# HP DesignJet XL 3800 36-in Multifunction Printer with 3-year Warranty

## Drive efficient workflows with the fastest color printer in its class[1]



*Product image may differ from actual product

### PRODUCTIVE—Speed and color in one device

- Keep projects moving productively with the fastest color printer at 6 D 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 15.6-inch front panel.
- Optimize space with a large-format printer that is 20% more compact.[3]
- Take sustainability further with cardboard-based cartridges[4] 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.

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: http://www.hp.com/learn/ds

## Messaging Footnotes

[1]Based on comparison of published speed specifications, commissioned by HP and performed by Sogeti in February 2023. HP DesignJet XL 3800 top speed of 6 D color pages per minute compared to top speed specifications of mono and color printers from different manufacturers comparable in terms of price range, speed, and market relevance, based on their worldwide market share as of February 2023 according to IDC. Further details available upon request.
[2]When the printer is idle and ready, performing a reprint in Fast print mode on plain paper from history in job queue after 35 seconds from the last plot and less than 3 hours.
[3]Based on comparison of operational footprint, commissioned by HP and performed by Sogeti in February 2023. HP DesignJet XL 3800 operational footprint compared to operational footprint of reference competitor in TDP low volume market segment. Further details available upon request.
[4]The ink cartridge outer carton is 100% recyclable through local cardboard/paper programs. Inner materials including the ink bag are 55% recyclable and can be returned free of charge to the HP Planet Partners program for reprocessing of plastic parts. For take-back of ink bag/printhead/prints, visit https://www.hp.com/recycle to see how to participate and for HP Planet Partners program availability; program may not be available in your jurisdiction.
[5]Percentage of recycled plastic is calculated by plastic total weight.
[6]Based on comparison of published security specifications, commissioned by HP and performed by Sogeti in February 2023. Comparison of HP DesignJet XL 3800 security features and competitors from different manufacturers that represent the majority of TDP low volume market share worldwide as of February 2023. Further details available upon request.

For more information, please visit https://www.hp.com/go/designjet-xl-3800

POWERED BY Adobe PDF Print Engine   AirPrint   CE   ENERGY STAR   epeat   Windows 11 Compatible

Datasheet

# Technical specifications

## Print

| | |
|---|---|
| First page out | 20 sec[1] |
| Print speed | 360 D/A1/hr; 10 sec/D/A1; 6 D/A1/min[2] |
| Print resolution | Up to 2400 x 1200 optimized dpi |
| Technology | HP Thermal Inkjet |
| Ink types | Pigment-based (C, M, Y, K) |
| Print Cartridges/Bottle, Number | 4 (cyan, magenta, yellow, black) |
| Ink drop | 6.5 pl (C, M, Y); 13.5 (K) |
| Print cartridge/bottle volume | 500 ml |
| Printheads | 6 (2x KM, 2x CY, 2x MK) |
| Line accuracy | ±0.1%[3] |
| Minimum line width | 0.0008 in (0.02 mm) (PDF addressable) |

## Scan and copy

| | |
|---|---|
| Linear scan speed | Scan: Up to 3 in (7.62 cm)/sec (color, 200 dpi), up to 10 in (25.4 cm)/sec (grayscale, 200 dpi); Copy: Up to 6 in (15.24 cm)/sec (color, 200 dpi), up to 10 in (25.4 cm)/sec (grayscale, 200 dpi) |
| Scan resolution | Up to 600 dpi |
| Scan format | JPEG, TIFF, multipage PDF |
| Scan destinations | USB, shared network folder, email |
| Maximum scan length | 16 ft (5 m) (PDF), 52 ft (16 m) (TIFF), 26 ft (8 m) (JPEG)[4]; |
| Technology | Sheetfed, CIS (Contact Image Sensor) |

## Media

| | |
|---|---|
| Applications | Line drawings; Maps; Orthophotos; Presentations; Renderings |
| 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 |
| Maximum media width | 36 in (914 mm) |
| Media rolls | 1+1 (2 drawers) |
| Roll size | 11 to 36-in (279 to 914-mm) width, up to 656-ft (200-m) length, 3-in core |
| Maximum roll weight | 33 lb (15 kg) |
| Maximum roll diameter | 7 in (180 mm); |
| Media Weight Recommended Thickness | |
| Media types | Bond and coated paper, technical paper, film, photographic paper, backlit, self-adhesive, banner and sign materials |

## Embedded controller

| | |
|---|---|
| Memory | 128 GB (file processing)[6] |
| Hard disk | 256 GB SSD (AES-256 encrypted) |
| Native print languages | Adobe PDF 1.7, HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4 |

## 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 |

| | |
|---|---|
| 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), Self-encrypted non-volatile memory, Encrypted PIN printing, Syslog security logging |

## Dimensions (W x D x H)

| | |
|---|---|
| Product | 63 x 24 x 48 in (1603 x 614 x 1225 mm) |
| Shipping | 67 x 30 x 50 in (1705 x 766 x 1265 mm) |

## Weight

| | |
|---|---|
| Product | 401 lb (182 kg) |
| Shipping | 507 lb (230 kg) |

## Included

| | |
|---|---|
| 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 inOS printing, MPS, HP Command Center |

## Environmental ranges

| | |
|---|---|
| Operating temperature | 41 to 95°F (5 to 40°C) |
| Operating humidity | 20 to 80% RH |
| Operating altitude | 10000 ft (3000 m) |
| Storage temperature | -13 to 131°F (-25 to 55°C) |
| Recycled plastic in printer | 33% |

## Acoustics

| | |
|---|---|
| Sound pressure | Printing: 50 dB(A) (normal print), <30 dB(A) (idle), <20 dB(A) (sleep) |
| Sound power | Printing: 6.8 B(A) (normal print), <4.8 B(A) (idle), <3.8 B(A) (sleep) H |

## 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, Khazakstan (EAC); Ukraine (UA); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYCE); 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-year limited hardware warranty. Warranty and support options vary by product, country and local legal requirements. |

# Ordering information

## Product

| | |
|---|---|
| 7QR88H | HP DesignJet XL 3800 36-in Multifunction Printer |
| TAA Compliance | China(B19, B1K) |

### Accessories

| | |
|---|---|
| 2NH46AAE | HP SmartStream Document Organizer Module |
| 2NH47AAE | HP SmartStream Pixel Analysis Module |
| 8SW00A | HP SmartStream Preflight Manager USB SW |
| 8SW00AAE | HP SmartStream Preflight Manager E-LTU |
| 8SW02A | HP SmartStream XL 3000 USB SW |
| 8SW02AAE | HP SmartStream XL 3000 E-LTU |

### Original HP printing supplies

| | |
|---|---|
| 3EE18A | HP 768 DesignJet Maintenance Cartridge |
| 4S5B3A | HP 768 Magenta 500-ml DesignJet Ink Cartridge |
| 4S5B4A | HP 768 Yellow 500-ml DesignJet Ink Cartridge |
| 4S5B5A | HP 768 Cyan 500-ml DesignJet Ink Cartridge |
| 4S5B6A | HP 768 Black 500-ml DesignJet Ink Cartridge |
| 7K5U5A | HP 769 Black Magenta 1-2 DesignJet Printhead |
| 7K5U6A | HP 769 Yellow Cyan 3-4 DesignJet Printhead |
| 7K5U7A | 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.

HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit http://www.hp.com/go/cpc

## Specification Footnotes

[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 (73ºF), 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.

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