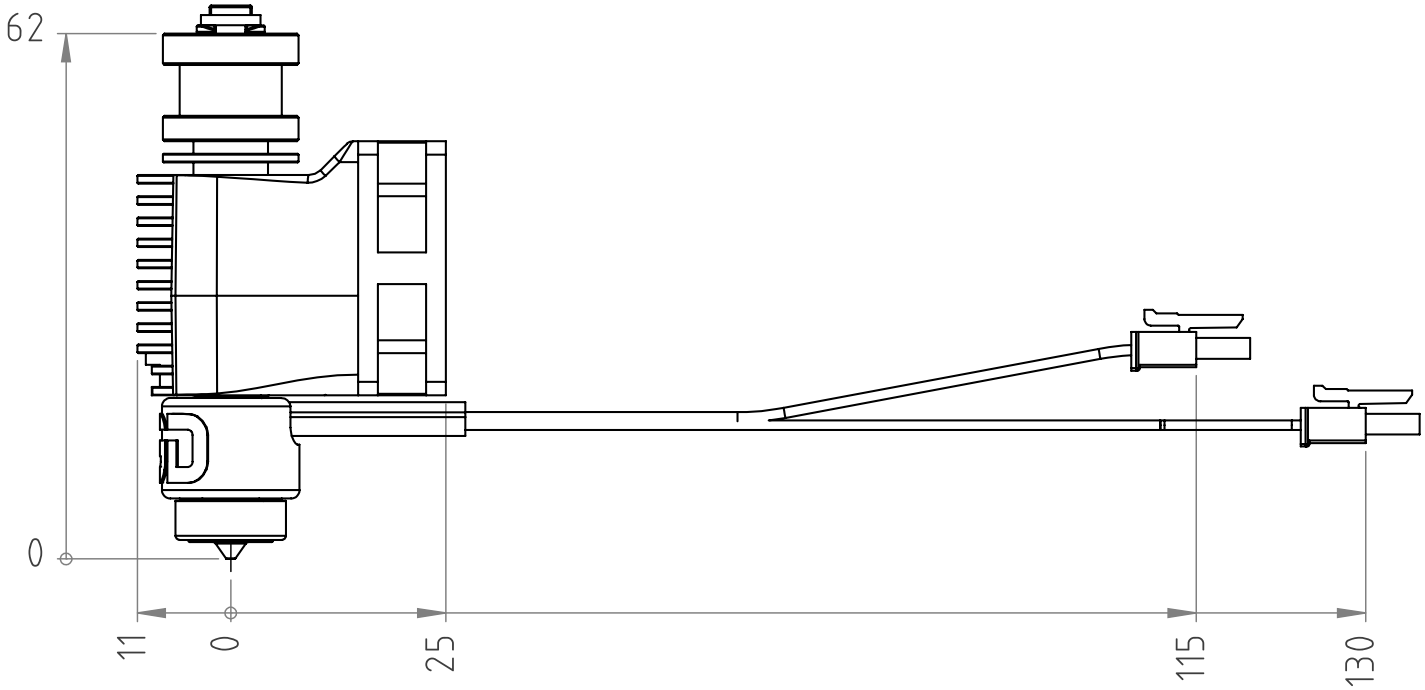
- Wattage: 40W
- Filament diameter: 1.75mm

Revo™ Six
DATASHEET

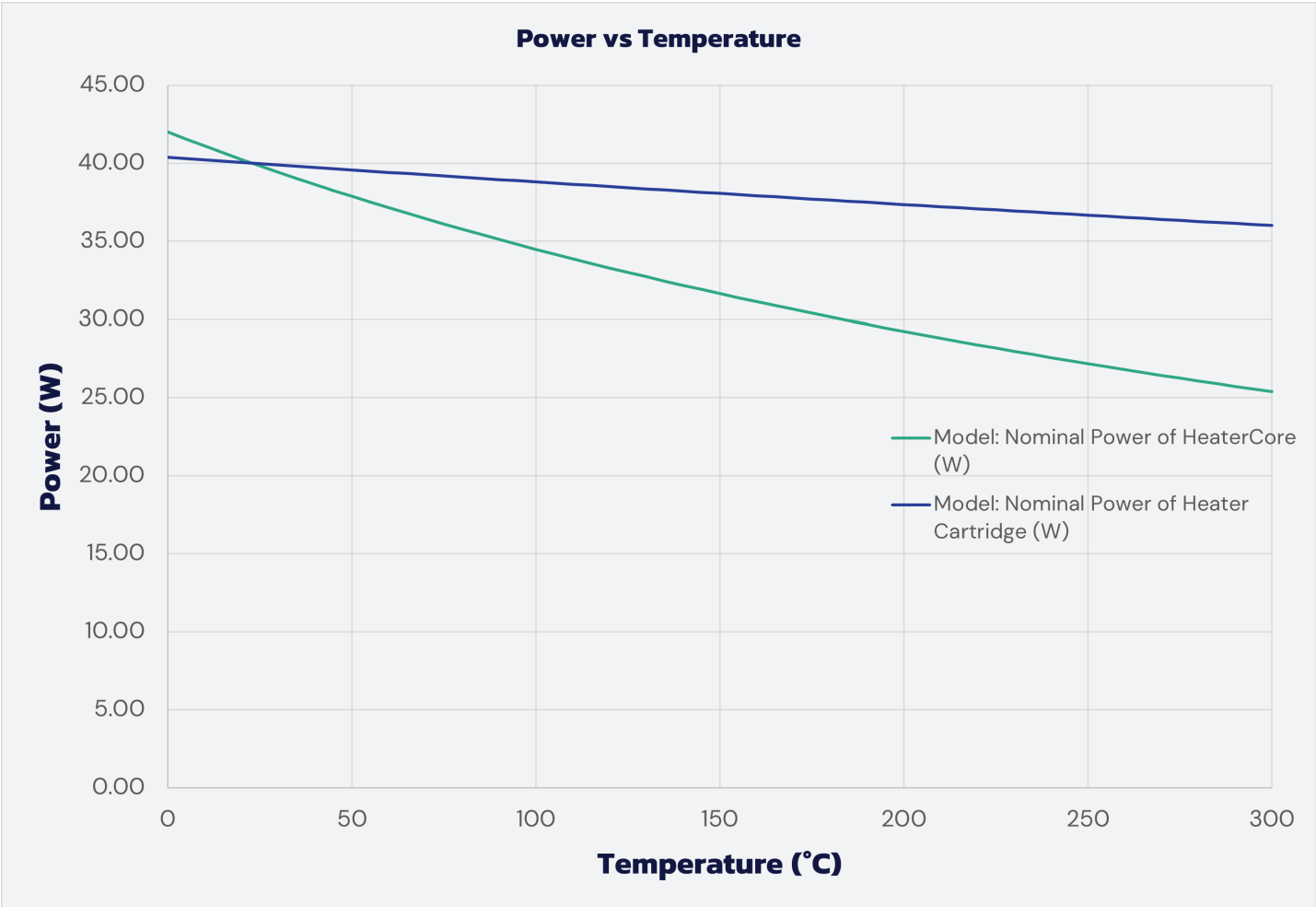
Summary

- 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



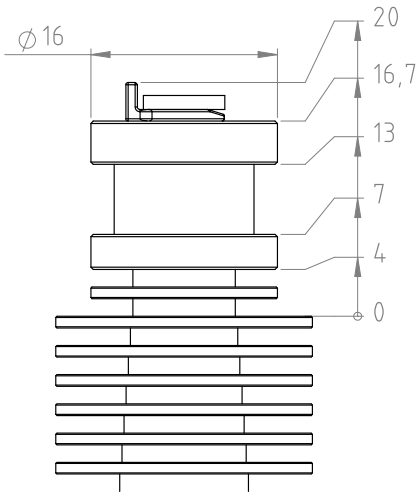
Initial Resistance of a 24V heater at 23°C: 14.4Ω

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

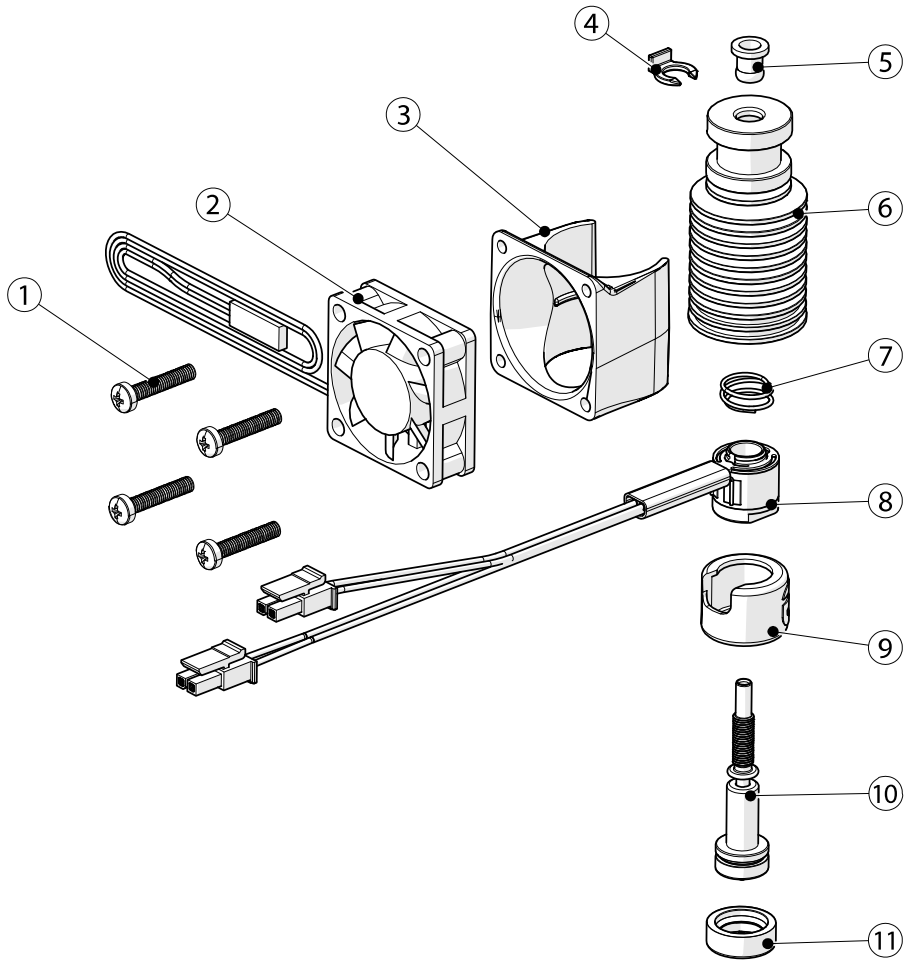
Materials

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^3/sec

Edition 1
Approved: RY 01/11/21
Published: 03/11/21

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