

# B5

2U Active Air Cooler

**PRODUCT SPECIFICATIONS**

## Table of Contents

1. PRODUCT DESCRIPTION .....	2
2. THERMAL PERFORMANCE CURVE .....	4
3. EP DRAWING .....	5
4 DM DRAWING .....	6
5. RoHS CERTIFICATE .....	7

## Model Number: B5

- Intel® Xeon® Platinum / Gold / Silver/ Bronze Family Processor, Socket FCLGA3647; products formerly Cascade Lake, Skylake
- For Narrow ILM Only
- Active Cooler for 2U Server and up

## Overall Specification

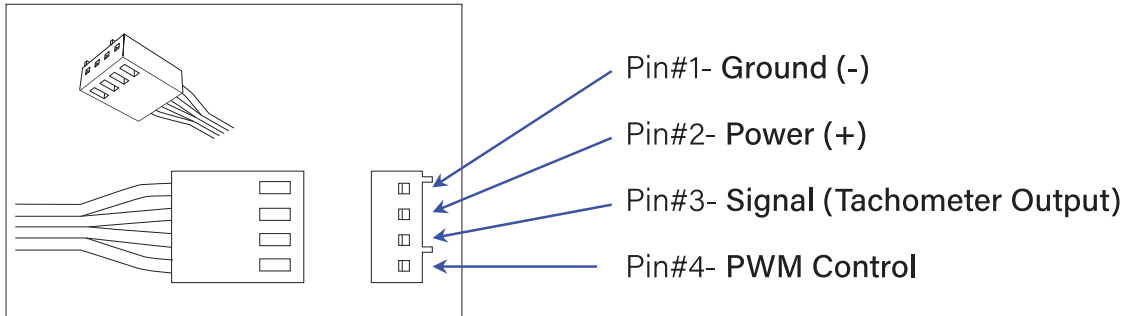
Dimension	108 x 80 x 66 mm
Weight	470g
Material	Aluminum Heatsink with Heatpipe Embedded
Fan	6025 Axial Fan for Heat Exhausting
Mounting Method	Convenient Heat Sink Screw Captive Mounting
Package Carriers	Both Fabric and Non-Fabric Package Carriers are included
Thermal Grease	Shin-Etsu 7762 Pre-printed
TDP	Support CPU Power up to 205 Watts Heat Dissipation

## Fan Specification

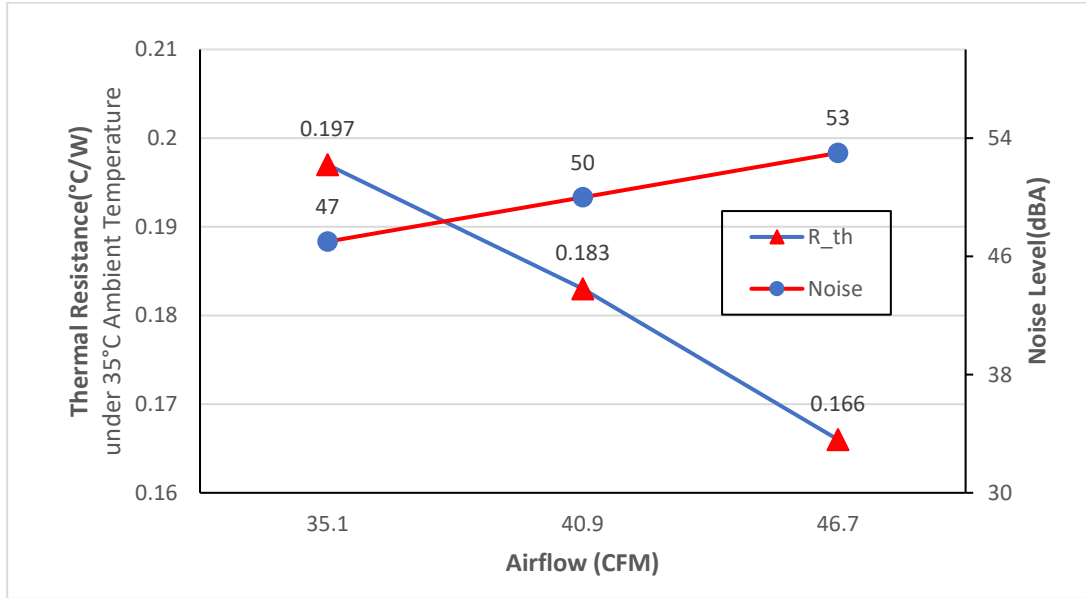
Model Number	DF126025BH-PWM
Dimension	60 x 60 x 25 mm
Bearing	Double Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 1600 ± 200 RPM At Duty Cycle 50%: 4000 ± 10% RPM At Duty Cycle 100%: 8000 ± 10% RPM
Input Power	At Duty Cycle 0~20%: 1.2 W At Duty Cycle 50%: 2.28 W At Duty Cycle 100%: 7.20 W
Maximum Airflow	At Duty Cycle 0~20%: 9.28 CFM At Duty Cycle 50%: 23.21 CFM At Duty Cycle 100%: 46.41 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 0.76 mm-H2O At Duty Cycle 50%: 4.76 mm-H2O At Duty Cycle 100%: 19.04 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 18dBA At Duty Cycle 50%: 37.89 dBA At Duty Cycle 100%: 52.94 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output)

Pin#4- Blue (PWM)01

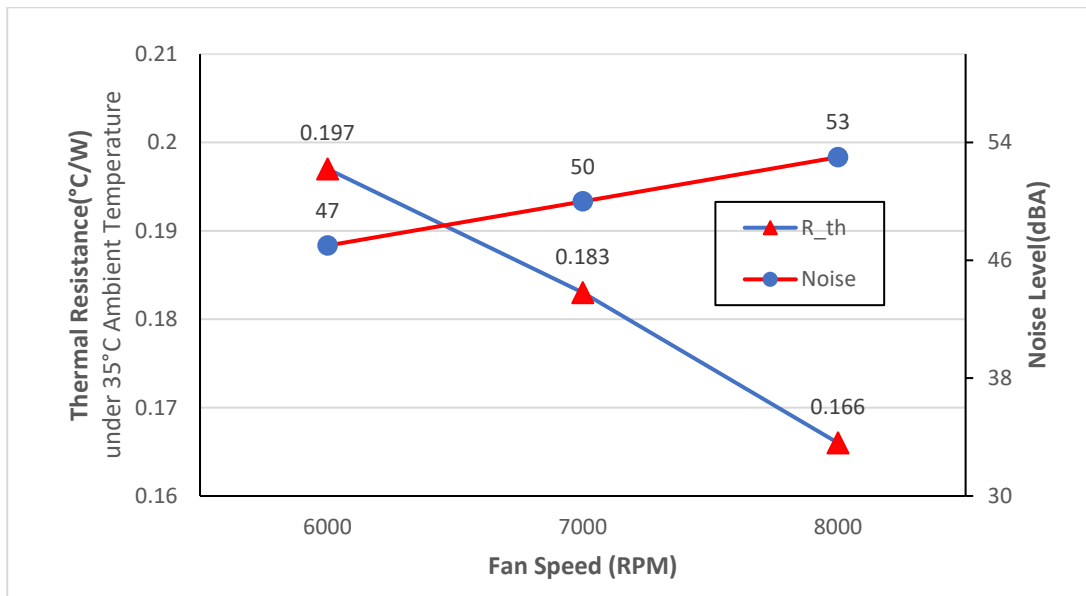
## Lead Wire Pin Out Diagram



## Performance Chart: Active Cooler B5 Thermal Resistance Cooling Performance vs. Airflow



## Cooling Performance vs. Fan Speed





# DYNATRON CORPORATION

## TOP MOTOR TECHNOLOGY (HUIZHOU) CO, LTD

### 6.1. Assembly Parts

File No	ITEM#	DESCRIPTION	CHECKER	DATE
EP-395	01	BS	廖/李	2017/04/08
	02	金属固定材料：螺丝垫圈	廖/李	2022/04/20

ITEM NO.	NAME	DATE	DESCRIPTION	MATERIAL	QTY.
11	30900120	X-23-7762	Thermal Grease	AL+HP	70~47
10	50805840	71010550	Heatsink sticker	PC	1
9	71010550	30702550	Washer	graphite	4
8	30702550	31301130	Bracket	PC+ABS	1
7	31301130	30702540	Washer	Nylon	4
6	30702540	50900380	Screw	Steel	4
5	50900380	LE06250018	Fan(6025-7000RPM)	PBT	1
4	51302140	50903620	Cover	SPCC	1
3	50903620		Screw	Steel	2
2	50903620		Screw	Steel	2
1	50903970		Screw	Steel	4

配件/(31301210)

**Note:**

- The figure is for reference only, and not for scale,
- Over all dimension: 109.0x80.00x66.00mm,
- Heat sink dimension: 108.0x80.0x65.0mm,

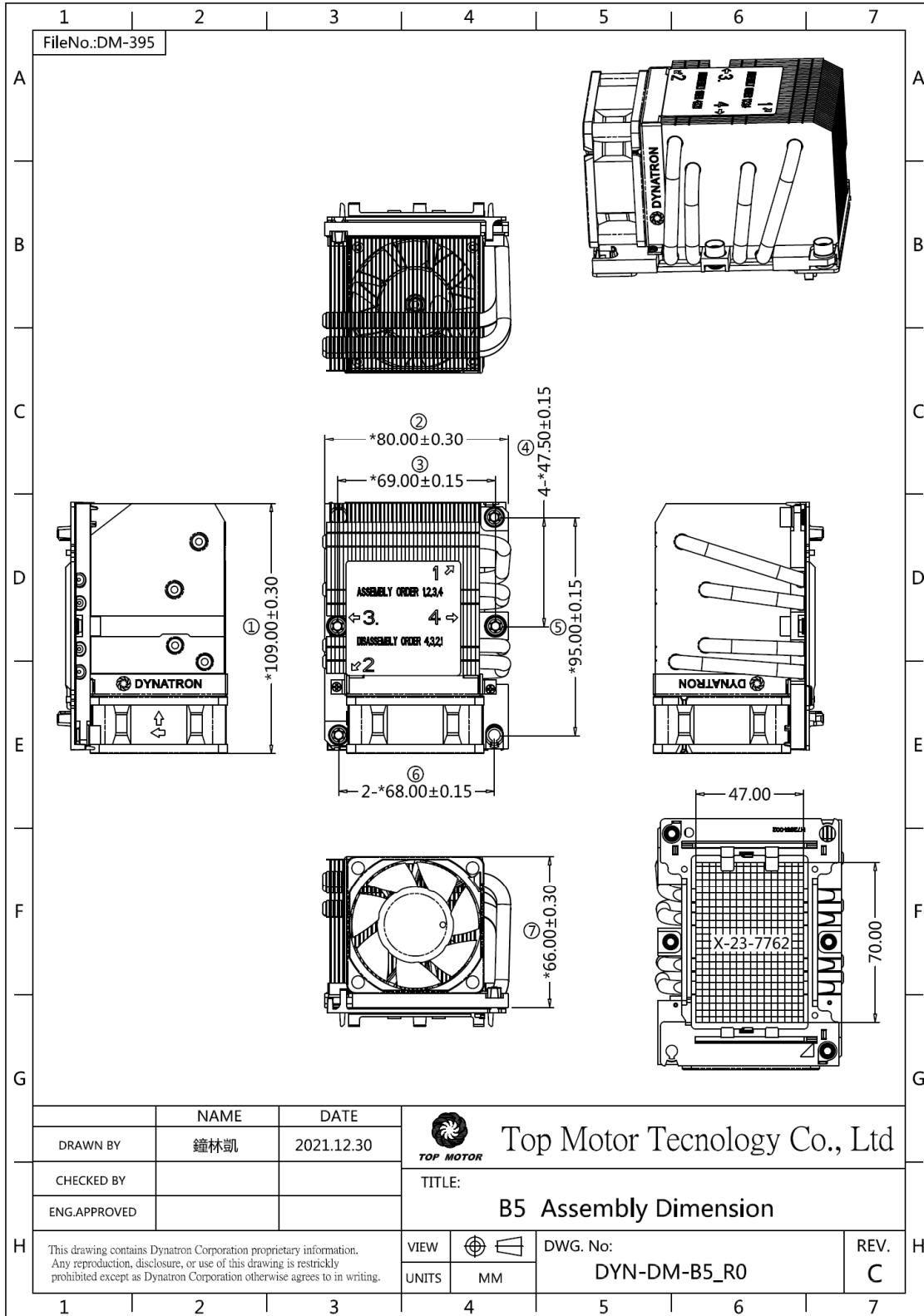
DRAWN	DATE	TITLE	DWG. NO.	REV
廖/李	2022/04/20	Top Motor Technology Co.,Ltd Exploded Assembly Drawing BS	DYN-EP-B5_R0	D
CHECKED				
REV. APPR.				
COMMENTS: N/A				



# DYNATRON CORPORATION

## TOP MOTOR TECHNOLOGY (HUIZHOU) CO, LTD

### 6.2. Product Dimension





## Certificate of Environment Protection

### 環保證明書

Document Number: RH-B5-R0

<b>Customer:</b> 客戶名稱:	<b>Company:</b> _____ <b>Address:</b> _____ <b>Phone Number:</b> ____ - ____ - _____
<b>Issue Date:</b>	06/02/2016
<b>Product Model Number:</b>	B5
<p> <b>Dynatron Corporation</b> hereby declares and certifies that all components manufactured are RoHS compliant according to the definitions and restrictions given by the European Union's Restriction (Directive 2002/95/EC) (Decision2011/65/EU)RoHS 2, on the restriction of the use of certain Hazardous Substances in the electrical and electronic equipment. Also, compliance to the most recent list of substances on the REACH candidate list.                     </p> <p> <b>Number of substances on the Candidate List: 168 (last updated: 17/12/2015)</b> </p> <p>                         No exemptions are claimed in order for the part to be compliant with the RoHS directive.                     </p> <p> <b>Dynatron Corporation / 政久興業股份有限公司</b>證明所有產品,零件 (包括附屬品, 包裝類) 之環境管理物質完全符合 <b>RoHS, WEEE,</b> 及該環保標準之規定, 並承諾遵循以上之證明。                     </p> <div style="text-align: right; margin-top: 20px;"> <p> <b>Dynatron Corporation.</b>                              33200 Western Ave,                              Union City, CA 94587                              www.Dynatron-corp.com                         </p> </div> <p style="margin-top: 20px;"> <b>Title (職務):</b> _____ ASSISTANT-MANAGER _____                     </p> <p style="margin-top: 10px;"> <b>Signature (簽字):</b> _____ <i>Ulan Lee</i> _____                     </p> <p style="text-align: right; margin-top: 10px;">                         Date: 06 / 02 / 2016                     </p>	