

RapidChange™

Revo™ Voron

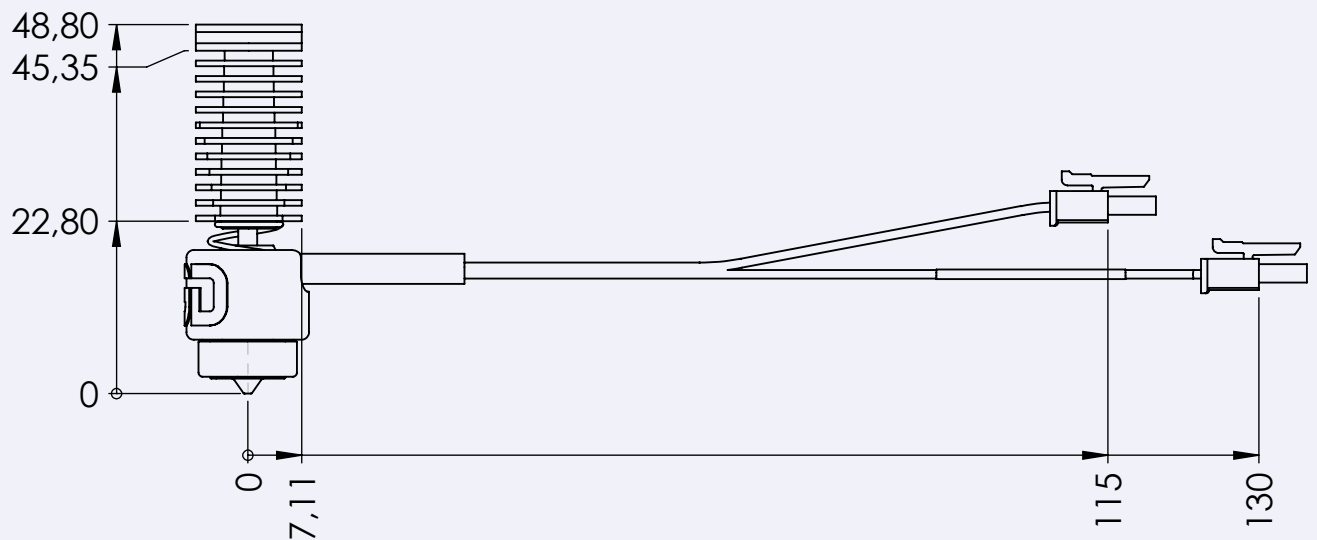
DATA SHEET



SUMMARY

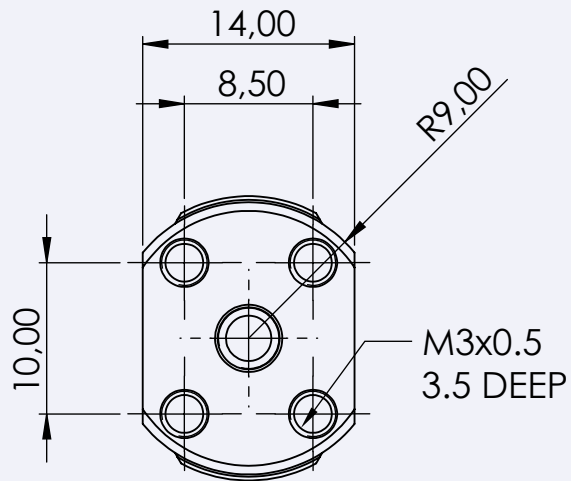
- Max printing temperature: 300°C
- Mass: ~25g
- Temperature sensor type: thermistor, Semitec 104NT
- Voltage options: 12V or 24V
- Wattage: 40W
- Filament diameter: 1.75mm

VOLUME AND DIMENSIONS



MOUNTING GUIDANCE

Mounting type: M3 x 0.5



[Figure 1: Revo Voron mounting reference]

Full mounting instructions, and STL files for the Voron printed parts can be found at <https://docs.vorondesign.com/>

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 Voron assembly. Tools must not be used to fasten the Revo Nozzle to the HeaterCore.

OPERATIONAL TEMPERATURES

Maximum recommended operating temperature (PLA): 40°C

CONNECTIONS

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 (red anodised)

HeaterCore: Alumina, Bronze

ELECTRICAL SPECIFICATION

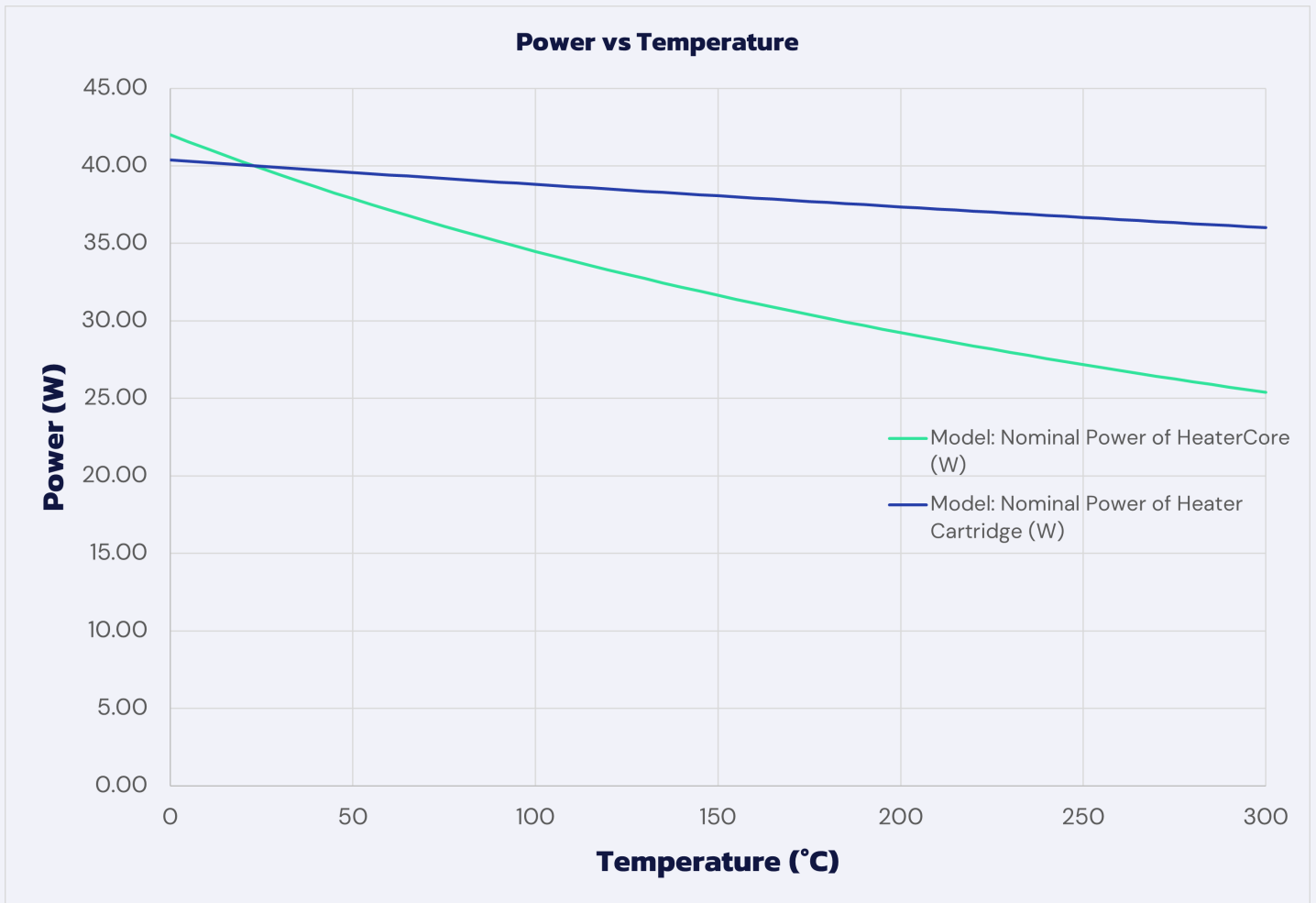
Heater

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

Temperature

- Temperature sensor: Semitic 104NT

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

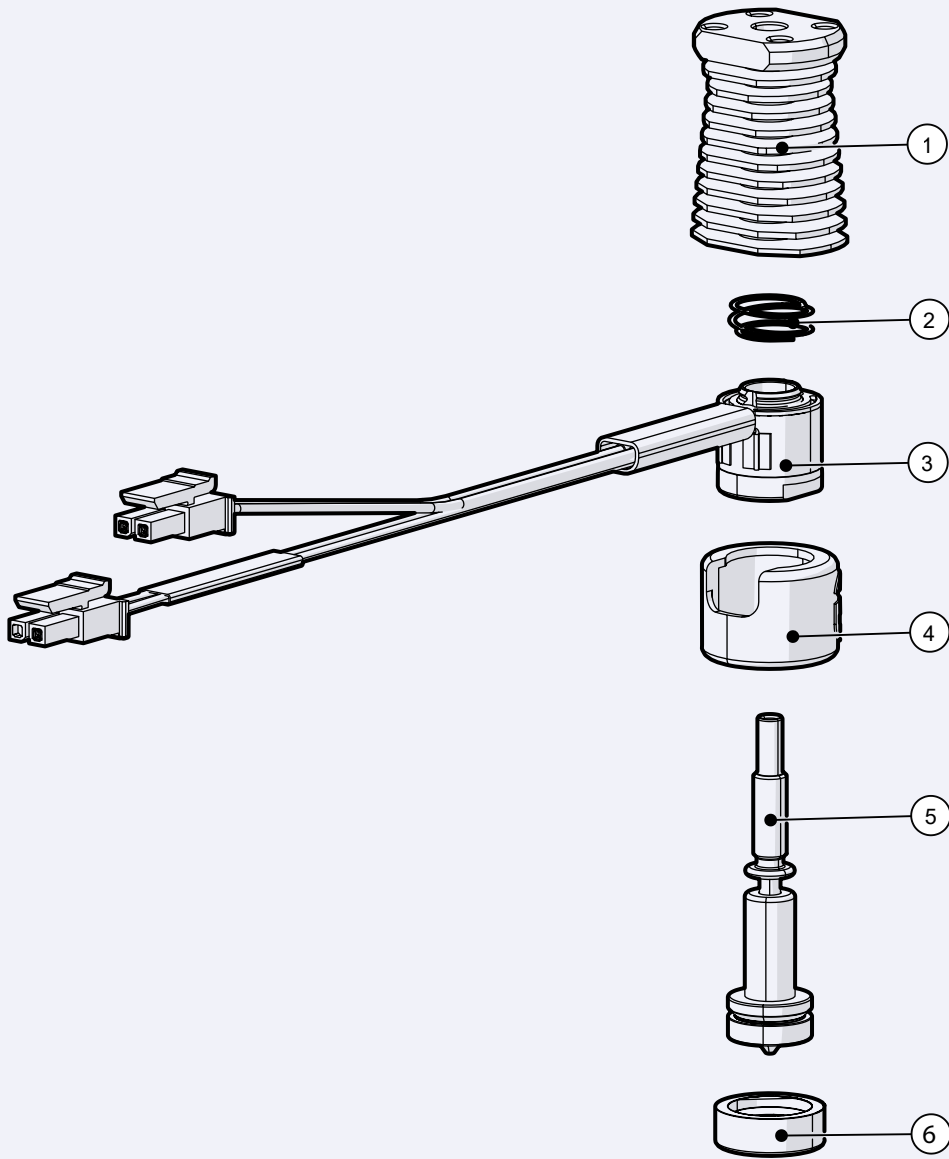
COMPLIANCE

Reach

RoHS

WEEE

EXPLODED VIEW



- 1. Revo Voron Sink
- 2. Revo Spring
- 3. Revo HeaterCore

- 4. Revo HeaterCore Sock
- 5. Revo Nozzle
- 6. Revo Nozzle Sock

CHANGELOG

- Edition 1: Published 03/03/2022
- Approved: RY 03/03/2022

