



SERIES 1 2014 SPECIFICATIONS

Model: S114SA1

Printing Specifications

Technology:	FFF (Fused Filament Fabrication)
Filament Diameter:	1.75mm
Hot End Type:	Groove Mount
Nozzle Diameter:	0.4mm
Hot-End Max Temperature:	235°C (455°F)
Build volume:	1728 in3 (28.37 liters)
Build Area X:	12.0" (305mm)
Build Area Y:	12.0" (305mm)
Build Area Z:	12.0" (305mm)
Layer Resolution:	
Extreme	50 Micron
High	100 Micron
Medium	150 Micron
Low	200 Micron
Draft	250 Micron
Positional Accuracy:	
X/Y:	6.67 Microns
Z:	0.625 Microns
Print Speed:	30-120mm/s
Travel Speed:	150-250 mm/s

Physical Specifications:

Overall

Width:	18.35" (765.75mm)
Height:	22.51" (571.80mm)
Depth:	18.05" (458.67mm)
Machine Weight:	30lbs (13.60kg)

With Spool of PLA and holder attached

Width:	18.35" (765.75mm)
Height:	31.55" (801.48mm)
Depth:	20.98" (533.02mm)

Shipping Box:

Width:	20" (508mm)
Height:	24" (609.6mm)
Depth:	20" (508mm)
Shipping Weight:	35lbs (15.87kg)

Software Specifications

Slicing Software:

Supported Packages:	KISSlicer, Cura
Supported file types:	STL, OBJ, AMF

OS:

Windows	32/64 Bit 7+
Linux:	32/64 Bit 12.04+
Mac;	32/64 Bit 10.6+

Control Software

Series 1 Octoprint (included)	
Compatible: Pronterface, MatterControl, Repatier	
file type:	.GCODE .GCO

Processor

1 Ghz ARM Linux Processor	
8GB+ expandable onboard Storage	

Connectivity

Device port:	1x USB 'B'
Expansion ports:	2x USB 'A' + USB expansion bus
Wifi:	B/G/N 1Ghz
WiFi Security:	WEP/WPA/WPA2
100MB Ethernet	

Operation Envelope

Operating Voltage:	110-240 VAC
Internal Voltage:	24 VDC/5VDC
Operating Temperature:	60-99°F (15-37°C)
Operating Humidity:	5-95%
Storage Humidity:	5-95%
Storage Temp:	32-99°F(0-37°C)
Operation Noise:	40-70 dB