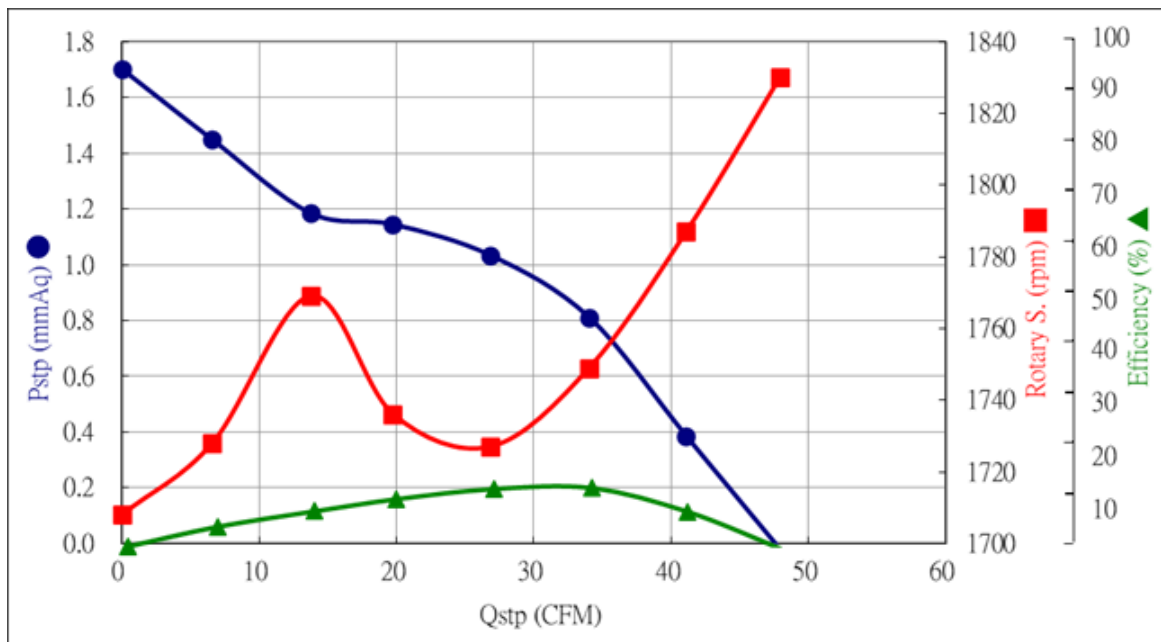
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PQ Chart 60% Speed



PQ Chart 70% Speed



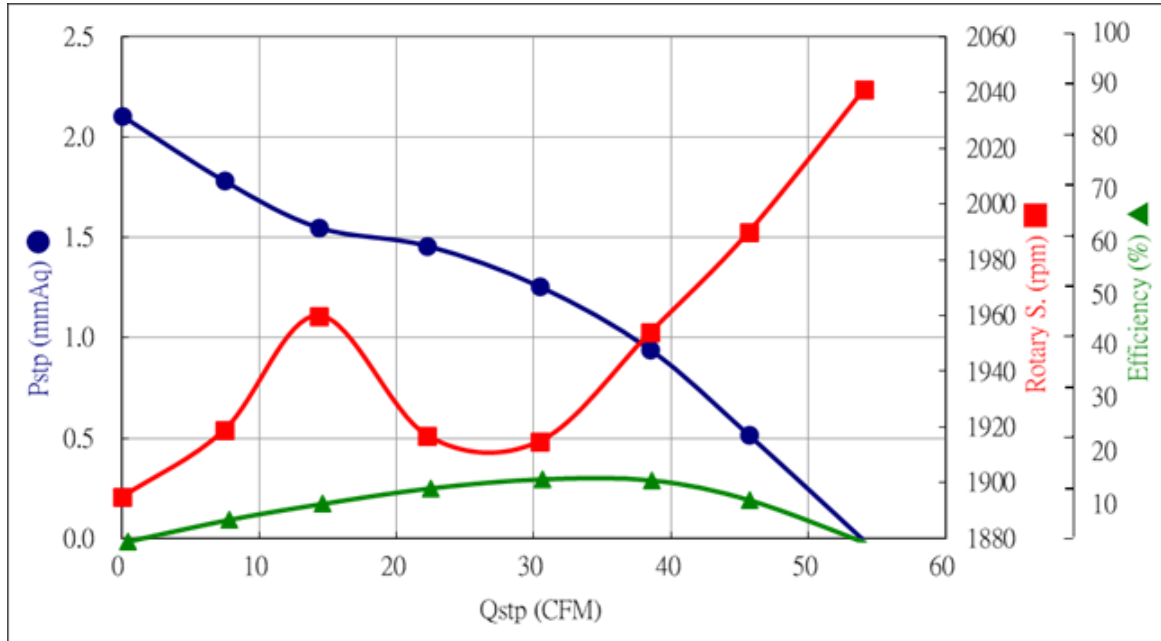
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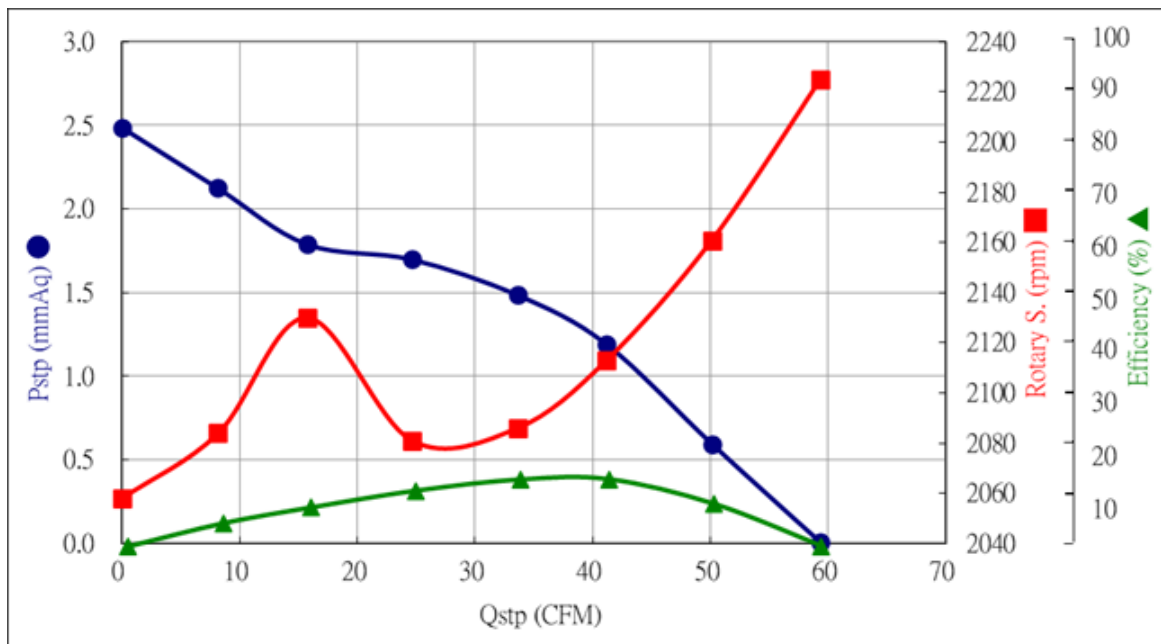
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PQ Chart 80% Speed



PQ Chart 90% Speed



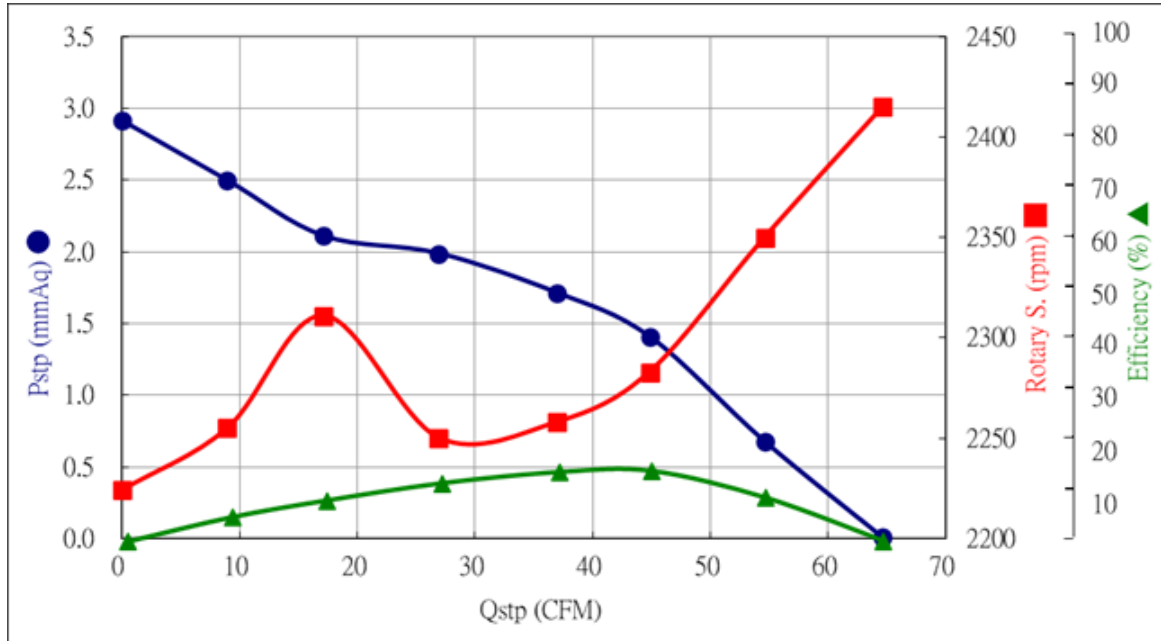
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PQ Chart 100% Speed



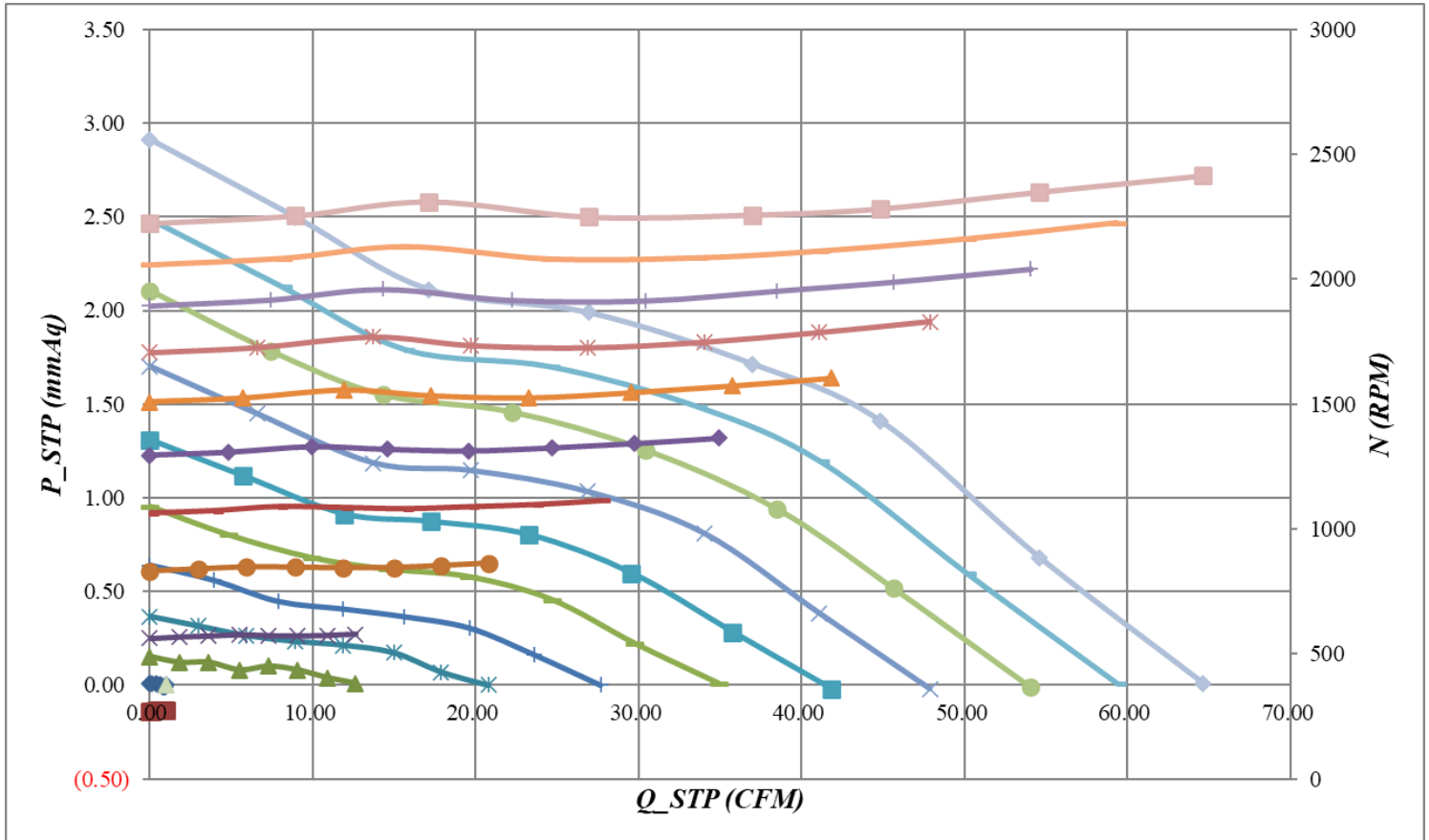
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PQ Chart All Speed

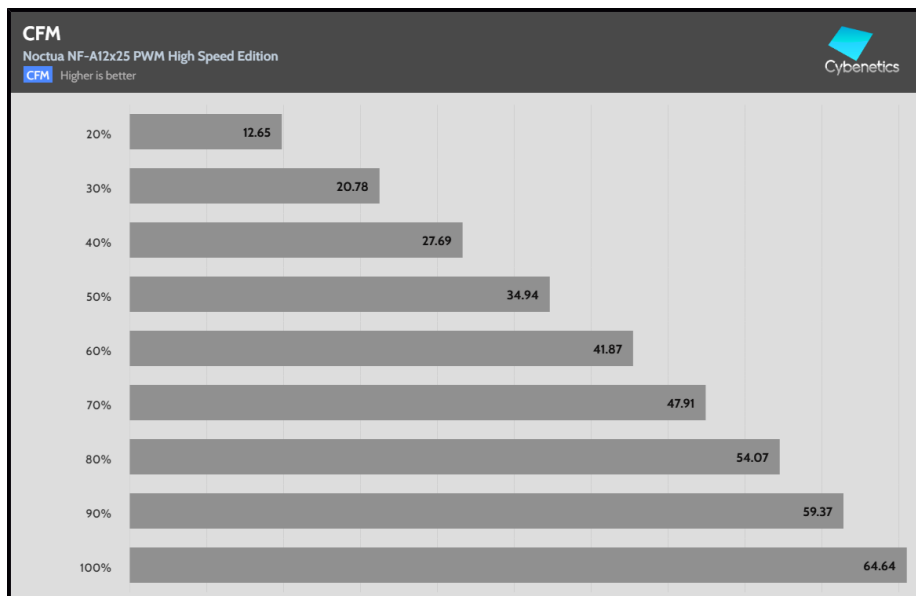
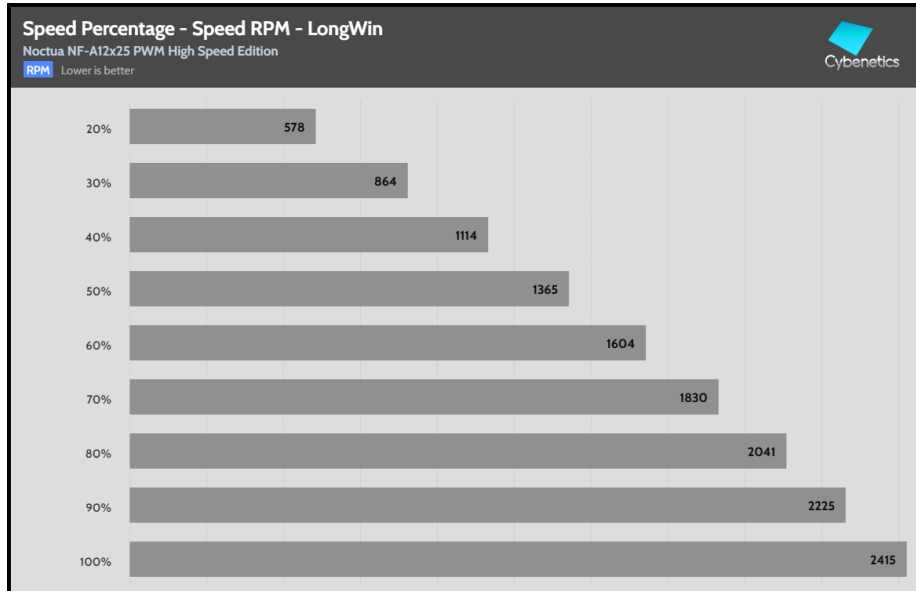


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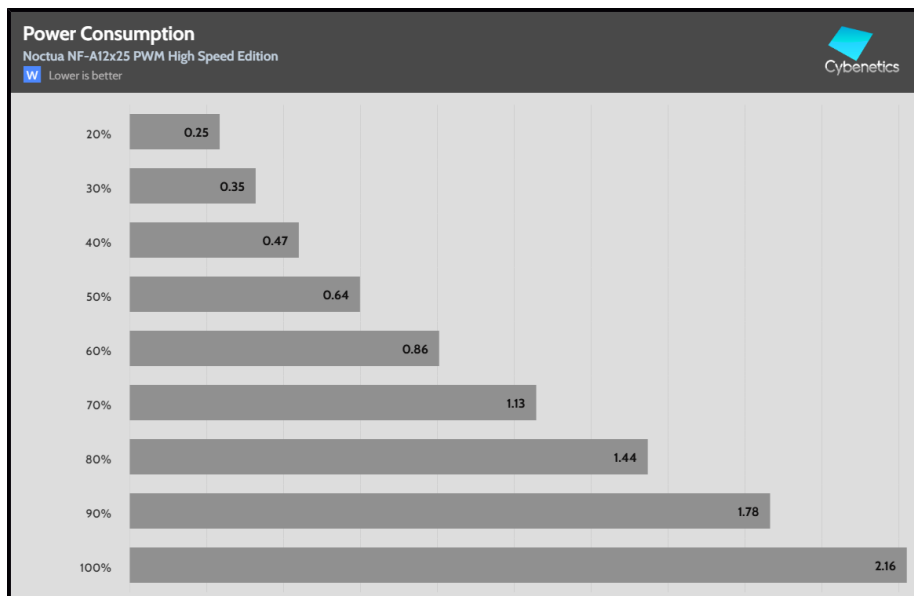
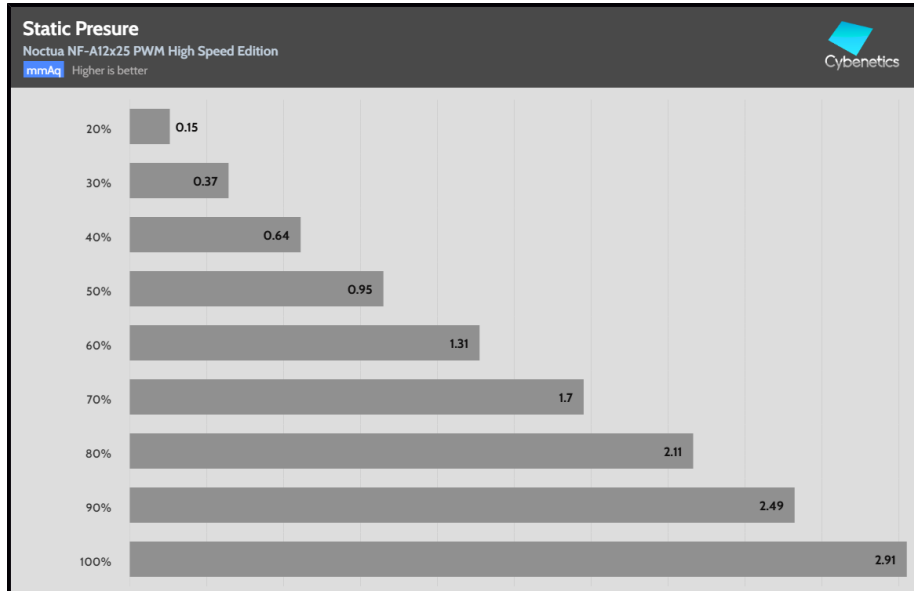


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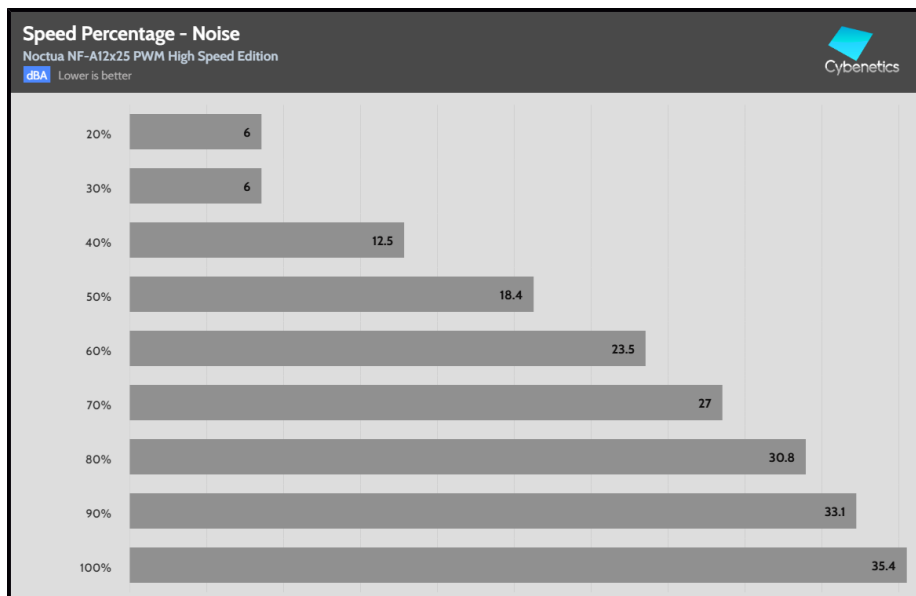
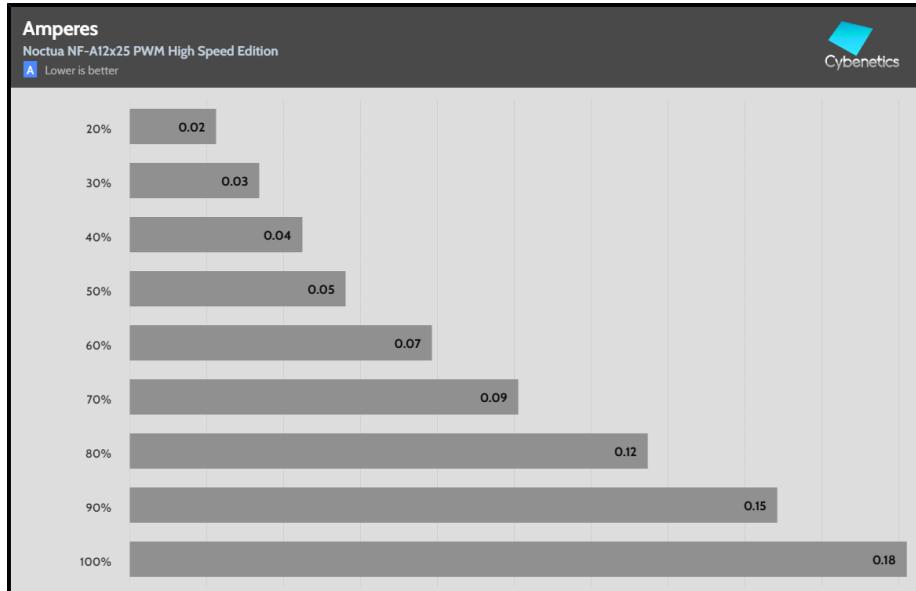


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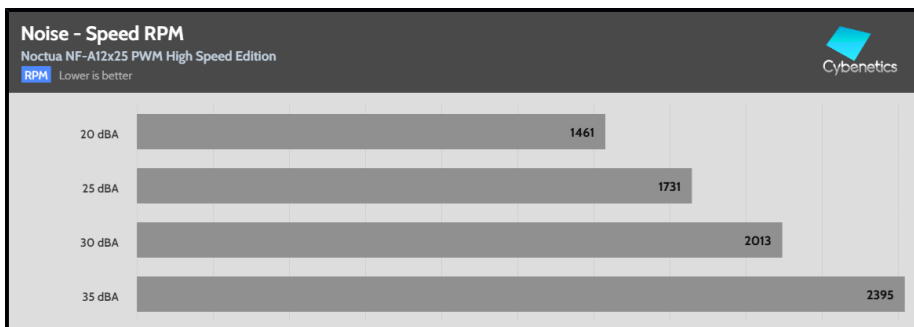
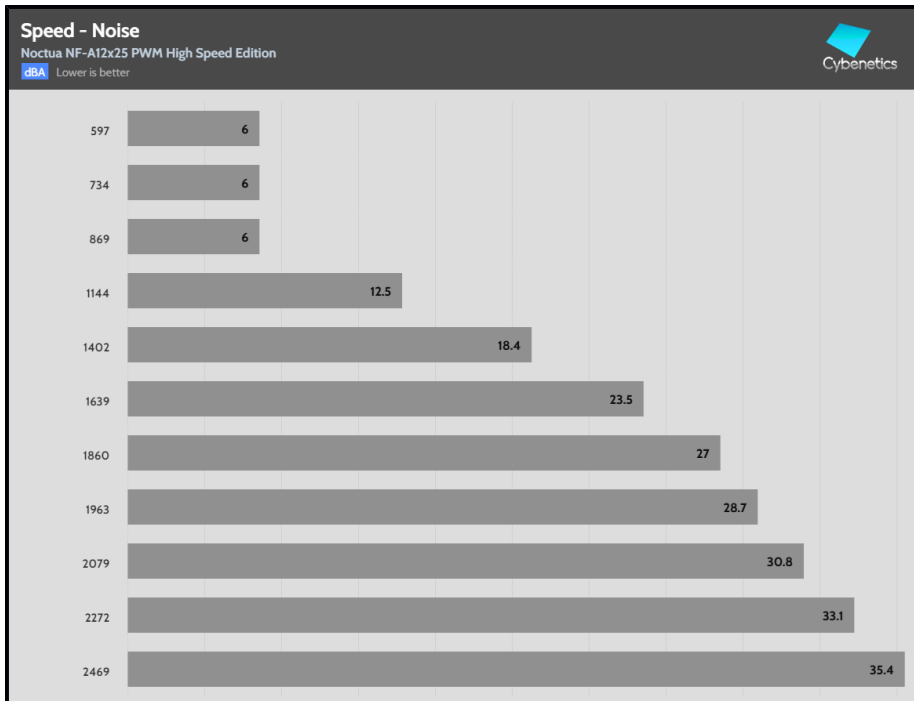


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CERTIFICATIONS



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