

SPECIFICATIONS

F400-S

F400-HFR

Price (\$USD)

\$4,499 plus shipping

\$4,699 plus shipping

PRINT SIZE / PRINT VOLUME

Length x Width x Height (in/mm)	14.0 in x 14.0 in x 12.60 in (355 MM x 355 MM x 320 MM)	14.0 in x 14.0 in x 12.15 in (355 MM x 355 MM x 309 MM)
Max Build Volume (cu/ft)	1.43 ft ³	1.38 ft ³

EXTERIOR DIMENSIONS & WEIGHT

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

PRINTER SPECIFICATIONS

Print Technology	Fused Filament Fabrication (FFF)	
Assembly Type	Pre-Assembled & Calibrated	
Layer Height / Resolution	0.02 – 0.3 MM (20 – 300 microns)	0.2 – 0.5 MM (200 – 500 microns)
Build Plate / Max Bed Temp	Heated Glass (Multizone Heater); Up to 140°C	
Build Plate / Nozzle Heat Up Time	<6 Minutes to 100°C / <3 Minutes to 200°C	
Build Plate Leveling	Automated (via Infrared Sensor) & Manual Leveling	
Print Head / Max Temp	E3Dv6 All-Metal Print Head; Swappable; up to 300°C	E3D 'Volcano' All-Metal Print Head; up to 300°C
Print Nozzle	0.4 MM Hardened Steel Nozzle (.6MM optional)	0.8 MM Hardened Steel Nozzle
Build Speed	Up to 20.1 mm ³ /sec (.4MM Nozzle)	Up to 36.1 mm ³ /sec (0.8 MM Nozzle)
Max. Print Speed / Max. Travel Speed	250 MM/sec / 500 MM/sec	
Extruder / Feeder Type	Bowden / Geared Feeder	
Operating Sound Level	36dBA (closed), 41 dBA (open)	
Min. Feature Size	0.5 MM ²	1.0 MM ²
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	1.75 MM / Up to 4 KG Spool
Supported Materials	Various brands and formulations of PLA, ABS, ASA, PETG, Polycarbonate, PC-ABS, Flexible, Polyesters, Acrylic, Soluble, and more

SOFTWARE

Processing Software	Simplify3D (2 Seat License Included)
Supported Operating Systems / File Types	Windows, Mac, Linux / .STL, .OBJ

ONBOARD CONTROLLER / OTHER

Onboard Controller / Interface	32-bit 84Mhz ARM-based controller / touch display or connect over network via web browser
Connection Options	MicroSD Card (Included), Ethernet, Wi-Fi (via 3rd party adapter)
Electrical Input / Output	110V 6A peak or 230V 3A peak / 24V DC, 600W peak

SERVICE & SUPPORT

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