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# **Product Spec Sheet**

L13



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## Model Number: L13

- Recommend for Intel® Xeon® Platinum / Gold Family Processor
  ( Products formerly Skylake ), Socket FCLGA3647
- For Narrow ILM Only
- Liquid Cooler for 4U Workstation

#### **Overall Description:**

- Cold Plate Module with Copper Base
- Space Saver Light Weight Radiator
- 12cm Cooling Fans with 4-Pin PWM Connector
- Stand-alone Water Pump with Powerful Flow Rate 1.7 Liter Per Minute
- 30cm Black Pair EPDM Tube Assembled
- · Mounting Accessories are included
- Shin-Etsu Series Thermal Compound Pre-Printed on Base
- Support CPU Heat Dissipation for 205Watts and up

### **Cooling Fan Specification:**

Model Number: DF121238BH - PWMGDimension: 120mm x 120mm x 38mm

Bearing: Liquid StateRated Voltage: 12V

· Rated Speed:

At Duty Cycle 0~20%: 900±200 RPM
 At Duty Cycle 50%: 1500±200 RPM
 At Duty Cycle 100%: 2300±10% RPM

#### • Rated Input Power:

o At Duty Cycle 0~20%: 1.2 W

o At Duty Cycle 50%: 2.0 W

o At Duty Cycle 100%: 4.9 W

#### Rated Airflow:

o At Duty Cycle 0~20%: 34.8 CFM

o At Duty Cycle 50%: 58.0 CFM

o At Duty Cycle 100%: 88.93 CFM

#### Rated Static Pressure:

 $\circ$  At Duty Cycle 0~20%: 0.79 mm-H<sub>2</sub>O

o At Duty Cycle 50%: 2.20 mm-H<sub>2</sub>O

o At Duty Cycle 100%: 5.17 mm-H<sub>2</sub>O

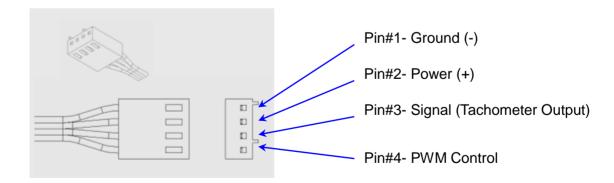
#### • Rated Acoustical Noise:

At Duty Cycle 0~20%: 17.3 dBA

o At Duty Cycle 50%: 28.4 dBA

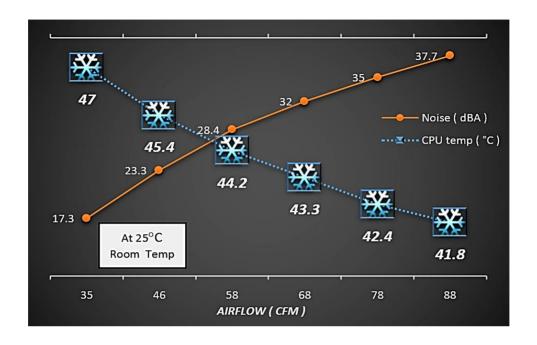
o At Duty Cycle 100%: 37.7 dBA

#### Lead Wire Pin Out Diagram :

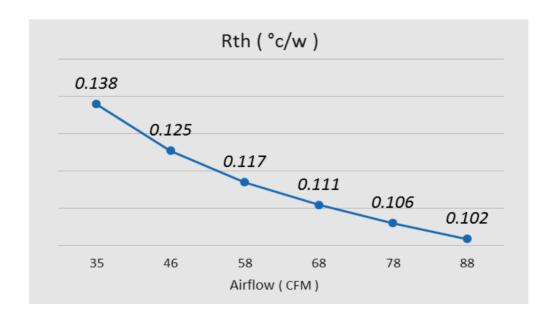


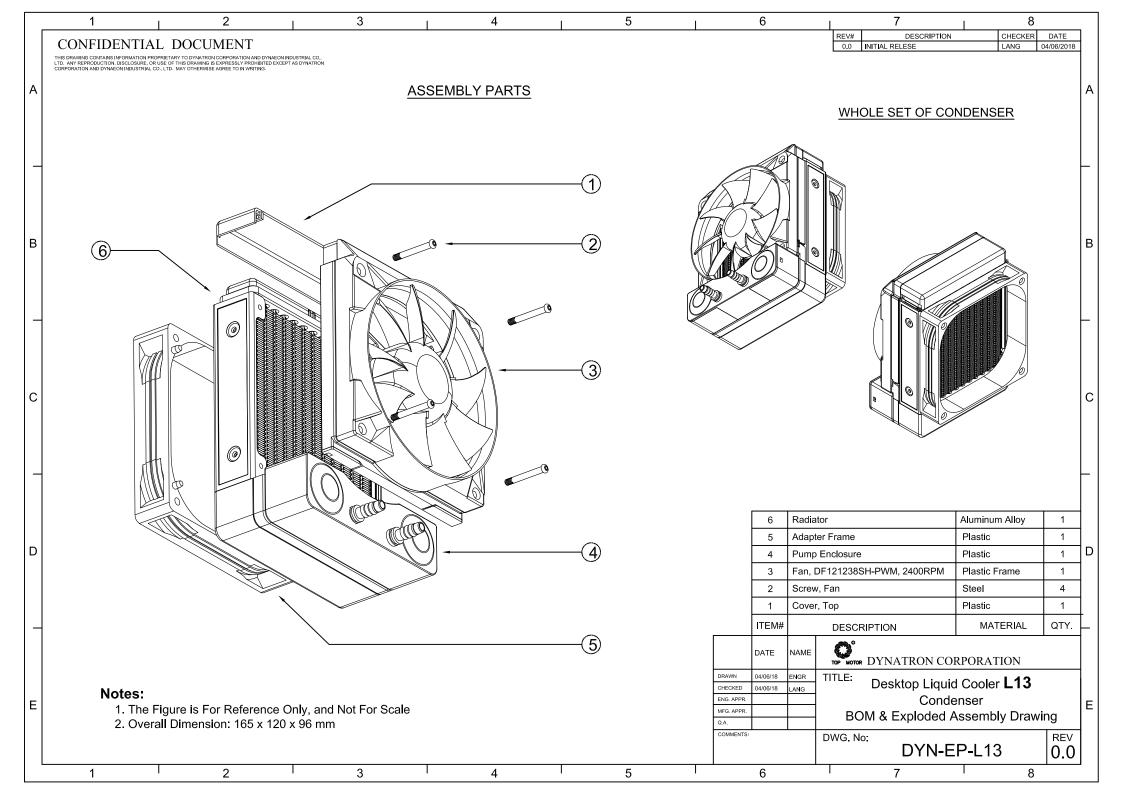
### **Desktop Liquid Cooler L13 Thermal Performance**

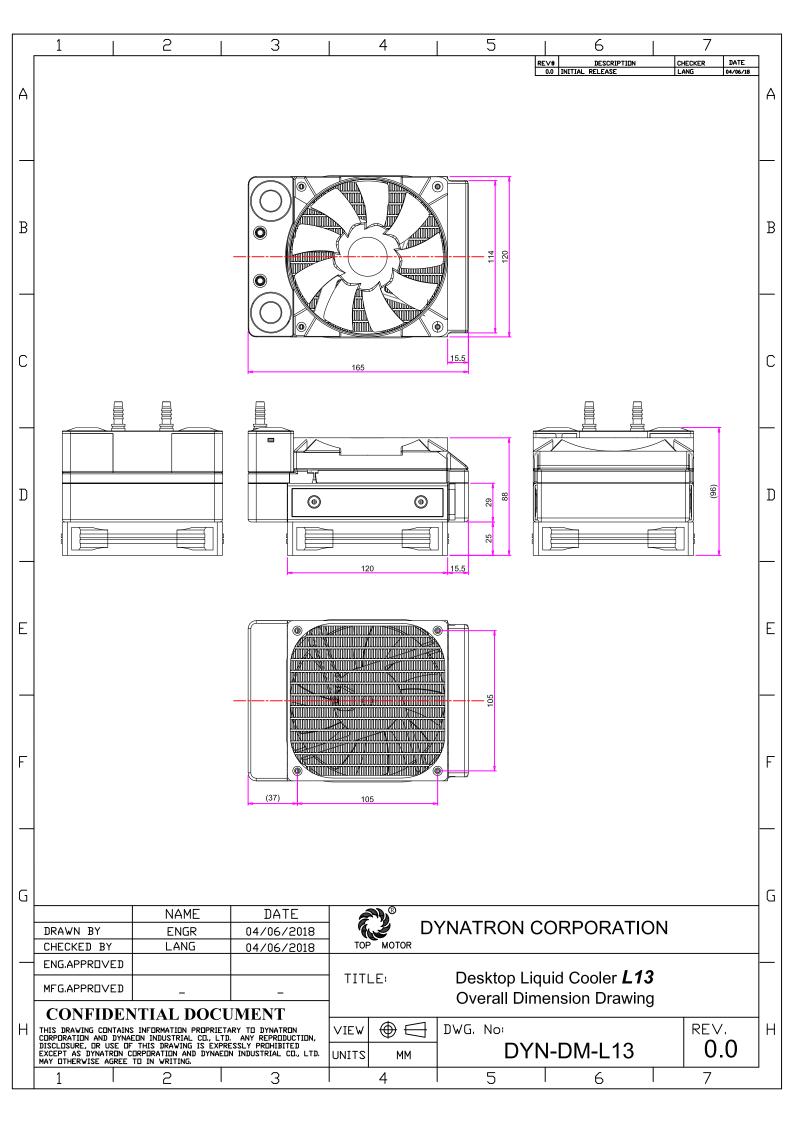
(Airflow VS. CPU Temperature & Noise)

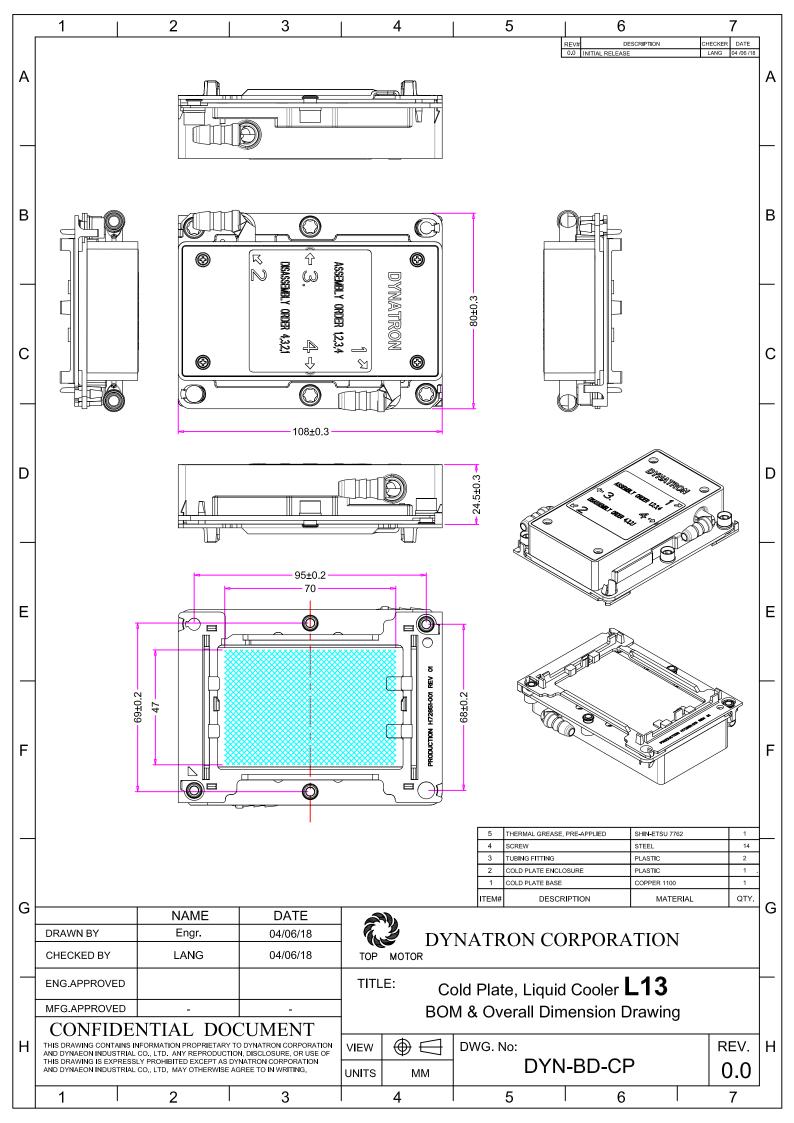


(Airflow VS. Thermal Resistance)













# Certificate of Environment Protectio 環保證明書

Document Number: RH_L13-R	
Customer: 客戶名稱:	Company:      Address:        Phone Number:
Issue Date:	04/06/2018
Product Model Number:	L13
<b>Dynatron Corporation</b> her	eby declares and certifies that all components manufactured
are RoHS compliant according to the definitions and restrictions given by the European Union's	
Restriction (Directive 2002/9	95/EC) (Decision2011/65/EU)RoHS 2, on the restriction of the
,	Substances in the electrical and electronic equipment. Also,
compliance to the most recent list of substances on the REACH candidate list.	
1	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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	www.Dynatron-corp.com
Title (職務	:ASSISTANT-MANAGER
Signature (簽号	Date: 04 / 06 / 2018