HP DesignJet XL 3800 36-in Multifunction Printer (7QR88G)



Overview

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

Empower teams with an efficient printing experience. The HP DesignJet XL 3800 Printer is the fastest in its class at 6 D color pages per minute.[1] Workflows are optimized, and you can rest easy with the world's most secure large-format printer.[6]

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]

SECURE—Protect your printer, data, and network

Defend your network and data with the world's most secure large-format printer.[6]

EFFICIENT—Simple and optimized

Give users an easy one-click copy and scan experience via the intuitive 15-inch front panel.

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[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.

[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.

Specifications

Print quality color (best)	Up to 2400 x 1200 optimized dpi
Functions	Print, copy, scan
Connectivity, standard	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. No Wi-Fi module or capability.
Software included	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
Technical features	6D per minute;20 sec first page out;High image quality;Compact design;1-click scan/copy;100 pages stacker;HP Smartstream;HP Wolf Enterprise security;HP Command Center
Energy star certified	Yes
Scan file format	JPEG, TIFF, multipage PDF
Scan input modes	USB, shared network folder, email
Scanner type	Sheetfed, CIS (Contact Image Sensor)
Minimum dimensions (W x D x H)	1603 x 614 x 1225 mm
Minimum dimensions (W x D x H)	63 x 24 x 48 in
Weight	182 kg
Weight	401 lb
Power consumption	<220 W (printing + scanning), 50 W (ready), <2.2 W[7] (sleep) (<14 W[8] with DFE), 0.2 W (off)
Environmental certification	ENERGY STAR, EPEAT, UL ECOLOGO® certified inks, CE marking (including WEEE, RoHS, REACH, ErP). In compliance with applicable WW RoHS materials restriction requirements.
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
Manufacturer Warranty	Three-year limited hardware warranty. Warranty and support options vary by product, country and local legal requirements.

Additional specifications

Acoustic power emissions (active, printing)	6.8 B(A) (normal print), <4.8 B(A) (idle), <3.8 B(A) (sleep)
Acoustic pressure emissions	50 dB(A) (normal print), <30 dB(A) (idle), <20 dB(A) (sleep)
Additional information about HP	http://www.hp.com
Additional information about HP in the countries	hp.com
Copy reduce / enlarge settings	25 to 400%, at 1% increment
Country of origin	Made in Singapore
Datasheet photo 1	AHID/26941af4f8a74425e265cc3de2486195518e9936
Dynamic security	Dynamic security enabled printer
Electromagnetic compatibility	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)
End of Life CO2e (kg)	15
Energy Usage CO2e (kg)	394
Finished output 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
First page out	20 sec[1]
HP ePrint capability	No
Ink drop	6.5 pl (C, M, Y); 13.5 (K)
Ink types	Pigment-based (C, M, Y, K)
Internal Storage	500 GB removable HDD (AES-256 encrypted, FIPS 140-2 Level 2 certified)
Line accuracy	±0.1%[3]
Linear 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)
Linear scan speed	Scan: Up to 3 in/sec (color, 200 dpi), up to 10 in/sec (grayscale, 200 dpi); Copy: Up to 6 in/sec (color, 200 dpi), up to 10 in/sec (grayscale, 200 dpi)
Maximum media thickness	Up to 0.8 mm
Maximum scan length	50 m (PDF), 16 m (TIFF), 8 m (JPEG)[4]
Maximum scan length	164 ft (PDF), 52 ft (TIFF), 26 ft (JPEG)[4]
Media sizes standard (metric rolls)	279 to 914-mm width, up to 200-m length, 3-in core
Media sizes standard (sheets, rolls)	11 to 36-in width, up to 656-ft length, 3-in core
Media thickness	Up to 0.03 in
Media thickness	Up to 19.7 mil

Media thickness (metric)	Up to 0.5 mm
Media types	Bond and coated paper, technical paper, film, photographic paper, backlit, self-adhesive, banner and sign materials
Media weight, recommended	60 to 328 g/m²
Media width, maximum	36 in
Media width, maximum	914 mm
Memory	128 GB (file processing)[6]
Model size	36 in
Model size	914 mm
Network ready	Standard
Non-Operating Humidity Range	0 to 95% RH
Operating humidity range	20 to 80% RH
Operating temperature range	41 to 95°F
Operating temperature range	5 to 40°C
Orderable supplies	HP Original Ink: HP 768 cartridges (Black, Cyan, Magenta, Yellow), and HP 769 printhead
Package dimensions (W x D x H)	67 x 30 x 50 in
Package dimensions (W x D x H)	1705 x 766 x 1265 mm
Package weight	507 lb
Package weight	230 kg
Playbook TS icon connectivity	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08226587.png
Playbook TS icon dimensions AiO	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192862.png
Playbook TS icon display AiO	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08727006.png
Post consumer recycled plastic in hardware by weight of plastic	33%
Power	Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 3 A
Print Cartridge/Bottle, Color(s)	Cyan, magenta, yellow, black
Print Cartridges/Bottle, Number	4 (cyan, magenta, yellow, black)
Print Technology	Ink
Print cartridge/bottle volume delivered	500 ml
Print heads	6 (2x KM, 2x CY, 2x MK)
Print languages	Adobe PDF 1.7, HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4
Print speed	360 A1/hr; 10 sec/A1; 6 A1/min[2]
Print speed	360 D/hr; 10 sec/D; 6 D/min[2]
Print technology	HP Thermal Inkjet
Printer drivers included	PDF, raster, and HP-GL/2 drivers for Windows, AirPrint for macOS

Printing path	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
Product logos	Adobe PDF Print Engine 4; Adobe PostScript 3; AirPrint; CE marking; ENERGY STAR; EPEAT; Windows 11 Compatible
Production CO2e (kg)	3149
Recommended media	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]
Roll external diameter	180 mm
Roll external diameter	7 in
Roll maximum input	1+1 (2 drawers)
Roll maximum weight	15 kg
Roll maximum weight	33 lb
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)
Scan resolution, optical	Up to 600 dpi
Scan size, minimum	210 x 297 mm
Scan size, minimum	8.2 x 11.6 in
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-encrypted HDD (FIPS 140-2), Encrypted PIN printing, Syslog security logging, Removable HDD
Storage temperature range	-13 to 131°F
Storage temperature range	-25 to 55°C
Supported Primary Applications	Line drawings; Maps; Orthophotos; Presentations; Renderings
Technology logo 1	AHID/0b758bb9d473d7d543926389e03e7261ecd69a52
Technology logo 2	AHID/cce10ebbd356d96074154a12dc62032a64b058f3
Technology logo 3	AHID/60d2a69d632efba286c546dd6a2fcfdb5c3c9e1f
Technology logo 4	AHID/cd33e848211911e4369b10008531951b0aa3cde7
Technology logo 5	AHID/c51bf05ff1023abad6fda02c5a970763b91946f4
Technology logo 6	AHID/461085c1b740909bae1c0b88638e669f7e1c8782
Theoretical minimum line width	0.02 mm (PDF addressable)
Theoretical minimum line width	0.0008 in (PDF addressable)

Total CO2e (kg)	4320 *(A product carbon footprint is defined as the total amount of greenhouse gases emitted directly and indirectly by a product over its lifetime. Greenhouse gas emissions are reported as global warming potential for 100-year time horizon (GWP-100) in units of CO2 equivalence. Calculations are done in accordance with ISO 14040 & ISO 14044. Individual values may not sum to total due to rounding.)*
Transportation CO2e (kg)	764
UNSPSC code	43212110
UPC number	(460) 198701770718; (BCB) 196786770258
Web address for additional information	https://www.hp.com/go/designjet-xl-3800

Services

HP Care Pack Services

★ : Recommended

Graphics Solutions Care Pack Services

HP 1 year Post Warranty NBD Hardware Support w/DMR/MKR for HP DesignJetXL 3800 MFP (H-G Series)	U67PWPE
HP 2 year Post Warranty NBD Hardware Support w/DMR/MKR for HP DesignJetXL 3800 MFP (H-G Series)	U67PXPE
HP 4 year Next Business Day Hardware Support w/DMR/MKR for HP DesignJetXL 3800MFP (H-G Series)	U67PTE
HP 5 year Next Business Day Hardware Support w/DMR/MKR for HP DesignJetXL 3800MFP (H-G Series)	U67PVE
HP Excessive Installation Service PageWide XL (NASPO Only)	U46TZE
HP Installation and Network Setup Service for HP DesignJetXL 3600 and 3800 MFP	UC0J5E
HP Maintenance Kit Replacement HW Service for DesignJet XL 3800 MFP (PMK2)	U67RFE

Ink/Toner/Paper/Printer Supplies

Ink Supplies

★ : Recommended

HP Graphic Arts Inks/Printheads

HP 768 500-ml Black DesignJet Ink Cartridge	4S5B6A
HP 768 500-ml Cyan DesignJet Ink Cartridge	4S5B5A
HP 768 500-ml Magenta DesignJet Ink Cartridge	4S5B3A
HP 768 500-ml Yellow DesignJet Ink Cartridge	4S5B4A
HP 768 DesignJet Maintenance Cartridge	3EE18A
HP 769 Black/Magenta 1-2 DesignJet Printhead	7K5U5A
HP 769 Cyan/Yellow 3-4 DesignJet Printhead	7K5U6A
HP 769 Magenta/Black 5-6 DesignJet Printhead	7K5U7A

Software

Printing and Imaging Software

★ : Recommended

Printer Management Software

HP SmartStream Document Organizer Module	2NH46AAE
HP SmartStream Pixel Analysis Module	2NH47AAE
HP SmartStream Preflight Manager	8SW00AAE
HP SmartStream Print Controller USB for HP XL 3000 Printer series	8SW02A
HP SmartStream Print Controller for HP XL 3000 Printer series	8SW02AAE
HP SmartStream USB Preflight Manager	8SW00A
HP SmartStream Workflow Management Module	6UA02AAE

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