



Model Number

Q11P

4U Active Cooler

PRODUCT SPECIFICATIONS

AUG 21, 2024



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Document History List

Rev 0.0, AUG.21, 2024: Initial release

Q11P | Socket LGA1700

Model Number: Q11P

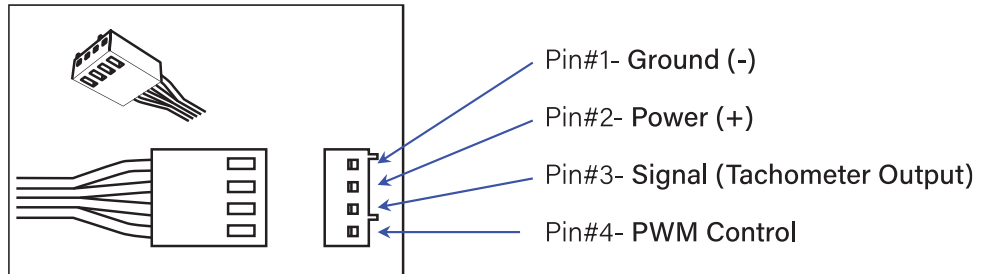
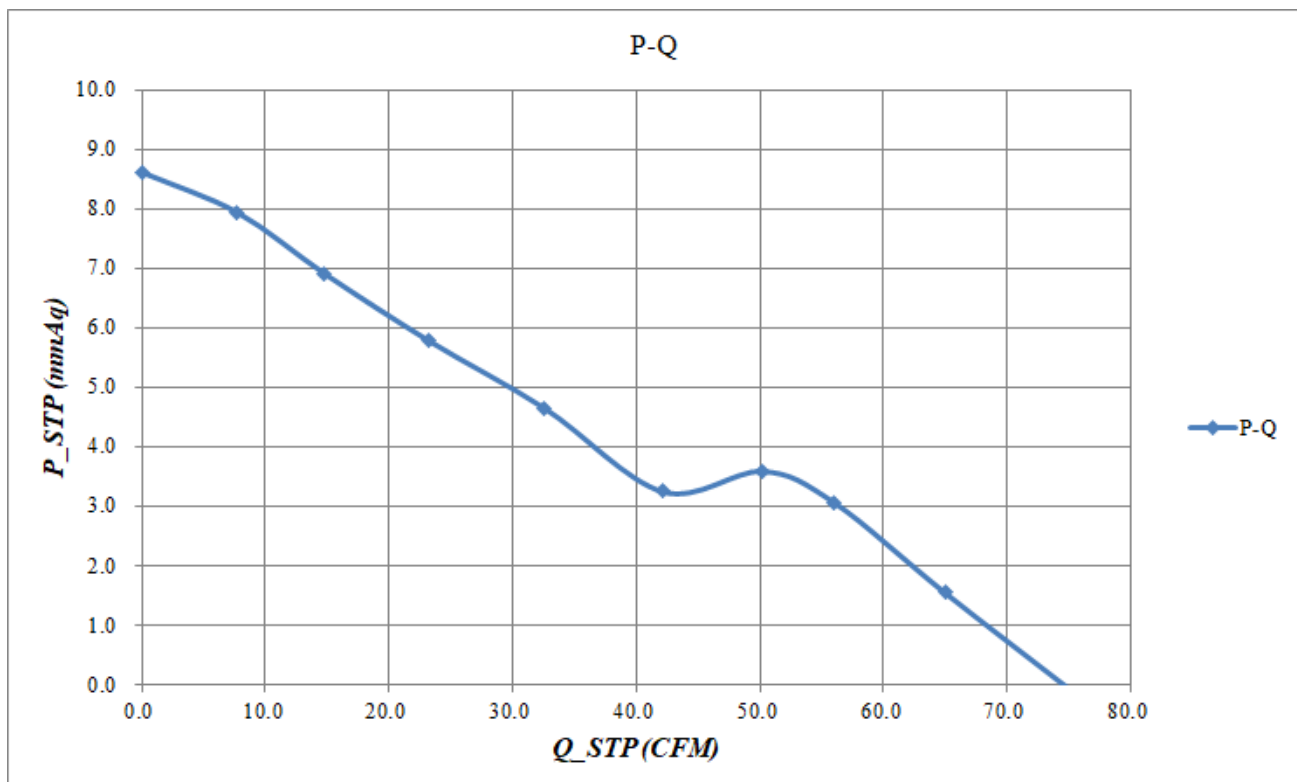
- Recommend for Intel® CPU as following
 - Intel Core 12th -15th Gen, Socket FCLGA1851/1700
- Active Cooler for 4U Server & Up

Overall Specification

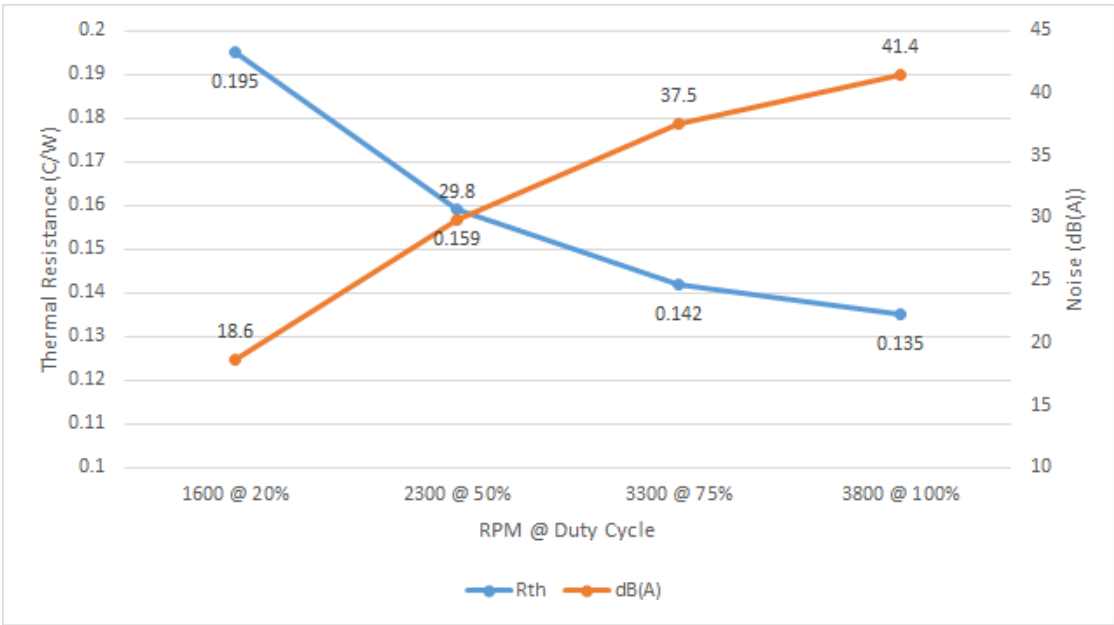
Dimension (LWH)	95 x 95 x 130 mm
Weight	710 g
Material	Heatpipes with Aluminum Base and Aluminum Fin Stack
Fan	103 x 30 Side-blow fan with PWM Function
Mounting Method	Intel LGA1700 standard Mounting with Screw Sets
Backing Plate	Included
Thermal Grease	SHIT-ETSU X23-8079-2 pre-printed
TDP	Support CPU Power 195 Watts @ 30C Ambient, 253 Watts @ 25C Ambient

Cooling Fan Specification

Model Number	DF10330BU - PWM
Dimension	103 x 103 x 30 mm
Bearing	Double Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 1600± 200 RPM At Duty Cycle 50%: 2300± 10% RPM At Duty Cycle 100%: 3800±10% RPM
Input Power	At Duty Cycle 0~20%: 0.10W At Duty Cycle 50%: 0.59W At Duty Cycle 100%: 4.15W
Maximum Airflow	At Duty Cycle 0~20%: 34.59 CFM At Duty Cycle 50%: 53.64 CFM At Duty Cycle 100%: 67.86 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 1.66 mm-H2O At Duty Cycle 50%: 3.20 mm-H2O At Duty Cycle 100%: 8.61 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 18.6 dBA At Duty Cycle 50%: 29.8 dBA At Duty Cycle 100%: 41.4 dBA
Lead Wire Pin Out	Pin#1- Black (-) Pin#2- Black (+) Pin#3- Black (Tachometer/ Signal Output) Pin#4- Black (PWM Control)

Q11P | Socket LGA1700**Lead Wire Pin Out Diagram :****Cooling Fan P-Q Curve at max RPM**

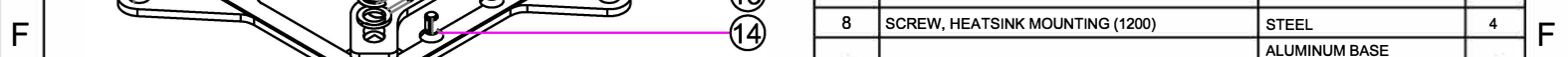
Performance Chart: Active Cooler Q11P Thermal Resistance vs. Fan Speed (Duty Cycle and RPM)



AASSEMBLY PARTS

WHOLE SET OF HEATSINK

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15	THERMAL GREASE, PRE-PRINT, 38*38* THK 0.2 mm	SHIN-ETSU 7762	1
14	SCREW, HEATSINK RETENTION MOUNTING (1920)	STEEL	4
13	BACKPLATE, FOR SOCKET LGA1700	SPCC	1
12	C-CLIP	STEEL	4
11	RETENTION, FOR INTEL SOCKET LGA1700	SK7	2
10	SPRING (0960)	SUS304	4
9	WASHER	STEEL	8
8	SCREW, HEATSINK MOUNTING (1200)	STEEL	4
7	HEATSINK, STACKED FIN	ALUMINUM BASE ALUMINUM FINS (6x) HEATPIPE	1
6	STUD, TOP COVER MOUNTING, M3*0.5 THREADED	ALUMINUM	2
5	COOLING FAN, 103mm x 103mm x 30mm-3800 RPM	PBT	1
4	ANTI-VIBRATION BOOT	RUBBER PLASTIC	4
3	TOP COVER, THK 1.0 mm, BLACK NICKEL PLATED	SPCC	1
2	SCREW, COOLING FAN MOUNTING Ø3.5 mm SELF-TAPPING THREADS	STEEL	2
1	SCREW, COVER MOUNTING, M3*0.5 x 9 mm L	STEEL	2
ITEM#	DESCRIPTION	MATERIAL	QTY.

	NAME	DATE
DRAWN BY	engr	12/06/2022
CHECKED BY	LANG	12/06/2022
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MFG.APPROVED	-	-



TOP MOTOR

DYNATRON CORPORATION

TITLE: 4U Active Cooler Model
Q11P
for Intel Socket LGA1700
Overall Dimension Drawing

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CONFIDENTIAL DOCUMENT

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REV#	DESCRIPTION	CHECKER	DATE
0.0	Initial Release	LANG	12/06/2022

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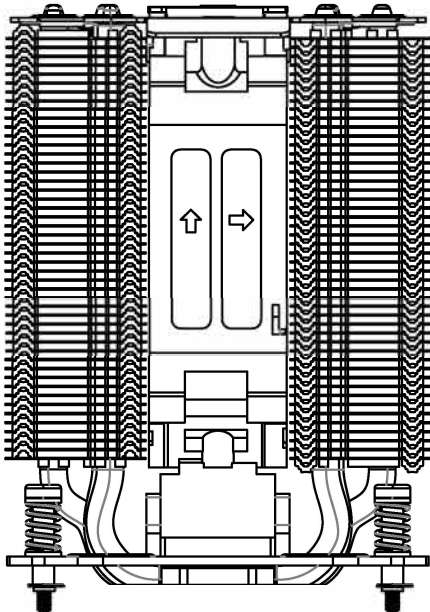
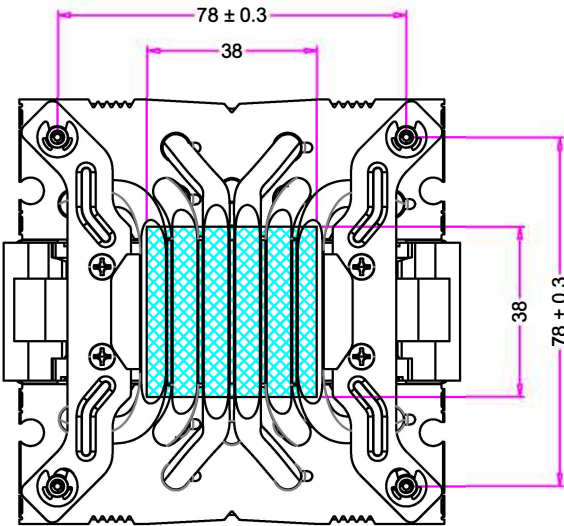
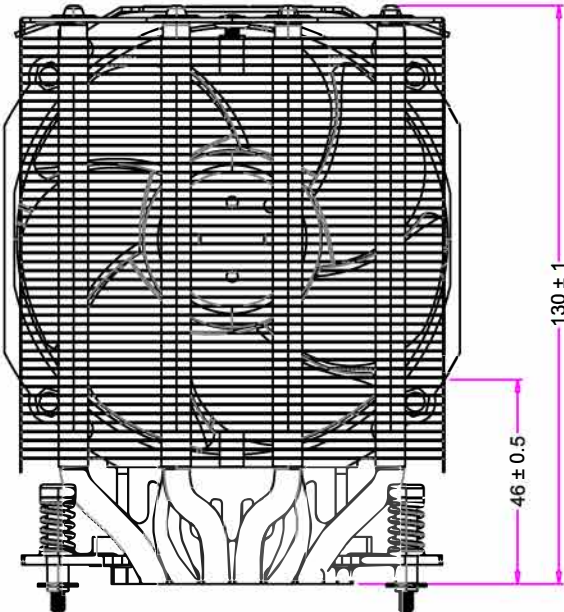
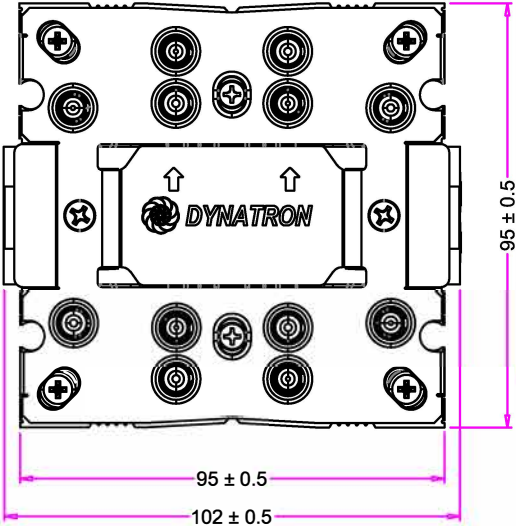
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Q11P
Overall Dimension Drawing

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