

NEMA 17 Stepper Motor for Voron 2.4 Printer OK42STH47-204A1XH User Manual

Electrical Specifications:

Rated Voltage: 2.8 V DC

Rated Current: 2.0 A/Phase

Step Angle: $1.8^{\circ} \pm 5\%$

Number of Phases: 2

Phase Resistance: $1.4 \Omega \pm 10\%$

Phase Inductance: $3.0 \text{ mH} \pm 20\%$

Holding Torque: 0.59 N·m

Insulation Class: Class B

Insulation Resistance: $\geq 100 \text{ M}\Omega$ (500 V DC)

Operating Temperature: -20°C to $+50^{\circ}\text{C}$

Mechanical Specifications:

Motor Type: NEMA 17 Stepper Motor

Model: OK42STH47-204A1XH

Frame Size: $42 \times 42 \text{ mm}$

Motor Body Length: 48 mm

Shaft Diameter: 5 mm

Shaft Length: $24 \pm 0.5 \text{ mm}$

Shaft Type: D-Cut Shaft

Mounting Hole Spacing: $31 \pm 0.1 \text{ mm}$

Mounting Holes: $4 \times \text{M3}$

Motor Weight: Approx. 0.4 kg

Number of Wires: 4

Cable Length: $1000 \pm 20 \text{ mm}$

Connector Type: XH2.54-4Y

Shaft Customization: Available



