

# SPECIFICATIONS

# F400-S

# F400-HFR

## MAXIMUM PRINT SIZE / PRINT VOLUME

Length x Width x Height (in/mm)	14.17in x 14.37in x 12.60in (360mm x 365mm x 320mm)	14.17in x 14.37in x 12.15in (360mm x 365mm x 309mm)
Max Build Volume (cu/ft)	1.48 ft <sup>3</sup>	1.46ft <sup>3</sup>

## EXTERIOR DIMENSIONS & WEIGHTS

Length x Width x Height (in / mm)	30.6in x 28.1in x 25.25in (777.24mm x 713.74mm x 641.35mm)
Weight	85lb / 38.56kg

## PRINTER SPECIFICATIONS

Print Technology	Fused Filament Fabrication (FFF)	
Assembly Type	Pre-Assembled & Calibrated	
Layer Height / Resolution	0.05 – 0.3 mm (50 – 300 microns)	0.2 – 0.5 mm (200 – 500 microns)
Build Plate / Max Bed Temp	Heated Glass up to 140°C	
Build Plate / Nozzle Heat Up Time	<6 minutes to 100°C / <3 minutes to 200°C	
Build Plate Leveling	Automatic (via touchless IR sensor)	
Print Head	E3Dv6 All Metal Print Head; Swappable	E3D 'Volcano' All Metal Print Head
Print Nozzle	.4MM Hardened Steel Nozzle (.6MM optional)	.8MM Hardened Steel Nozzle
Build Speed	Up to 20.1 mm <sup>3</sup> /sec (.4MM Nozzle)	Up to 36.1mm <sup>3</sup> /sec (.8MM Nozzle)
Max. Print Speed / Max. Travel Speed	250mm/sec / 500mm/sec	
Extruder / Feeder Type	Bowden / Geared Feeder	
Operating Sound Level	36dBA (Closed), 41 dBA (open)	
Min. Feature Size	0.5mm <sup>2</sup>	1.0mm <sup>2</sup>
Feature Tolerances	+/- .003" per inch of size	+/- .006" per inch of size
Enclosure Internal Temperature / Filtration	45°C max / Optional HEPA / Carbon Filtration	

## MATERIALS

Filament Size / Max Spool Size	1.75MM / Up to 10kg Spool
Supported Materials	PLA, ABS, Nylon, HIPS, PVA, Polycarbonate, PC-ABS, Alloy 910, PETG, PCTPE, PMMA, t-glasse, Tritan and more

## SOFTWARE

Processing Software	Simplify3D Creator (2 seat license included)
Supported Operating Systems / File Types	Windows, Mac, Linux / .STL, .OBJ

## ONBOARD CONTROLLER / OTHER

Onboard Controller / Interface	32bit 84Mhz ARM-Based Controller / Touch display, on-board webserver via web browser
Connection Options	MicroSD Card (Included), Ethernet, Wi-Fi (via 3rd party adapter)
Electrical Input / Output	110V 6A peak / 230V 3A peak, 24v DC, 600W peak

## SERVICE & SUPPORT

Base Warranty	2 Years, Materials & Workmanship (including hotend)
Lifetime Support	Expert support to troubleshoot issues via phone & email

## PRICE (USD)

**\$4,499 + shipping**

**\$4,699 + shipping**