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Product Spec Sheet

B3

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Application :

- Recommend for Intel® Xeon® Platinum / Gold Family Processor (Products formerly Skylake), Socket FCLGA3647
- **For Narrow ILM Only**
- Active Cooler for 1U Server

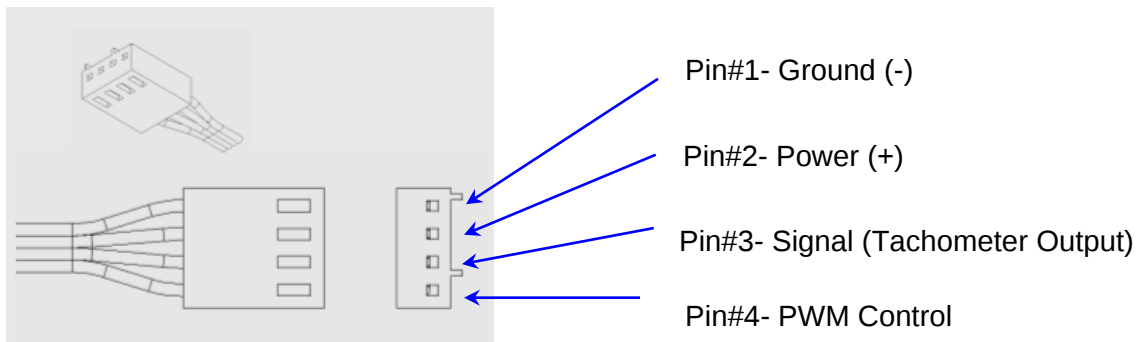
Overall Specification :

- Dimension: 107 x 80.5 x 28 mm
- Weight: 460g
- Material : Copper 1100 Skiving Heatsink
- 8015 Aluminum PWM Blower for Heat Exhausting
- Convenient Heat Sink Screw captive mounting
- Thermal Grease Shin-Etsu 7762 Pre-printed
- Support CPU power up to 165 Watts heat dissipation
- Includes both Fabric and Non-Fabric Package Carriers

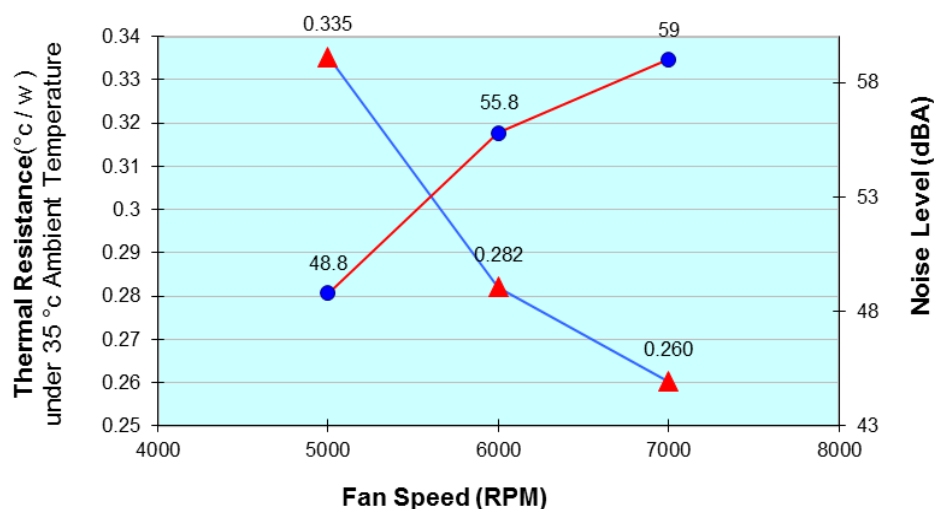
Blower Specification:

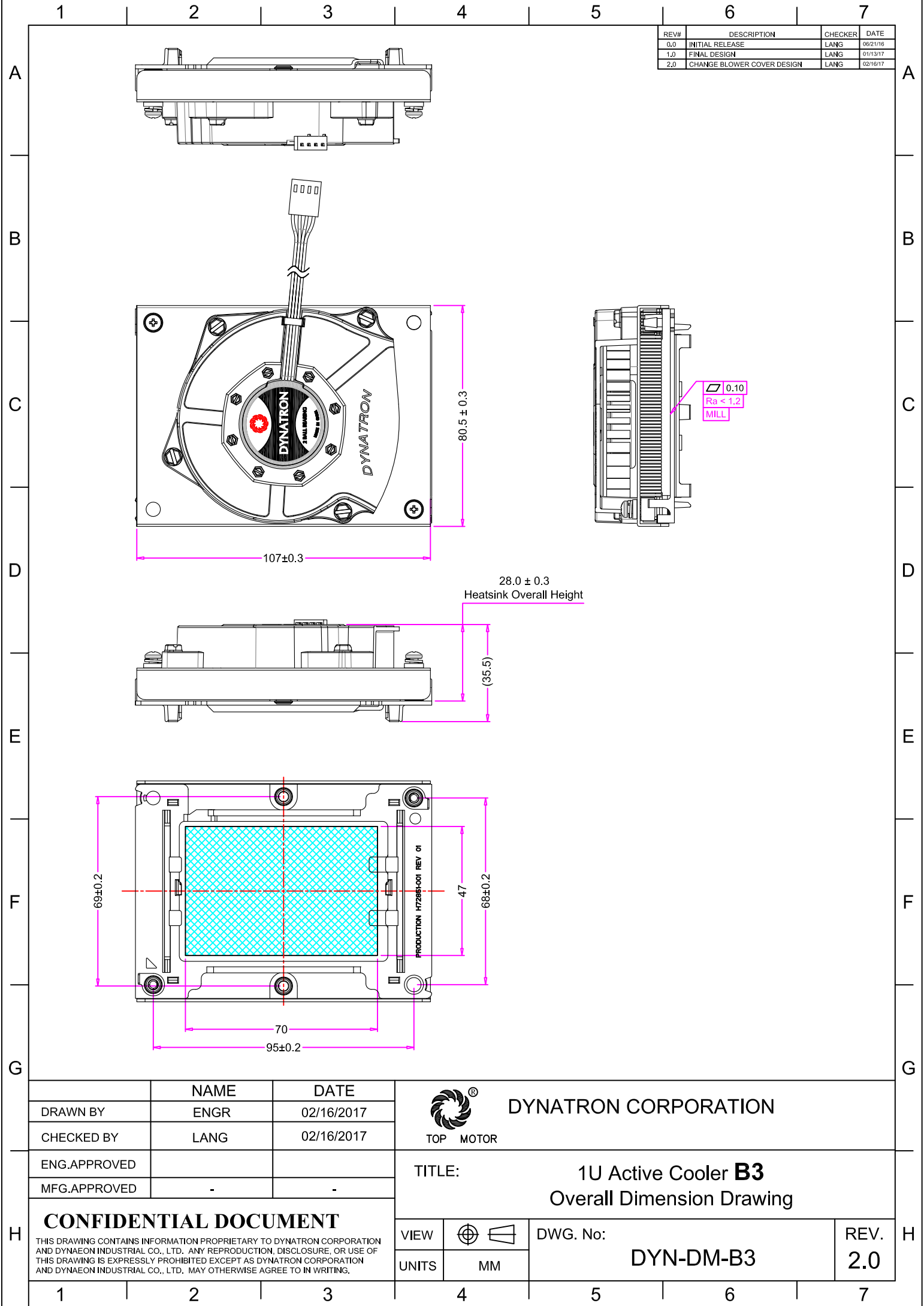
- Model Number: DB128015BU-PWM / A
- Dimension: Ø80 x 15 mm
- Bearing: Ball Type, Double
- Rated Voltage: 12V
- Rated Speed:
 - At Duty Cycle 0~20%: 1000 ± 200 RPM
 - At Duty Cycle 50%: 4000 ± 10% RPM
 - At Duty Cycle 100%: 7000 ± 10% RPM
- Rated Input Power:
 - At Duty Cycle 0~20%: 0.6 W
 - At Duty Cycle 50%: 3.84 W
 - At Duty Cycle 100%: 19.2 W
- Rated Airflow:
 - At Duty Cycle 0~20%: 3.0 CFM
 - At Duty Cycle 50%: 12.0 CFM
 - At Duty Cycle 100%: 21.0 CFM

- Rated Static Pressure:
 - At Duty Cycle 0~20%: 1.5 mm-H₂O
 - At Duty Cycle 50%: 23.2 mm-H₂O
 - At Duty Cycle 100%: 70.9 mm-H₂O
- Rated Acoustical Noise:
 - At Duty Cycle 0~20%: 16.0 dBA
 - At Duty Cycle 50%: 44.9 dBA
 - At Duty Cycle 100%: 57.1 dBA
- Lead Wire Pin Out:
 - Pin#1-Black(-)
 - Pin#2- Yellow(+)
 - Pin#3- Green(Tachometer/ Signal Output)
 - Pin#4- Blue (PWM)
- Lead Wire Pin Out Diagram :



Active Cooler B3 Thermal Performance Curve :





	NAME	DATE
DRAWN BY	ENGR	02/16/2017
CHECKED BY	LANG	02/16/2017
ENG.APPROVED		
MFG.APPROVED	-	-

CONFIDENTIAL DOCUMENT

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DYNATRON CORPORATION

TOP MOTOR

TITLE:

1U Active Cooler **B3**

Overall Dimension Drawing

VIEW



DWG. No:

UNITS

MM

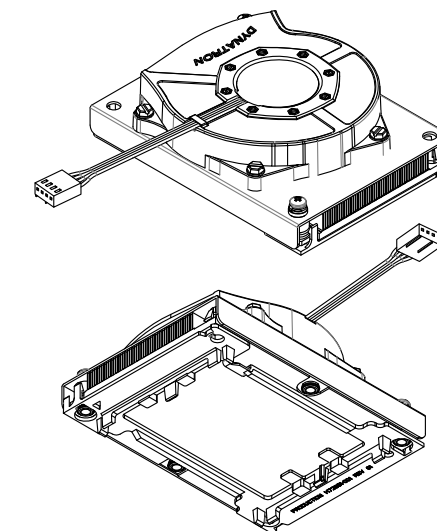
DYN-DM-B3

REV.

2.0

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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	LANG	06/21/2016
1.0	FINAL DESIGN	LANG	01/13/2017
2.0	BLOWER COVER DESIGN CHANGE	LANG	02/16/2017



11	THERMAL GREASE, PRE-PRINT	SHIN-ETSU 7762	1
10	SCREW, BLOWER COVER MOUNTING	STEEL	2
9	HEATSINK NUT, M4	SUS 316 ANNEALED	4
8	WASHER	PLASTIC	8
7	CALLAR	NY66 A205F	4
6	INTEL PACKAGE CARRIER (AS SHOWN NARROW FABRIC)	PLASTIC	1
5	INTEL PACKAGE CARRIER (AS SHOWN NARROW NON-FABRIC)	PLASTIC	1
4	HEATSINK, SKIVING FIN	COPPER 1100	1
3	SCREW, BLOWER MOUNTING	STEEL	4
2	BLOWER COVER	SPCC	1
1	BLOWER, DB128015BU-PWMG, 7000 RPM	ALUMINUM FRAME	1
ITEM#	DESCRIPTION	MATERIAL	QTY

1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE
2. OVERALL DIMENSION : 107 x 80.5 x 28 mm
3. OVERALL WEIGHT : 460 g

	DATE	NAME	 DYNATRON CORPORATION	1U Active Cooler B3 BOM & Exploded Assembly Drawing	REV 2.1
DRAWN	02/16/2017	Engr			
CHECKED	02/16/2017	LANG			
ENG. APPR.					
MFG. APPR.					
O.A.					
COMMENTS:			DWG. No:	DYN-EP-B3	



Certificate of Environment Protection

環保證明書

Document Number: RH-B3-R0

Customer: 客戶名稱:	Company: _____ Address: _____ Phone Number: _____ - _____ - _____
Issue Date:	06/02/2016
Product Model Number:	B3

Dynatron Corporation 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) (Decision 2011/65/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.

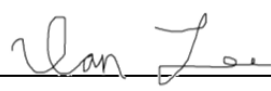
Number of substances on the Candidate List: 168 (last updated: 17/12/2015)

No exemptions are claimed in order for the part to be compliant with the RoHS directive.

Dynatron Corporation / 政久興業股份有限公司 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 RoHS, WEEE, 及該環保標準之規定, 並承諾遵循以上之證明。

Dynatron Corporation.
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 Union City, CA 94587
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Title (職務): _____ ASSISTANT-MANAGER

Signature (簽字): _____ 

Date: 06 / 02 / 2016