DYNATRON

Q6

3U Active Air Cooler

PRODUCT SPECIFICATIONS

Model Number: Q6

- Recommended for Intel® Processors As Following
  - Support Intel Core 12th -15th Gen, Socket LGA1700/1851
- Active Cooler for Workstation, 3U Server & Up

Overall Specification

Dimension	91.0 x 91.0 x 110.0 mm (L x W x H)
Weight	539 ± 5 g
Material	Aluminum Fin + (4x) Heat Pipes with HCC enhancement
Heat Pipes	Smart Heat Pipes Orientation where Against Gravity
Fan	92 CM Plastic Fan with 4-Pin PWM Connector
Fan Mounting	Pre-installed solid PC Frame Clip for Cooling Fan mounting
Mounting Method	Easy Cooler Installation with Captive Mounting Screws
Backing Plate	Included
Thermal Grease	Shin-Etsu 7762 or Equivalent Thermal Compound Pre-Printed
TDP	Up to 195 Watts at 30°C ambient temperature

Cooling Fan Specification

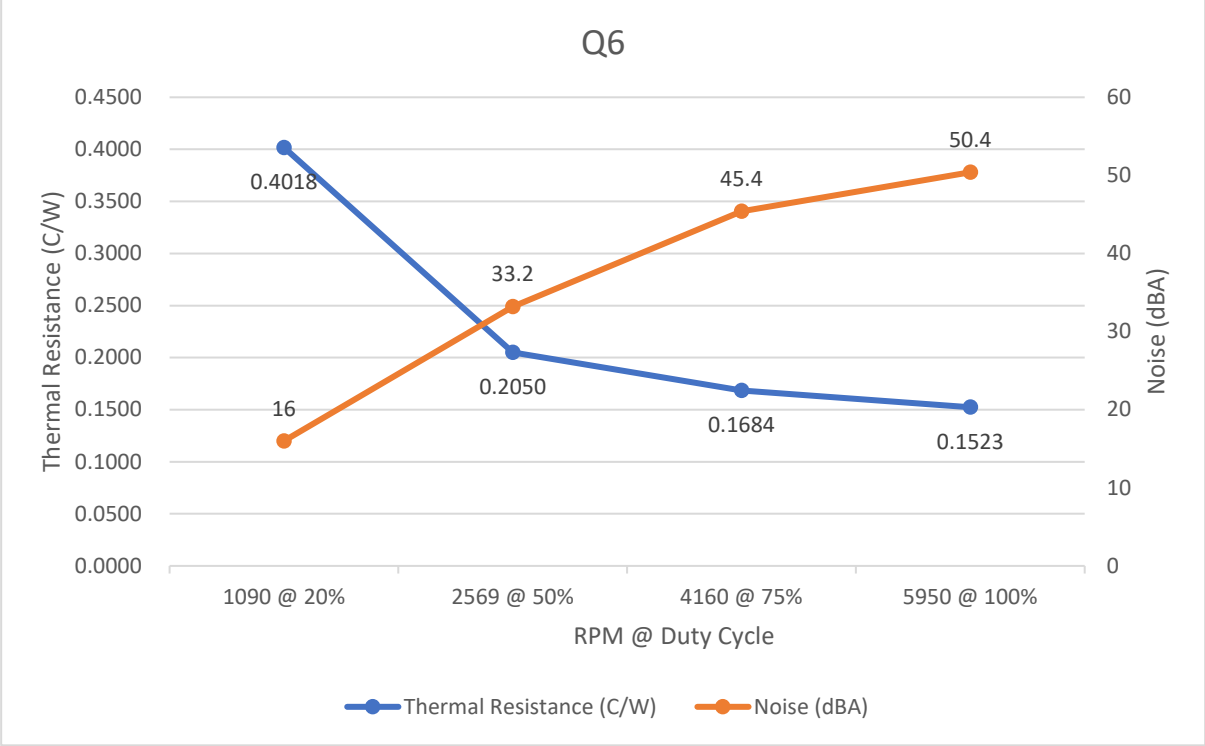
Model Number	DF129225BU-PWMG
Dimension	Ø92 x 25 mm
Bearing	Double Ball
Rated Voltage	12V
Rated Speed (Max.)	At Duty Cycle 0~20%: 1200± 200 RPM At Duty Cycle 50%: 2850±10% RPM At Duty Cycle 100%: 6000 ±10% RPM
Input Power(Max.)	At Duty Cycle 0~20%:0.6 W At Duty Cycle 50%: 1.8 W At Duty Cycle 100%: 12.0 W
Maximum Airflow	At Duty Cycle 0~20%: 21.45 CFM At Duty Cycle 50%: 48.83 CFM At Duty Cycle 100%: 107.25 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 0.68 mm-H2O At Duty Cycle 50%: 5.34 mm-H2O At Duty Cycle 100%: 17.10 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 15.5 dBA At Duty Cycle 50%: 26.0 dBA At Duty Cycle 100%: 46.5 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+)

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	Pin#3- Green(Tachometer/ Signal Output) Pin#4- Blue (PWM)

Performance Chart: Active Cooler Q6 Thermal Resistance

Thermal Resistance vs. Fan Speed (Duty Cycle and RPM)

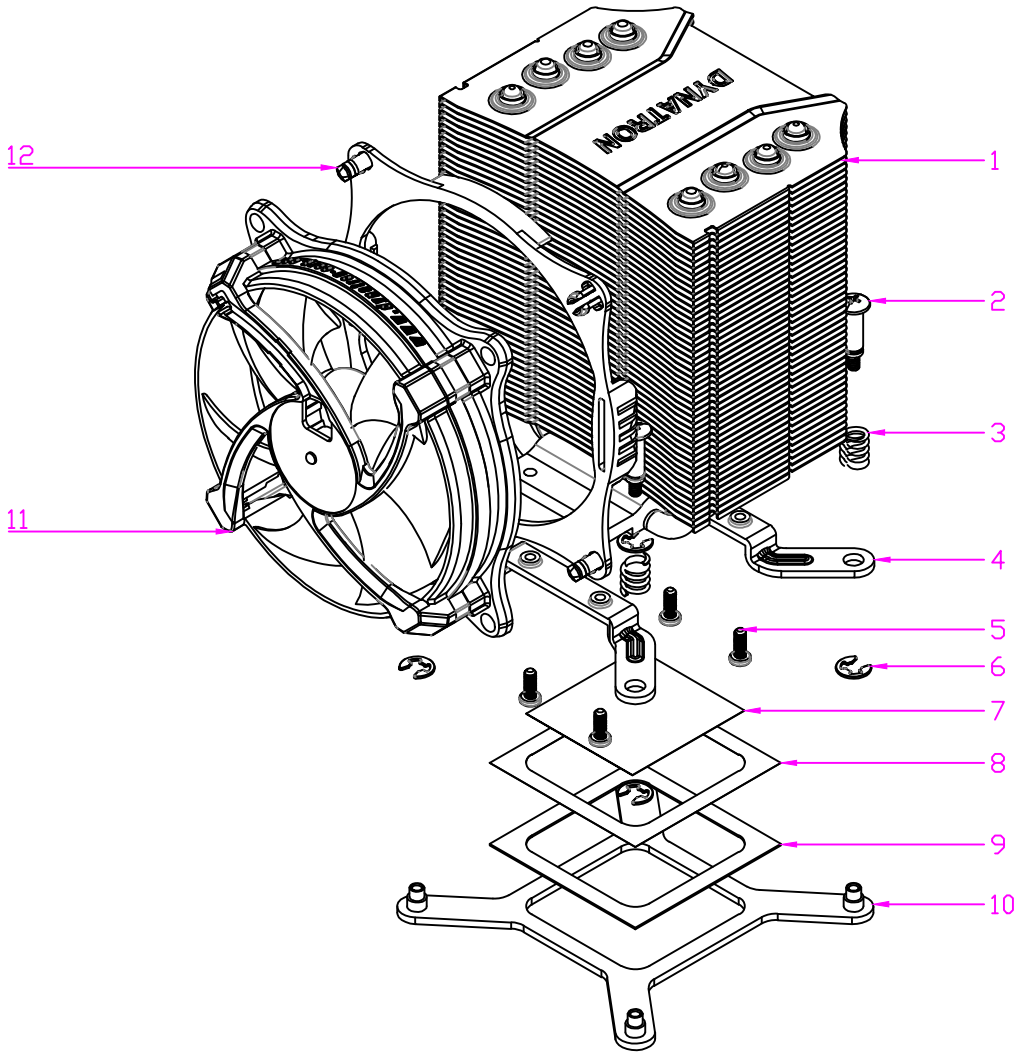


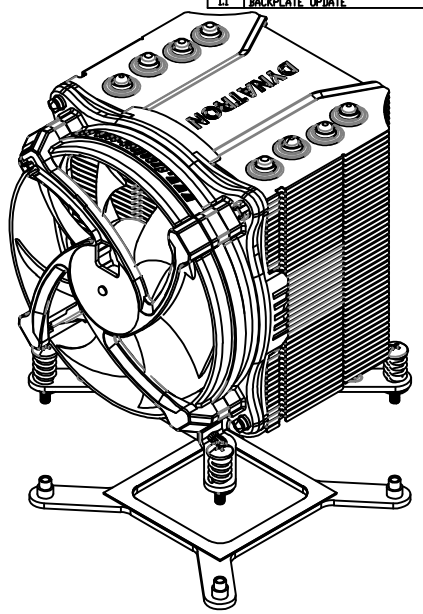
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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	JOY	02/24/21
0.1	FAN MATERIAL	JOY	09/09/21
1.1	BACKPLATE UPDATE	JOY	10/07/21





ITEM #	DESCRIPTION	MATERIAL	QTY.
12	FAN BRACKET	PLASTIC(ABS)	1
11	FAN, DF129225BU-PWMG	PLASTIC(PC)	1
10	BACKPLATE	SPCC	1
9	INSULATOR	FORMEX GK-17	1
8	ADHESIVE TAPE	3M	1
7	THERMAL GREASE	SHIN-ETSU 7762	1
6	C-RING	STEEL	4
5	BRACKET SCREW	STEEL	4
4	BRACKET	SK-7	2
3	SPRING	SUS 304	4
2	SCREW, HEATSINK	STEEL	4
1	HEATSINK	COPPER BASE + AL FIN+ HEATPIPE x4	1

	DATE	NAME
DRAWN	02/24/21	engr.
CHECKED	02/24/21	Joy
ENG. APPR.		
MFG. APPR.		
Q.A.		
COMMENTS:		

TOP MOTOR DYNATRON CORPORATION

TITLE:

3U Active Cooler Q6

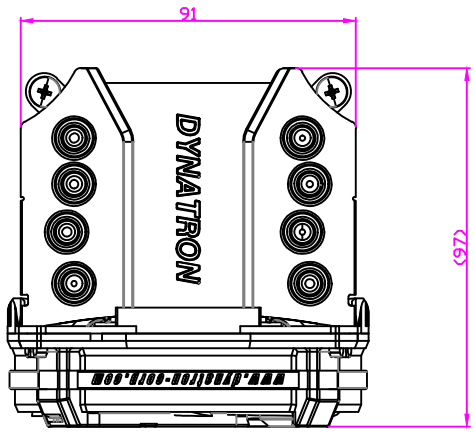
BOM & Exploded Assembly Drawing

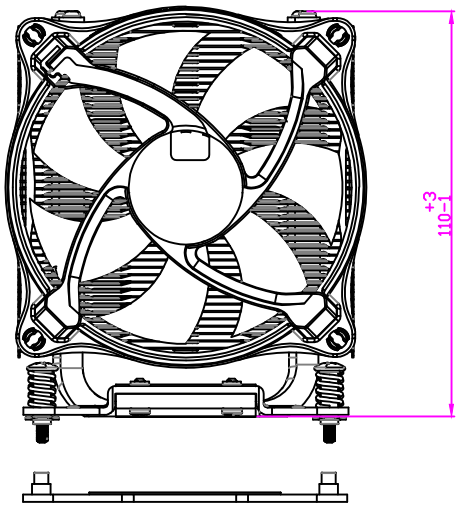
DWG. No: DYN-EP-Q6

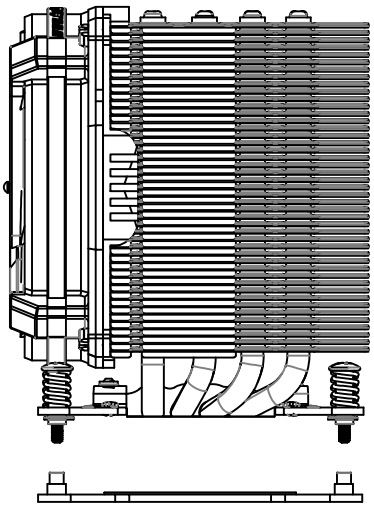
REV 1.1

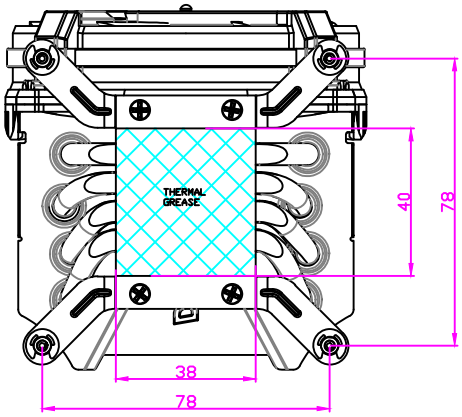
NOTES:
1. OVERALL DIMENSION: 91.0x91.0x110.0 mm
2. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE

REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	JDY	02/24/21
1.0	BACKPLATE UPDATE	JDY	10/07/21









	NAME	DATE
DRAWN BY	ENGR	02/24/2021
CHECKED BY	ENGR	02/24/2021
ENG.APPROVED		
MFG.APPROVED	-	-

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TOP MOTOR

DYNATRON CORPORATION

TITLE: 3U ACTIVE COOLER
Q6
Overall Dimension Drawing

VIEW		DWG. No:	REV.
UNITS	MM	DYN-BD-Q6	1.0