

HP DesignJet XL 3800 36-in Multifunction Printer



Drive efficient workflows with the fastest color printer in its class¹



PRODUCTIVE—Speed and color in one device

- Keep projects moving productively with the fastest color printer at 6 A1 color pages/min in its class.¹
- Produce excellent CAD lines and graphics applications in monochrome and color with one large-format device with HP Flex Tech Inks.
- No time is lost waiting for printouts—this printer delivers the first page out in 20 seconds.²

EFFICIENT—Simple and optimized

- Give users an easy one-click copy and scan experience via the intuitive 15-inch front panel.
- Optimize space with a large-format printer that is 20% more compact.³
- Take sustainability further with cardboard-based cartridges⁴ and printer made with 33% recycled plastic.⁵

SECURE—Protect your printer, data, and network

- Defend your network and data with the world's most secure large-format printer.⁶
- Protect your printer from cyberthreats with HP Wolf Enterprise.
- Monitor the status of your printer with Command Center's centralized dashboard.



Technical specifications

Print	
First page out	20 sec ¹
Print speed	360 A1/hr 10 sec/A1 6 A1/min ²
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Ink types	Pigment-based (C, M, Y, K)
Ink drop	6.5 pl (C, M, Y); 13.5 (K)
Printheads	6 (2x KM, 2x CY, 2x MK)
Line accuracy	±0.1% ³
Minimum line width	0.02 mm (PDF addressable)
Multifunction capabilities	
Scan speed	Scan: Up to 7.62 cm/sec (color, 200 dpi), up to 25.4 cm/sec (grayscale, 200 dpi) Copy: Up to 15.24 cm/sec (color, 200 dpi), up to 25.4 cm/sec (grayscale, 200 dpi)
Scan resolution	Up to 600 dpi
Technology	Sheetfed, CIS (Contact Image Sensor)
Scan format	JPEG, TIFF, multipage PDF
Scan destinations	USB, shared network folder
Maximum scan length	5 m (PDF), 16 m (TIFF), 8 m (JPEG) ⁴
Thickness	Up to 0.8 mm
Media	
Handling	Spindle-less drawers, automatic front-loading roll feed, integrated output stacker ⁵ , automatic horizontal cutter Scanner: straight-through scan paper path for sheet and cardboard originals
Roll size	279 to 914-mm width, up to 200-m length, 3-in core
Maximum roll diameter	180 mm
Grammage	60 to 328 g/m ²
Thickness	Up to 0.5 mm
Applications	
	Line drawings; Maps; Orthophotos; Presentations; Renderings
Memory	128 GB (file processing) ⁶
Hard disk	256 GB SSD (AES-256 encrypted)
Connectivity	
Interfaces	Gigabit Ethernet (1000Base-T), supporting the following standards: TCP/IP, DHCP/AutoIP (IPv4, IPv6), DHCPv6, SNMP (v1, v2c, v3), Apple Bonjour Compatible, WS Discovery, Embedded Web Server (HTTPS), IPsec, Raw IP printing (9100), LPD, IPP, WS print, NTLM, SMB (v1/CIFS, v2, v3), SSL/TLS, 802.1X authentication (LEAP, PEAP, EAP-TLS), DFS
Native print languages	Adobe PDF 1.7, HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4
Printing paths	Direct printing from USB flash drive, print from network shared folder, FTP printing, HP driver for Windows, HP Print Service for Android, Apple AirPrint driver for macOS and iOS, HP Print for Chrome OS, HP Click, HP app for iOS and Android
Drivers	PDF, raster, and HP-GL/2 drivers for Windows, AirPrint for macOS
Security features	
	HP SureStart, Secure Boot, Whitelisting, HP Runtime Intrusion Detection, HP Connection Inspector, TPM, Role Based Access Control, LDAP and Kerberos authentication, SNMPv3, HTTPS, Secure-IPP, IPsec/Firewall, Certificates management, 802.1X, TLS 1.0/1.1/1.2, HP Web Jetadmin compatible, HP Security Manager compatible, Secure Disk erase (DoD 5220.22-M), Secure File erase, self-encrypting HDD, encrypted PIN printing, Syslog security logging
Dimensions (W x D x H)	
Printer	1603 x 614 x 1225 mm
Shipping	1705 x 766 x 1265 mm
Weight	
Printer	182 kg
Shipping	230 kg
What's in the box	
	HP DesignJet XL 3800 Multifunction Printer, printhead (x6), introductory ink cartridges (x4), scanner calibration sheet, documentation, power cords, maintenance cartridge, stacker, basket (at rear), control panel, monitor arm
HP Software and solutions	
	HP Click for Windows and macOS, HP app for Windows, macOS, and mobile, HP Web Jetadmin, HP Security Manager, HP Easy Start, HP Print Scan Doctor, Mobile iOS printing, MPS, HP Command Center
Environmental ranges	
Recycled plastic in printer	33%
Operating temperature	5 to 40°C
Operating humidity	20 to 80% RH
Storage temperature	-25 to 55°C
Acoustics	
Sound pressure	50 dB(A) (normal print), <30 dB(A) (idle), <20 dB(A) (sleep)
Sound power	6.8 B(A) (normal print), <4.8 B(A) (idle), <3.8 B(A) (sleep)
Power	
Consumption	<220 W (printing + scanning), 50 W (ready), <2.2 W ⁷ (sleep) (<14 W ⁸ with DFE), 0.2 W (off)
Requirements	Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 3 A

Certification	
Safety	USA and Canada (CSA certified); EU (LVD and EN 62368-1 compliant); Russia, Belarus, Khazakistan (EAC); Ukraine (UA); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYPE); India (BIS)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC)
Environmental	ENERGY STAR, EPEAT, UL ECOLOGO® certified inks, CE marking (Including WEEE, RoHS, REACH, ErP). In compliance with applicable WW RoHS materials restriction requirements.
Warranty	Three-years' limited parts warranty. Warranty and support options vary by product, country and local legal requirements.

Ordering information

Product	
7QR88B	HP DesignJet XL 3800 36-in Multifunction Printer
Accessories	
8SW00A 8SW00AAE 8SW02A 8SW02AAE	HP SmartStream USB Preflight Manager HP SmartStream Preflight Manager HP SmartStream Print Controller USB for HP XL 3000 Printer series HP SmartStream Print Controller for HP XL 3000 Printer series
Original HP printing supplies	
3EE18A 455B7A 455B8A 455B9A 455C0A 7K5U5A 7K5U6A 7K5U7A	HP 768 DesignJet Maintenance Cartridge HP 768B 500-ml Magenta DesignJet Ink Cartridge HP 768B 500-ml Yellow DesignJet Ink Cartridge HP 768B 500-ml Cyan DesignJet Ink Cartridge HP 768B 500-ml Black DesignJet Ink Cartridge HP 769 Black/Magenta 1-2 DesignJet Printhead HP 769 Cyan/Yellow 3-4 DesignJet Printhead HP 769 Magenta/Black 5-6 DesignJet Printhead
Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit https://hp.com/go/OriginalHPInks	
Original HP large format printing materials	
HP 20-lb Bond with ColorPRO Technology, 3-in Core (recyclable) ⁹ HP Universal Bond Paper, 3-in Core (ColorPRO Technology) (FSC® certified) ¹⁰ (recyclable) ⁹ HP Bright White Inkjet Paper, 3-in Core (ColorPRO technology) (FSC® certified) ¹⁰ (recyclable) ⁹ HP Universal Coated Paper, 3-in Core (FSC® certified) ¹⁰ (recyclable) ⁹ HP Everyday Matte Polypropylene, 3-in Core (recyclable) ⁹	
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com .	

¹ Printer in Ready state, printing from driver and Adobe Reader on a PC with 2.6 GHz Core i7, 16 GB RAM.
² Mechanical printing time. Reprint from the printer queue. Printed in Fast mode, using HP Bright White Inkjet Paper (bond) and Original HP Inks.
³ ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with Original HP Inks.
⁴ Scanned at 200 dpi.
⁵ From A4/A to A0/E, with up to 100 A1/D-size capacity.
⁶ Based on 8 GB RAM.
⁷ Excluding Type 2 DFE (Digital Front End) as defined in Energy Star® Product Specification for Imaging Equipment version 3.1.
⁸ Total power measured in sleep mode including the Digital Front End contained on the product.
⁹ Can be recycled through commonly available recycling programs.
¹⁰ BMG trademark license code FSC®-C115319, see <http://www.fsc.org>. HP trademark license code FSC®-C017543, see <http://www.fsc.org>. BMG trademark license code PEFC™/29-31-261, see <http://www.pefc.org>. HP trademark license code PEFC™/29-31-198, see <http://www.pefc.org>. Not all FSC®- or PEFC™-certified products are available in all regions.

