

# Revo Six Datasheet



Will - E3D

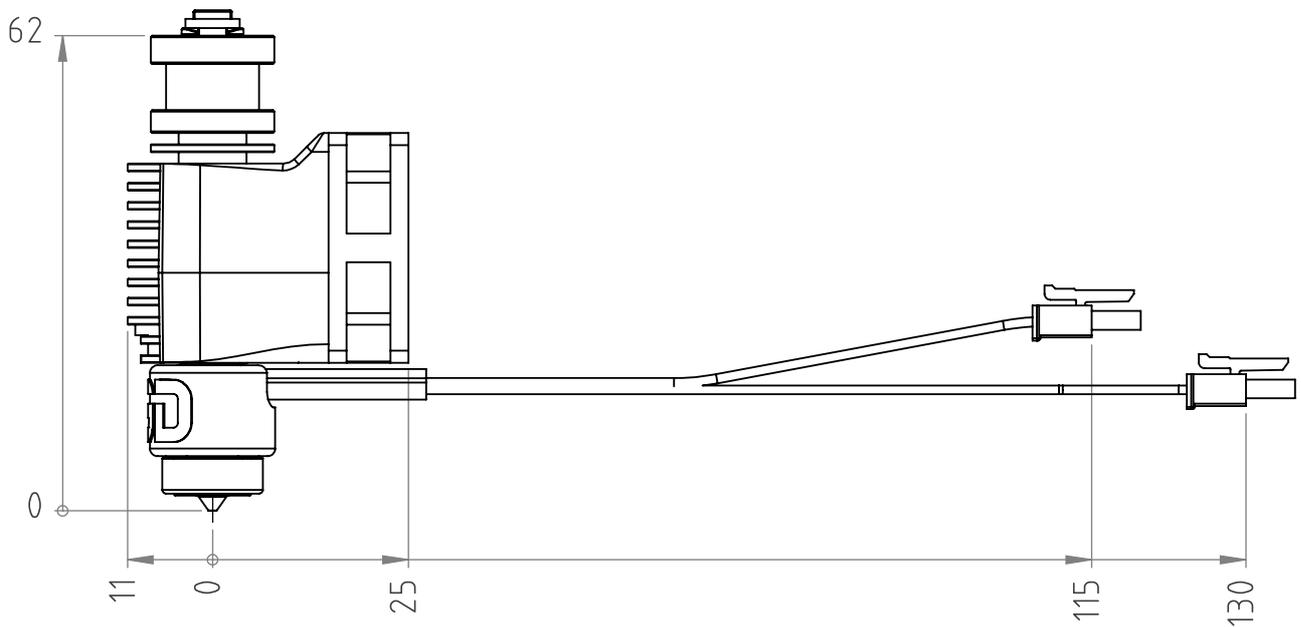
**Revo™ Six**  
**DATASHEET**



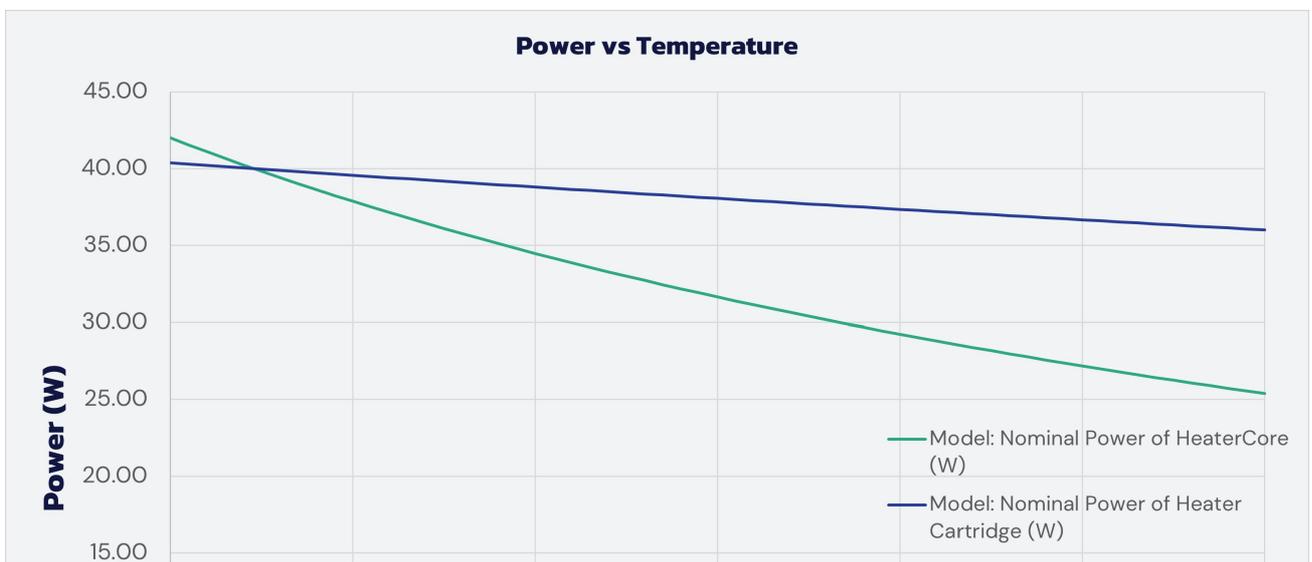
## Summary

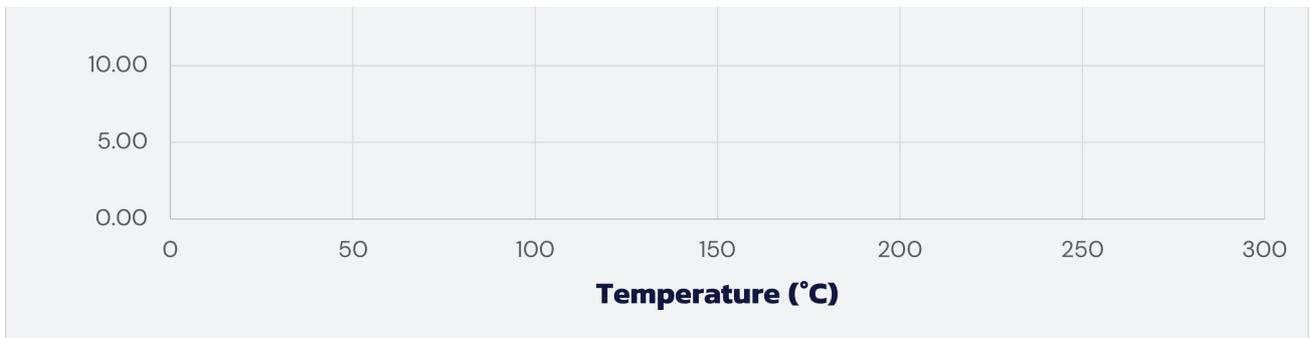
- Max Printing Temperature: 300°C
- Mass: ~53g
- Temperature sensor type: thermistor, Semitec 104NT-4-R025H42G
- Voltage options: 12V or 24V
- Wattage: 40W
- Filament diameter: 1.75mm

## Volume and Dimensions



## Power vs Temperature





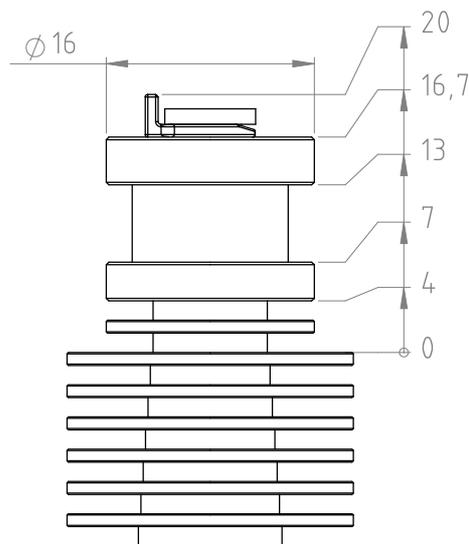
Initial Resistance of a 24V heater at 23°C: 14.4Ω

Temp Coefficient of HeaterCore: 0.002078

Temp Coefficient of Heater Cartridge: 0.002078

## Mounting Guidance

Mounting type: E3D Groove Mount



## Cable Orientation

Turn Revo HeaterCore anti-clockwise to orient cables. Turning clockwise will cause the spring to disengage.

## Assembly

There is no need to hot-tighten the Revo Six assembly. Tools must not be used to fasten the Revo Nozzle to the HeaterCore.

## Operational Temperatures

Maximum recommended ambient operating temperature (PLA): 40°C

Lowest temperature rated component: Fan 70°C

## Electrical Specification

### Fan

12V or 24V

Fan current: 0.1A (12V) and 0.08A (24V)

### Heater

12V or 24V, 40W nominal power at ambient

Fan noise: 30 dB(A)

### Temperature

Temperature sensor: Semitec 104NT-4-R025H42G

## Connections

Fan: Molex SL, 2 Pin, Unpolarised

Heater: Molex Micro-Fit 3.0, 2 pin horizontal

Temperature sensor: Molex Micro-Fit 3.0, 2 pin horizontal

Assembly is supplied with 1m cables to connect to mainboard

## Materials

Heatsink: Aluminium (black anodised)

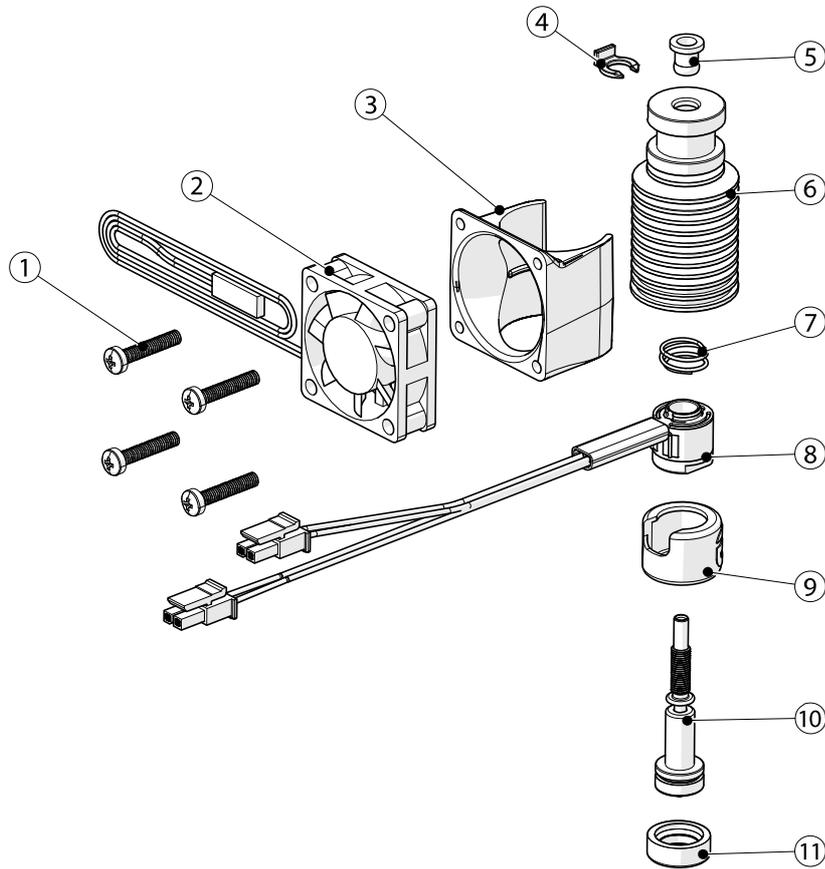
HeaterCore: Alumina, Bronze

Fan Shroud: Polycarbonate

## Compliance

Reach  
RoHS  
WEEE

## Exploded View



1. 4x Self-Tapping Screws

2. 3010 fan

3. Fan duct

4. Collet clip

5. Collet

6. Heatsink

7. Revo spring

8. Revo HeaterCore

9. Revo HeaterCore sock

10. Revo Nozzle

11. Revo Nozzle sock

## Changelog

Edition 4

Approved: RY 19/07/22

Published: 19/07/22

Notes: Migrated PDF to Zendesk, Power vs Temperature graph added and minor phrasing changes

Edition 3

Approved: DR 07/01/22

Published: 17/01/22

Notes: Operating temperature updated

Edition 2

Approved: DR 07/12/21

Published: 07/12/21

Notes: Flow rate units changed to mm<sup>3</sup>/sec

Edition 1

Approved: RY 01/11/21

Published: 03/11/21

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