Technical specifications

HP Jet Fusion 5400W Series 3D Printers

PRINTER PERFORMANCE	Technology	HP Multi Jet Fusion technology
	Effective build volume	380 x 284 x 380 mm (15 x 11.2 x 15 in)
	Building speed[9]	Up to 3380.84 cm^3/h (206.31 in^3/h)
	Layer thickness	0.09 mm (0.0035 in)
	Job processing resolution (x, y)	1200 dpi
	Print resolution (x, y)	1200 dpi
DIMENSIONS (W X D X H)	Printer	2210 x 1268 x 1804 mm (87 x 50 x 71 in)
	Shipping	2300 x 1325 x 2027 mm (91 x 52 x 80 in)
	Operating area	4100 x 3700 x 2500 mm
WEIGHT	Printer	880 kg (1940 lb)
	Build unit	140.5 kg (309.7 lb)
	Shipping	1037.5 kg (2287 lb)
NETWORK[10]	Gigabit Ethernet (10/100/1000Base-T), supporting the following standards: TCP/IP, DHCP (IPv4 only), TLS/SSL	
PROCESSOR AND MEMORY	Processor	Intel® Core™ i7 7770 (3.6 GHz, up to 4.2 GHz)
	Memory	32 GB DDR4
HARD DISK	1TB HDD SED (AES-256 encrypted)	
	1TB SDD SED (AES-256 encrypted), TGC-OPAL 2.01 compliant	
SOFTWARE	Compatible software	HP 3D Build Manager, HP 3D Command Center HP 3D Center HP 3D API[3]
	Supported file formats	3MF, STL, OBJ, and VRML (v2.0)
	Certified third-party software	Autodesk Netfab (NF) and Materialise's magics (MTLS)
POWER	Consumption	12 kW[11]
	Requirements	380-415 V (line-to-line), 50 A max, 50/60 Hz 200-240 V (line-to-line), 80 A max, 50/60 Hz
CERTIFICATIONS AND STATEMENT	Safety	IEC 60950-1+A1+A2 compliant; United States and Canada (UL listed); EU (LVD and MD compliant, EN 60950-1, EN 12100-1, EN 60204-1, and EN 1010)
	Electromagnetic	Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), Korea (KCC)
	Environmental statement	REACH compliant
WARRANTY & SERVICE COVERAGE INCLUDED	One-year limited hardware warranty	
ENVIRONMENTAL SPECIFICATIONS	Temperature during installation	20-30ºC (68-86ºF)
	Operating temperature	20-30ºC (68-86ºF)
	Recommended temperature for best performance	20-30ºC (68-86ºF)
	Storage temperature	-25 to 55ºC (-13 to 131ºF)
	Operating humidity	30-80% without condensation
	Storage humidity	<90% without condensation

HP 3D Printing materials have their own restrictions published in material data sheets.

HP Jet Fusion 5420W 3D Processing Station

FEATURES	Automated mixing and loading with ultrasonic sieving and accessible sieve mesh; semi-manual unpacking; high-temperature unpacking; automated external storage tank; optional trained self-service deep-cleaning; optional cooling unit	
DIMENSIONS (W X D X H)	Processing station	2990 x 934 x 2400 mm (117.7 x 36.8 x 94.5 in)
	Shipping	2389 x 1176 x 2182 mm (94 x 46.3 x 85.9 in)
	Operating area	3190 x 2434 x 2500 mm (125.6 x 95.8 x 99 in)
WEIGHT	Processing station	485 kg (1069 lb)
	Loaded	724 kg (1596 lb)
	Shipping	620 kg (1366 lb)
POWER	Consumption	2.6 kW (typical)
	Requirements	Input voltage single phase 200-240 V (line-to-line) 19 A max, 50/60 Hz (line-to-neutral) 14 A max, 50 Hz
CERTIFICATIONS AND STATEMENT	Safety	UL 2011, UL508A, NFPA 70/ NFPA 79, C22.2 NO. 14-13 compliant; United States and Canada (UL listed); EU (MD compliant, EN 60204-1, EN 12100-1, EN 1127-1, EN-ISO 11201, and EN 1010)
	Electromagnetic	Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), Korea (KCC)
	Environmental statement	REACH compliant
WARRANTY & SERVICE COVERAGE INCLUDED	One-year limited hardware warranty	
ENVIRONMENTAL SPECIFICATIONS	Temperature during installation	20-30ºC (68-86ºF)
	Operating temperature	20-30ºC (68-86ºF)
	Recommended temperature for best performance	20-30ºC (68-86ºF)
	Storage temperature	-25 to 55ºC (-13 to 131ºF)
	Operating humidity	30-80% without condensation
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Ordering information

PRINTER	5C4A2A	HP Jet Fusion 5420W 3D Printer
ACCESSORIES	6Q2U8A	HP Jet Fusion 5420W 3D Processing Station
	6Q2U7A	HP Jet Fusion 5420W 3D Build Unit
	2W883A	HP Jet Fusion 5200 Series 3D Automatic Unpacking Station
	2M7W6A	HP Jet Fusion 5200 Series 3D Automatic External Tank
	4QG11A	HP Jet Fusion 5200 3D Automatic External Tank Starter Kit
	M0P54B	HP Jet Fusion 5200/4200 Series 3D External Tank 5-units Bundle
	5ZR21A	HP Jet Fusion 5200 3D Semaphore
	4QG10A	HP Jet Fusion 5200 3D Natural Cooling Unit
	5ZR22A	HP Jet Fusion 5200 3D Natural Cooling Unit Starter Kit
	5ZR20A	HP Jet Fusion 5210 3D Processing Station Installation Kit
	3WL35A	HP Jet Fusion 5200/4200 Series 3D Material Unloading Kit[12]
	3FW24A	HP Jet Fusion 5200/4200 Series 3D Material Loading 3-units Bundles[12]
	UB8N4E	HP 3D Long Term Consumable Cleaning Kit Service for HP Jet Fusion 5200 Series 3D Processing Station/Build Unit
	HP OfficeJet Pro 7740 Wide Format All-in-One Printer	For more information on availability in your region, please check with your local HP Amplify 3D Printing Specialist
RECOMMENDED THIRD-PARTY ACCESSORIES	Hovmand Forklift 5200	Please consult with your local HP Amplify 3D Printing Specialist
	Girbau DY130 Dyeing Solutions[13]	Please consult with your local HP Amplify 3D Printing Specialist
ORIGINAL HP PRINTHEADS	6J0B3A	HP 3D710W Printhead
HP 3D LONG-TERM CONSUMABLES	8VJ68A	HP Jet Fusion 5200/4200 Series 3D Vacuum Pump Filter
	2X0E1A	HP Jet Fusion 5200 Series 3D Automatic Unpacking Station E-cabinet Fan Filter
	2X0E2A	HP Jet Fusion 5200 Series 3D Automatic Unpacking Station Pneumatic Filter
	2X0E3A	HP Jet Fusion 5200 Series 3D Automatic Unpacking Station Top Lid Filter

ORIGINAL HP AGENTS	6J0B5A	HP 3D710W 5L Fusing Agent
	V1Q64A	HP 3D700 5L Detailing Agent
OTHER SUPPLIES	V1Q66A	HP 3D600 Cleaning Roll
ORIGINAL HP 3D HIGH REUSABILITY MATERIALS[14]	6M032A	HP 3D High Reusability PA 12 W 300L (130 kg)[14] Production Material
HP JET FUSION 3D SOLUTION SERVICES[15]	U34YZE	HP 3D Ready-to-Print Service for HP Jet Fusion 5420W 3D Printing Solution
	U34Z0E	HP 3D Installation Service for HP Jet Fusion 5420W 3D Printer
	U34Z1E	HP 3D Installation Service for HP Jet Fusion 5420W 3D Processing Station
	U34Z2E	HP 3D Train-to-Maintain Training Service for HP Jet Fusion 5420W 3D Printing Solution