



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

T30-120 (Advanced Mode)

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	Phanteks
Model	T30-120 (Advanced Mode)
Max Speed (RPM)	3042
Max Airflow (CFM)	105.68
Max Static Pressure (mmAq)	6.60
Max Fan Noise Level	44.8
Fan Bearing Type	Magnetic Levitation
Fan Connector	PWM
Fan Max Current (A)	0.45
Fan Weight (gr)	231
Dimensions (W x H x D)	120 x 120 x 30
Fan daisy-chain connector	x
Cable length (mm)	0

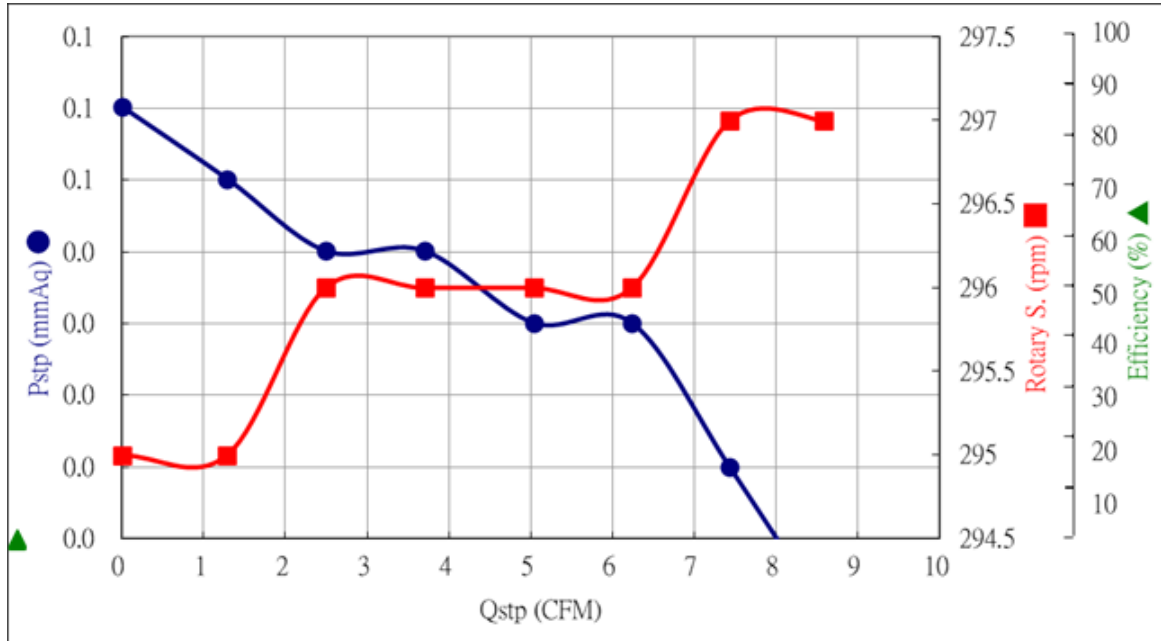
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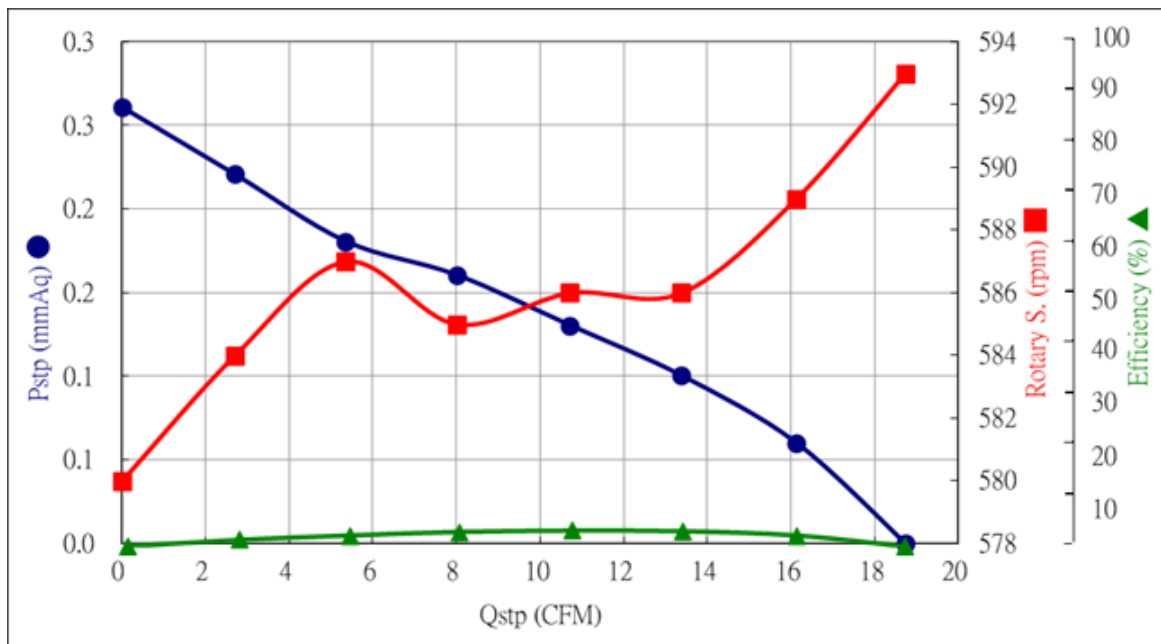
Evaluation Report

T30-120 (Advanced Mode)

PQ Chart 10% Speed



PQ Chart 20% Speed



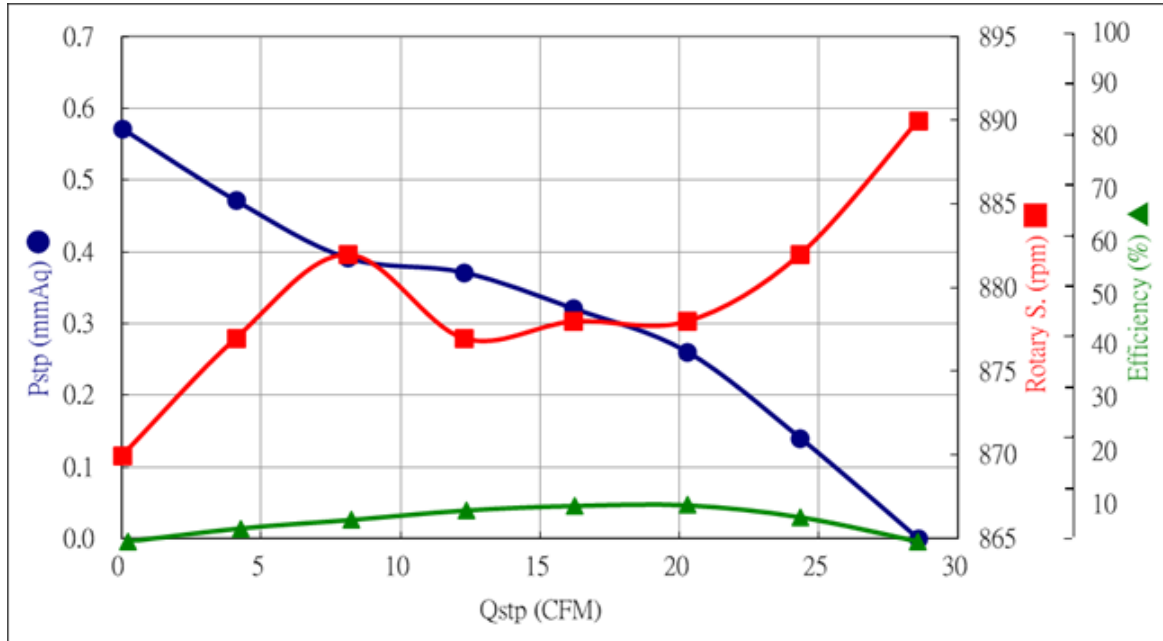
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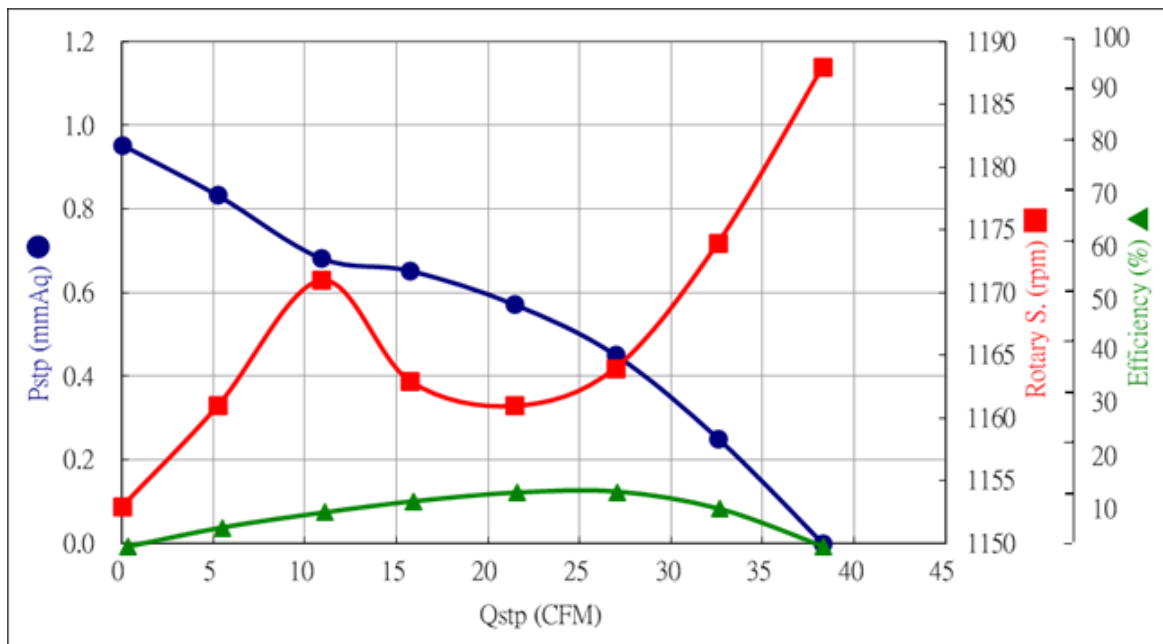
Evaluation Report

T30-120 (Advanced Mode)

PQ Chart 30% Speed



PQ Chart 40% Speed



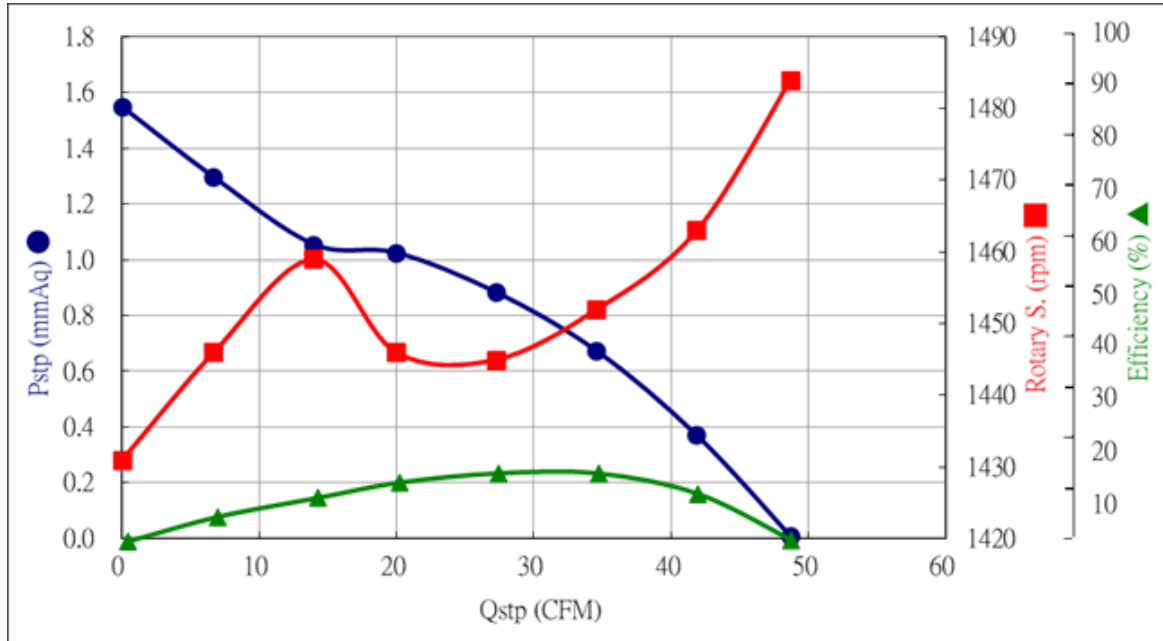
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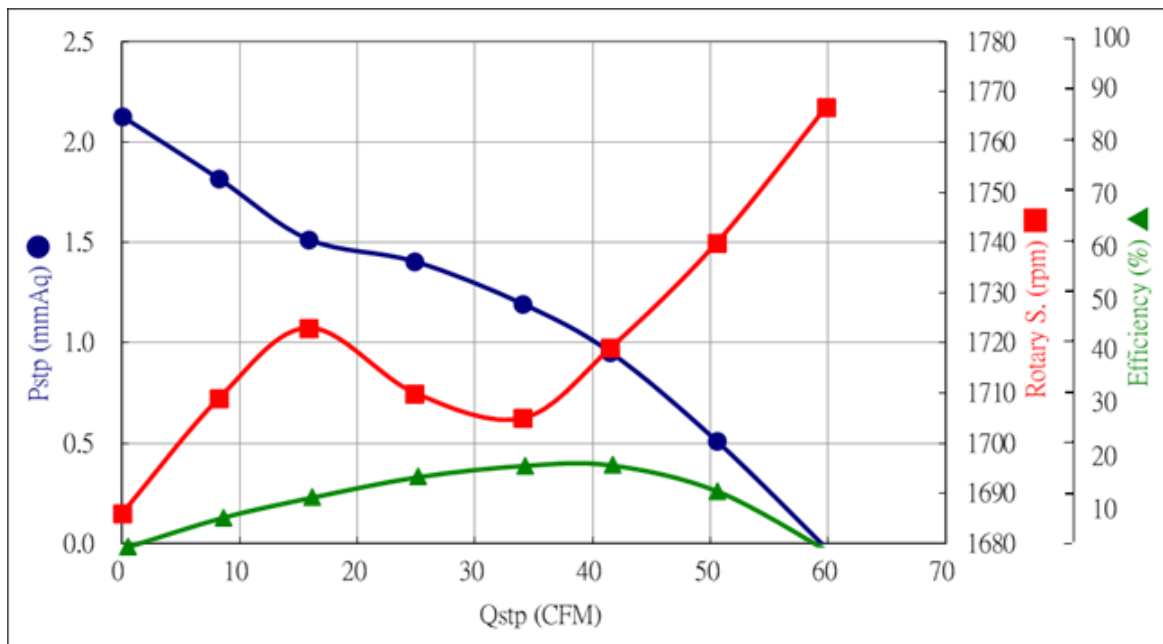
Evaluation Report

T30-120 (Advanced Mode)

PQ Chart 50% Speed



PQ Chart 60% Speed



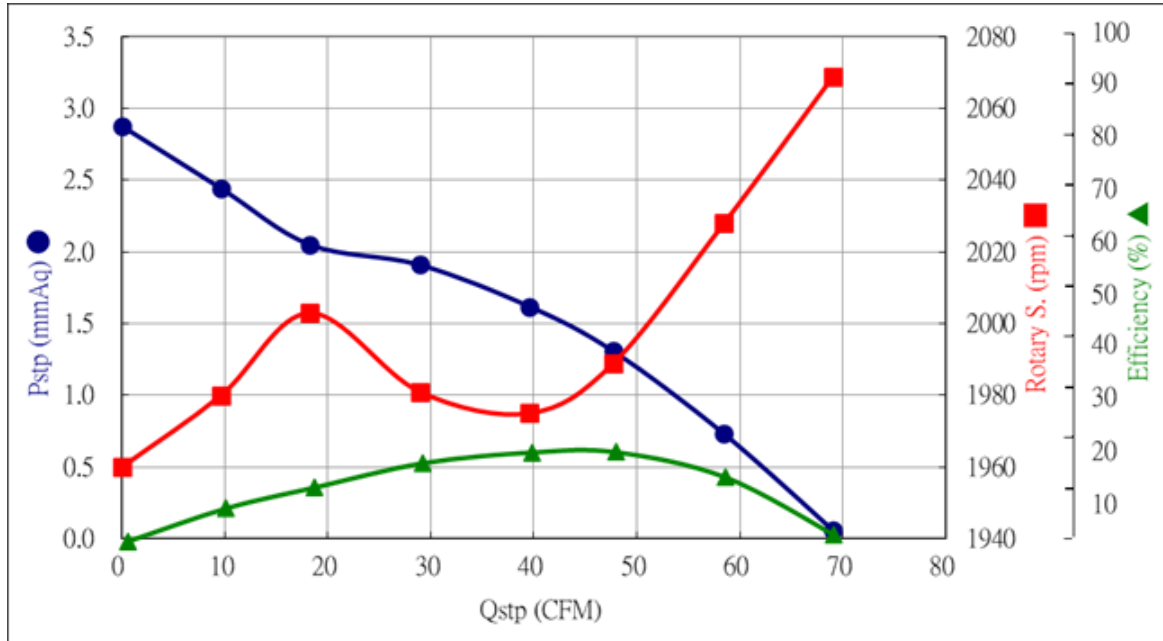
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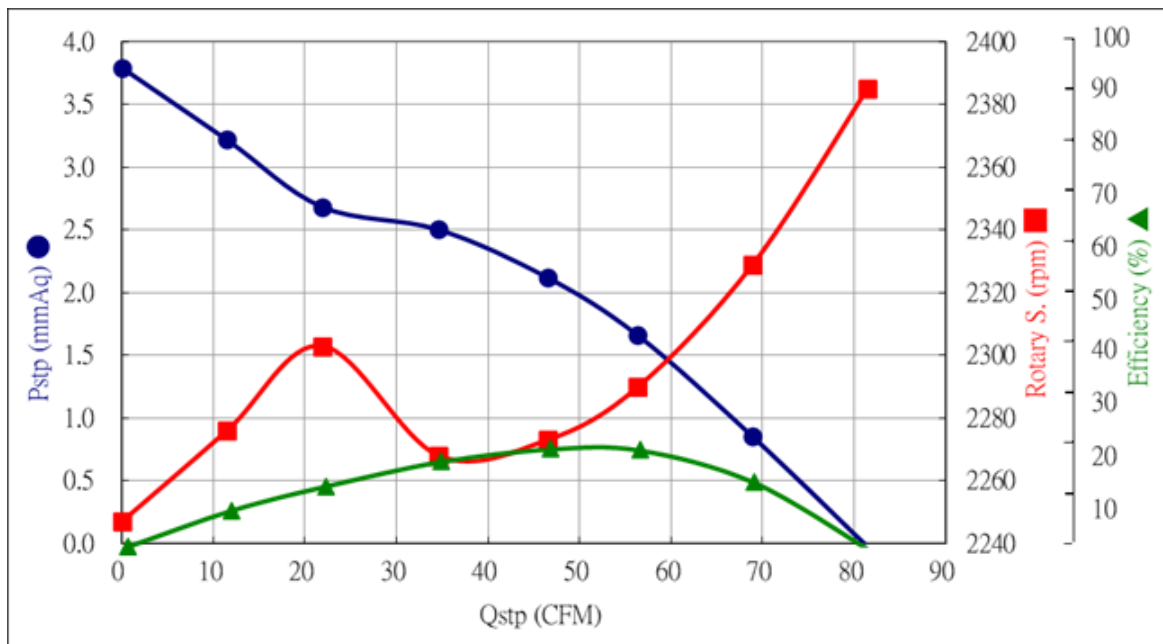
Evaluation Report

T30-120 (Advanced Mode)

PQ Chart 70% Speed



PQ Chart 80% Speed



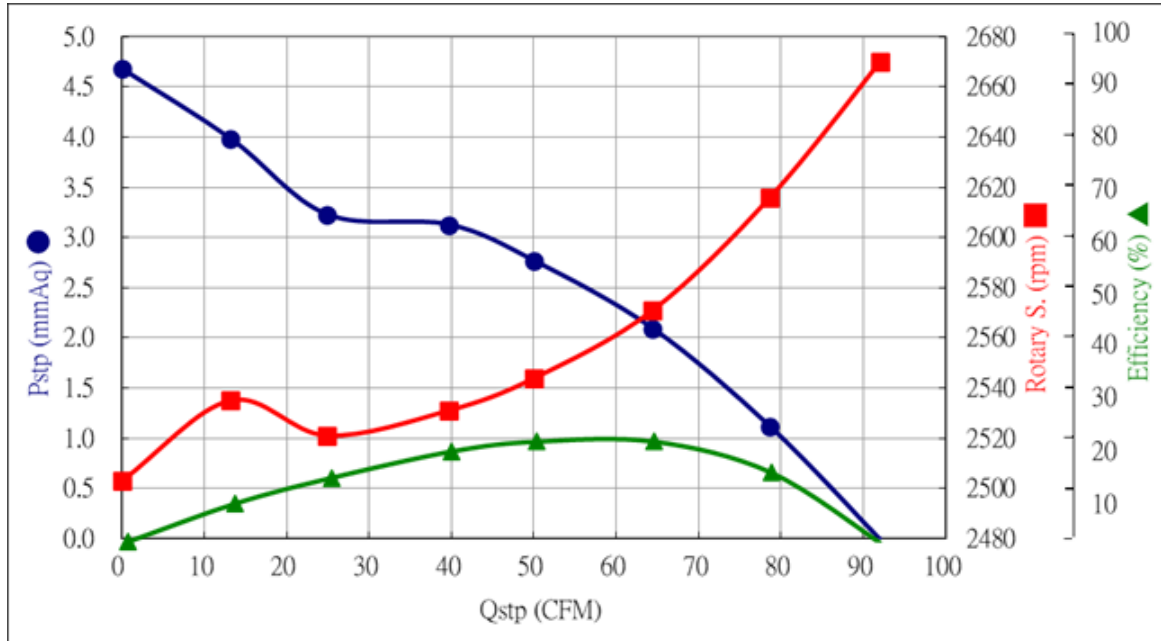
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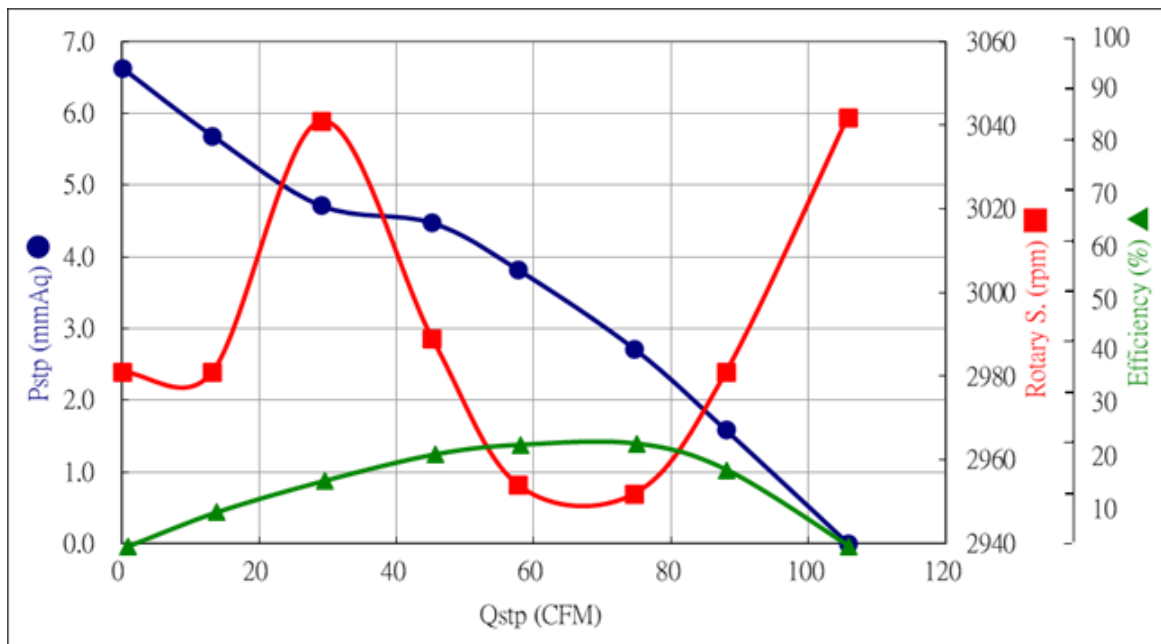
Evaluation Report

T30-120 (Advanced Mode)

PQ Chart 90% Speed



PQ Chart 100% Speed



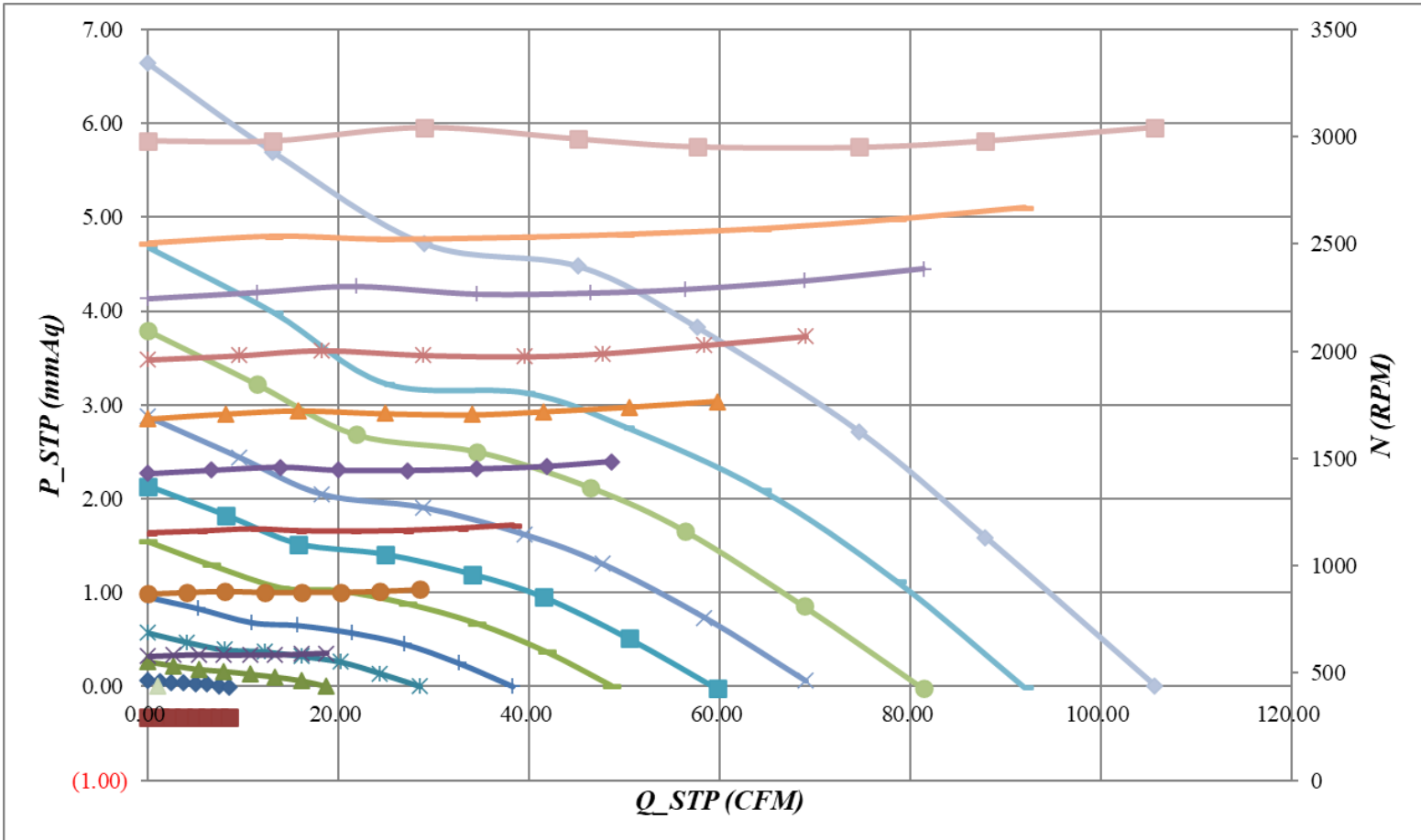
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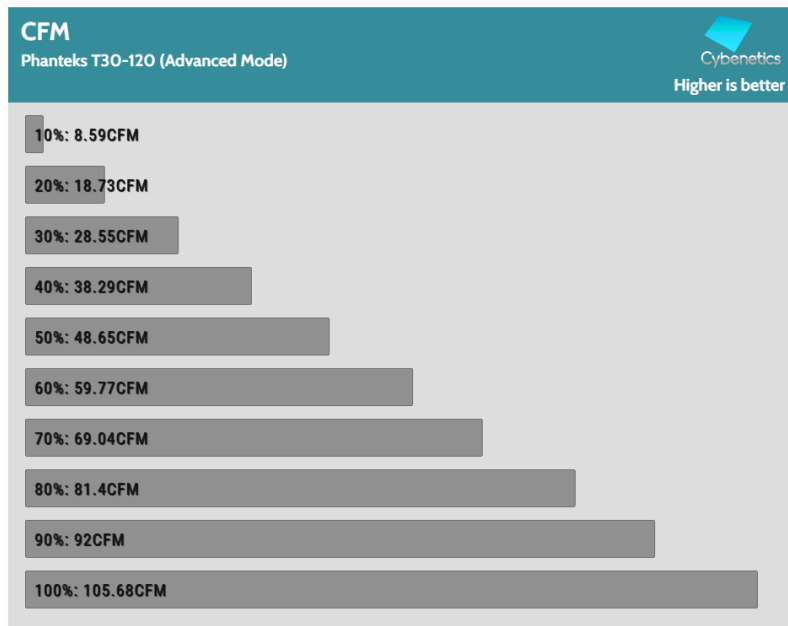
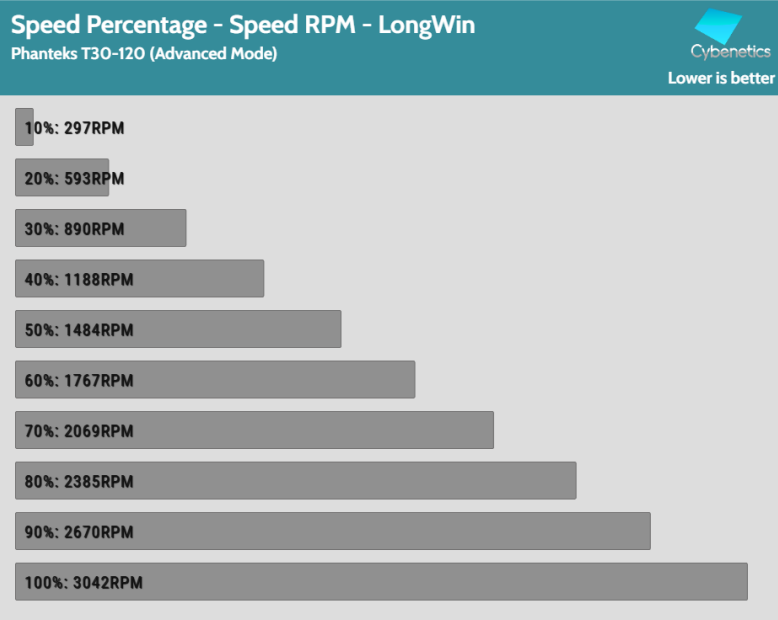
PQ Chart All Speed



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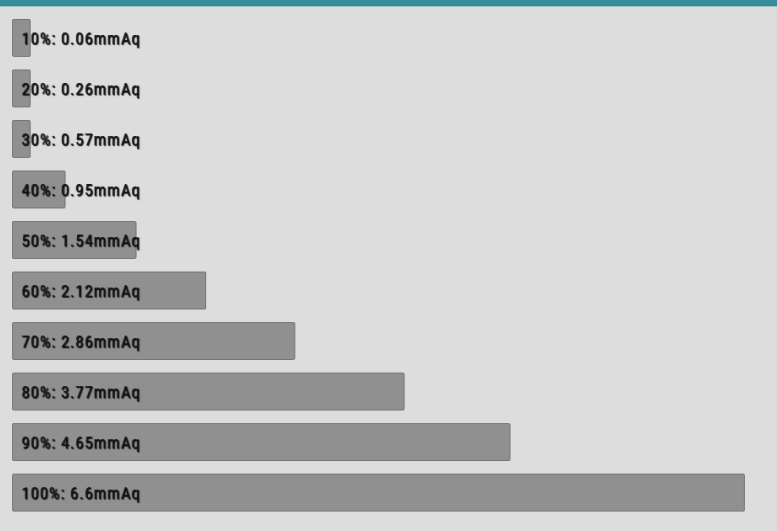
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Static Pressure

Phanteks T30-120 (Advanced Mode)



Cybenetics
Higher is better



Power Consumption

Phanteks T30-120 (Advanced Mode)



Cybenetics
Lower is better

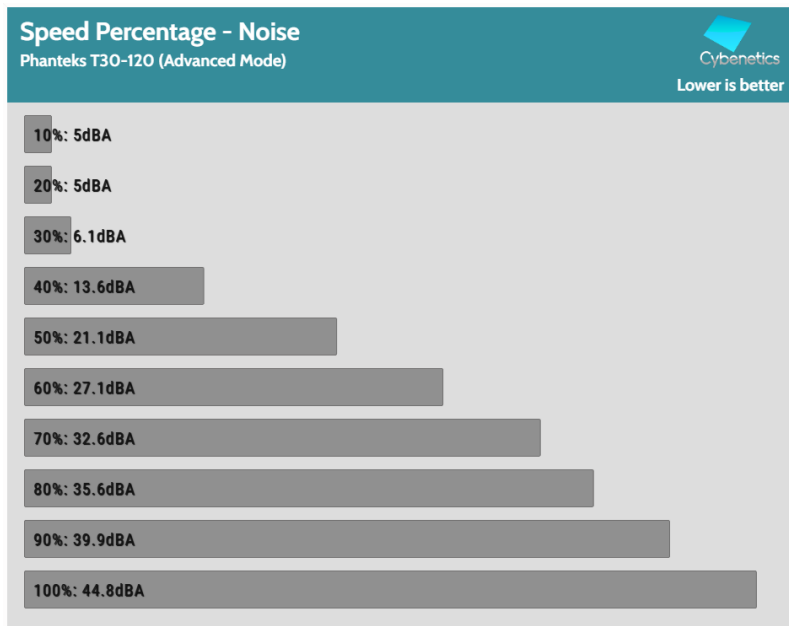
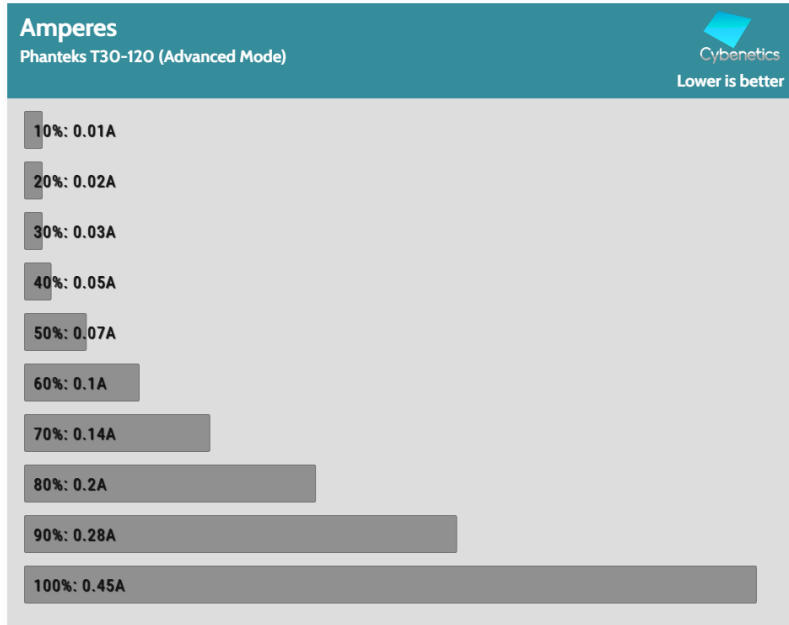


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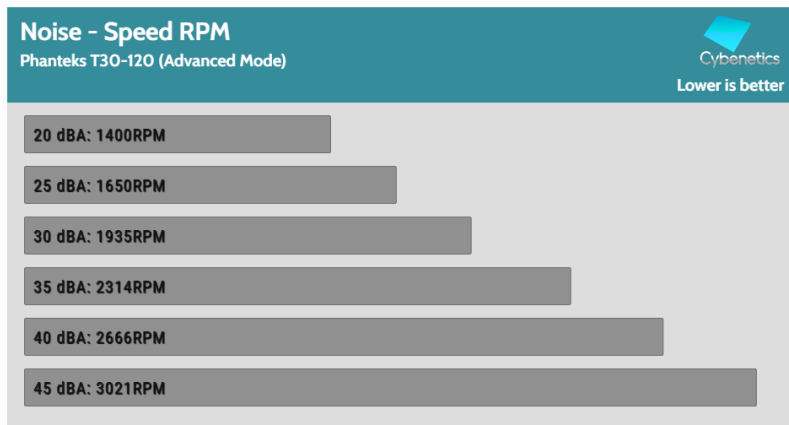
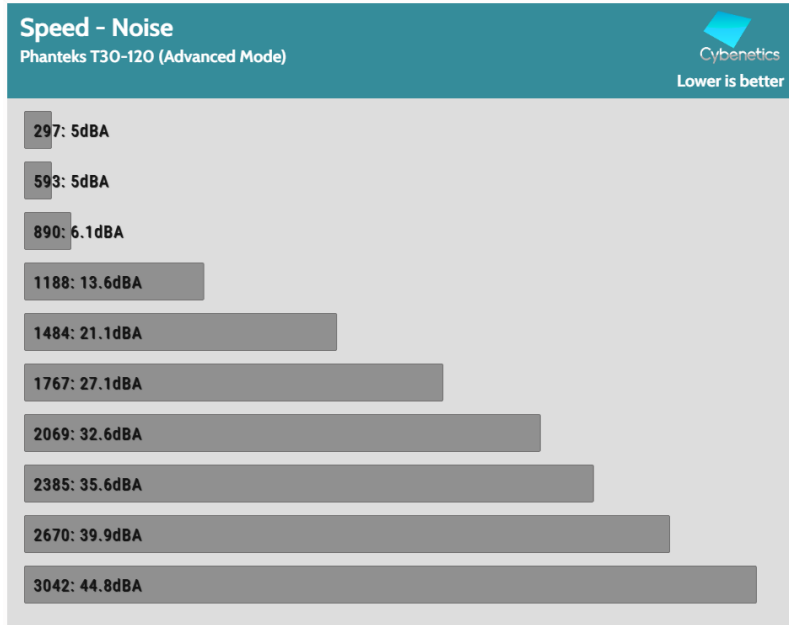


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