

MakerBot® Replicator® Z18

3D PRINTER

— USER MANUAL —



SPECIFICATIONS

PRINTING

Print Technology:	Fused deposition modeling
Build Volume:	30.0 L X 30.5 W X 45.7 H cm [11.8 L X 12.0 W X 18.0 H in]
Layer Resolution:	100 microns [0.0039 in]
Filament:	1.75 mm [0.069 in] MakerBot PLA Filament or Additional materials such as bronzeFill, copperFill and woodFill (see MakerBot Labs)
Nozzle Diameter:	0.4 mm [0.015 in]
Print File Type:	.makerbo...

SOFTWARE

Software Bundle:	MakerBot Desktop Software
3D Model File Types:	.stl, .obj, .thing
Supported OS:	Windows (7+), Mac OS X (10.7+), Linux (Ubuntu 12.04+, Fedora 19+)

PHYSICAL DIMENSIONS

Product Dimensions:	49.3 W x 56.5 D x 86.1 H cm [19.4 W x 22.2 D x 33.9 H in]
Shipping Box:	65.0 x 71.9 x 106.0 cm [25.6 x 28.3 x 41.75 in]
Printer Weight:	41 kg [90 lbs]
Shipping Weight:	52 kg [115 lbs]

TEMPERATURE

Ambient Operating Temperature:	15-24°C [60-75.2°F]
Storage Temperature:	0-38°C [32-100°F]

ELECTRICAL

Power Requirements:	100-240 VAC; 5.4-2.2 A; 50/60 Hz; 350 W
Connectivity:	USB, Ethernet, Wi-Fi
EMC Tested With:	USB and Unshielded Ethernet Cable

MECHANICAL

Construction:	Powder-coated steel with PC-ABS and aluminum composite material
Build Surface:	Injection molded PC-ABS
Stepper Motors:	1.8° step angle with 1/16 microstepping
XY Positioning Precision:	11 microns [0.0004 in]
Z Positioning Precision:	2.5 microns [0.0001 in]

CAMERA

Camera Resolution:	320 X 240
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