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Technical Specifications A1

Body

| | |
|---------------|---------------------------------|
| Build Volume: | 256 x 256 x 256 mm ³ |
| Chassis: | Steel + Extruded Aluminum |

ToolHead

| | |
|-----------------------------|------------------------|
| Hot End: | All-Metal |
| Extruder Gears: | Hardened Steel |
| Nozzle: | Stainless Steel |
| Max Hot End Temperature: | 300 °C |
| Nozzle Diameter (Included): | 0.4 mm |
| Nozzle Diameter (Optional): | 0.2 mm, 0.6 mm, 0.8 mm |
| Filament Cutter: | Yes |
| Filament Diameter: | 1.75 mm |

Heatbed

| | |
|------------------------------|--|
| Compatible Build Plate: | Bambu Textured PEI Plate Bambu Cool Plate Bambu High Temperature Plate Bambu Dual-Texture PEI Plate |
| Max Build Plate Temperature: | 100 °C |

Speed

| | |
|-------------------------------|---|
| Max Speed of Toolhead: | 500 mm/s |
| Max Acceleration of Toolhead: | 10000 mm/s ² |
| Max Hot End Flow: | 28 mm ³ /s @ABS (Model: 150*150 mm single wall; Material: Bambu ABS; Temperature: 280 °C) |



Cooling



Hot End Fan:

Closed Loop Control

Supported Filament

PLA, PETG, TPU, PVA:

Ideal

ABS, ASA, PC, PA, PET, Carbon/Glass Fiber Reinforced Polymer:

Not Recommended

Sensors

Monitoring Camera:

Low Rate Camera (up to 1080P) Timelapse Supported

Filament Run Out Sensor:

Yes

Filament Odometry:

Yes

Power Loss Recover:

Yes

Filament Tangle Sensor:

Yes

Physical Dimensions

Dimensions:

465 x 410 x 430 mm³

Net Weight :

8.3 kg

Electrical Requirements

Input Voltage:

100-240 VAC, 50/60 Hz

Max Power:

1300W@220V, 350W@110V

Electronics

Display:

3.5 inches 320*240 IPS Touch Screen

Connectivity:

Wi-Fi, Bambu-Bus

Storage:

Micro SD Card

Control Interface:

Touch Screen, APP, PC Application

Motion Controller:

Dual-Core Cortex M4

Software





Cura, but certain advanced features may not be supported.

Slicer Supported OS:

MacOS, Windows

Wi-Fi

Frequency Range:

2412 MHz - 2472 MHz (CE)
2412 MHz - 2462 MHz (FCC)
2400 MHz - 2483.5 MHz (SRRC)

Transmitter Power (EIRP):

≤ 21.5 dBm (FCC)
≤ 20 dBm (CE/SRRC)

Protocol:

IEEE 802.11 b/g/n

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