HP DesignJet T850 36-in Multifunction Printer (2Y9H2A)



Overview

The world's easiest A4/A-A0/E printing experience to maximize your team's agility[1]

Maximize your team's agility with the world's easiest A4/A to A0/E experience.[1] Simplify multi-size printing with the integrated input tray. Streamline workflows with HP Click.[3] And meet office and environmental needs with this compact plotter.

VERSATILE—Effortless, high-quality results across all formats

Print it all—from renders and CAD drawings to educational posters and durable retail signage, you'll see high-quality results across print sizes with pigment-based HP Flex Tech Inks.

CONNECTED—Secure and seamless collaboration

Simplify printing with HP Click[3]—available as a driver and app. Save time with real-print preview and automatic error detection.

SUSTAINABLE—Save energy[4] and minimize waste[5][6]

Invest in a compact, robust plotter made with at least 35% recycled plastic.[5]

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[1] Based on test results using HP Click with the HP DesignJet T850. This solution enables printing in fewer steps compared to main competitor printing solutions. Printing a 5-page mixed job set with A1 and A3 takes 3 steps using HP Click vs. 12 steps with competitor A and 8 steps with competitor B. Testing performed by Sogeti, April 2023. Detailed test report is available upon request.

[3] HP One-click printing with HP Click software. HP Click software is only compatible with Original HP ink supplies. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files.

[4] Declared %RCP content is based on the quantity and weight of parts made with RCP resin over the total plastic parts.

[5] Program availability varies. See https://www.hp.com/go/recycle

Specifications

Print quality color (best)	Up to 2400 x 1200 optimized dpi
Functions	Print, copy, scan
Connectivity, standard	Gigabit Ethernet (1000Base-T), Wi-Fi 802.11b/g/n
Software included	HP Click App, HP Click Driver for Windows 11, HP app for Windows, macOS, Android, and iOS
Technical features	A3 input tray;1-click scan/copy;130/300 ml cartidges;Auto-power on/off scheduler;Max. resolution 2400 x 2400 dpi;Sheet organizer accessories;HP Wolf Pro Security;HP Flex Tech Inks
Energy star certified	Yes
Scan file format	JPEG, PDF, TIFF
Scan input modes	Scan to email, network, and USB. Scan to cloud, computer, and mobile through HP app.
Scanner type	Sheetfed, CIS (Contact Image Sensor), media jam detection sensor, front feed scanning method
Dimensions (W x D x H)	1407 x 701 x 967 mm
Dimensions (W x D x H)	55.4 x 27.6 x 38.1 in
Weight	60 kg
Weight	132.3 lb
Power consumption	35 W (printing), <11 W (ready), <3.5 W (sleep), <0.1 W (off). Auto-scheduled printer on/off usage.
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 T850 MFP, printheads, introductory ink cartridges, printer stand, spindle, guide, poster, warranty flyer, power cord
Manufacturer Warranty	One-year limited hardware warranty. Warranty and support options vary by product, country and local legal requirements.

Additional specifications

Acoustic power emissions (active, printing)	5.8 B(A) (operating), <3.4 B(A) (idle)
Acoustic pressure emissions	42 dB(A) (operating), <16 dB(A) (idle)
Additional information about HP	http://www.hp.com
Additional information about HP in the countries	hp.com
Cartridge volume	130 ml; 300 ml
Color ink technology	Pigment
Copy reduce / enlarge settings	25 to 400% at 1% increment
Datasheet photo 1	https://hp.widen.net/content/xi2dwlkyrv/png/HP%20Designjet%20T850%20MFP%20-%20Front%20AEC_4636821.png
Dynamic security	Dynamic security enabled printer
Electromagnetic compatibility	Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (RED Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Korea (KCC)
End of Life CO2e (kg)	21.472
Energy Usage CO2e (kg)	0.024
Finished output handling	Sheet feed, roll feed, input tray (50 sheet capacity), media bin, automatic horizontal cutter
HP ePrint capability	Yes
Ink drop	6 pl (C, M, Y); 12.6 pl (mK)
Ink types	Pigment-based (C, M, Y, mK)
Internal Storage	None
Line accuracy	±0.1%[2]
Linear scan speed	Up to 3.81 cm/sec (color, 200 dpi), up to 11.43 cm/sec (grayscale, 200 dpi)
Linear scan speed	Up to 1.5 in/sec (color, 200 dpi), up to 4.5 in/sec (grayscale, 200 dpi)
Maximum optical density (black)	15 L* min/1.7 D[3]
Maximum roll diameter	3.9 in
Maximum scan length	7 m[4]
Maximum scan length	23 ft[4]
Media sizes standard (metric rolls)	369 to 914 mm

Media sizes standard (sheets, rolls)	14.5 to 36 in
Media sizes supported	Input tray: A4, A3; Manual feed: A4, A3, A2, A1, A0
Media sizes supported	Input tray: A, B; Manual feed: A, B, C, D, E
Media sizes, custom	Input tray: 210 x 279 to 305 x 457 mm; Manual feed: 210 x 279 to 914 x 1676 mm
Media sizes, custom	Input tray: 8.3 x 11 to 12 x 18 in; Manual feed: 8.3 x 11 to 36 x 66 in
Media thickness	Up to 11.8 mil
Media thickness maximum (metric)	Up to 0.3 mm
Media types	Bond and coated paper (bond, coated, heavyweight coated, plain, bright white, blueprint), technical paper (natural tracing), film (clear, matte, backlit), photographic paper (ID satin, ID gloss), self-adhesive (matte/gloss, polypropylene gloss, removable fabric), banner (polypropylene matte, PVC banner), fine art material (canvas)
Media weight, recommended	60 to 280 g/m² (roll/manual feed); 60 to 220 g/m² (input tray)
Media width, maximum	914 mm
Media width, maximum	36 in
Memory	2 GB
Model size	914 mm
Model size	36 in
Network ready	Standard
Non-Operating Humidity Range	0 to 95% RH
Non-printable area (cut-sheet)	5 x 5 x 5 x 5 mm
Non-printable area (cut-sheet)	0.2 x 0.2 x 0.2 x 0.2 in
Non-printable area (roll media)	5 x 5 x 5 x 5 mm
Non-printable area (roll media)	0.2 x 0.2 x 0.2 x 0.2 in
Number of cartridges	4
Operating altitude	Up to 3000 m
Operating altitude	Up to 9843 ft
Operating humidity range	20 to 80% RH
Operating temperature range	5 to 40°C

Operating temperature range	41 to 104°F
Orderable supplies	HP Original Ink: HP 738 cartridges (Black, Cyan, Magenta, Yellow), and HP 739 printhead
Package dimensions (W x D x H)	1575 x 570 x 650 mm
Package dimensions (W x D x H)	62 x 22.5 x 25.5 in
Package weight	83.5 kg
Package weight	184.1 lb
Playbook TS icon connectivity	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.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	37%
Power	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1.2 A max
Print Cartridge/Bottle, Color(s)	Cyan, magenta, yellow, matte black
Print Cartridges/Bottle, Number	4 (C, M, Y, mK) cartridges
Print Technology	Ink
Print cartridge/bottle volume	300 ml cartridge, 130 ml cartridge
Print head nozzles	1376 per color; 5504 in total
Print heads	1 (C, M, Y, mK)
Print languages	TIFF, JPEG, URF, PDF, HP-GL/2, HP-RTL, CALS G4
Print multi-size files in one click	Yes
Print speed	20 to 30 sec/page on D size
Print speed	25 sec/page on A1, 90 A1 prints per hour[1]
Print speed	25 sec/page for D size, 90 D size 24" x 36" prints per hour[1]
Print technology	HP Thermal Inkjet
Printer drivers included	Raster driver for macOS and Windows, HP Click Driver for Windows 11, HP-GL/2 driver for Windows
Printing path	Wi-Fi Direct, remote printing, HP Click App, HP Click Driver for Windows 11, Apple AirPrint and HP app for Android and iOS devices, Windows and macOS printer drivers, printing support for Chrome OS, print from USB pen drive
Product logos	AirPrint; CE marking; ENERGY STAR; EPEAT green; UL ECOLOGO; IPv6 Ready; Mac; Wi-Fi Certified; Windows 11 Compatible

Production CO2e (kg)	360.42
Recommended media	HP Universal Bond Paper (FSC® certified)[5] (recyclable)[6]; HP Coated Paper (FSC® certified)[5] (recyclable)[6]; HP Heavyweight Coated Paper (FSC® certified)[5] (recyclable)[6]; HP Recycled[6] Removable Adhesive Fabric; HP Opaque Scrim Banner; HP Production Matte Canvas; HP Backlit Polyester Film; HP Universal Instant-dry Gloss Photo Paper(FSC® certified)[5]; HP Universal Instant-dry Satin Photo Paper (FSC® certified)[5]; HP Everyday Matte Polypropylene
Remote print enabled	Yes
Roll external diameter	100 mm
Roll external diameter	3.9 in
Roll maximum input	1
Roll maximum weight	6.2 kg
Roll maximum weight	13.6 lb
Roll size	Up to 36 in
Safety	USA and Canada (CSA certified); EU (RED Directive, EN 62368-1 compliant); Singapore (PSB); China (CCC); Mexico (NYCE); Argentina (IRAM); India (BIS)
Scan resolution, optical	Up to 600 dpi
Scan size, maximum	914 mm x 2.77 m
Scan size, maximum	36 x 109 in
Scan size, minimum	127 x 127 mm
Scan size, minimum	5 x 5 in
Scanner maximum media thickness	Up to 0.8 mm
Scanner maximum media thickness	Up to 0.03 in
Security features	HP Secure Boot, Allowlisting, Security event logging, Disable network ports and protocols, SNMPv3, 802.1x compatibility, TLS/SSL, NTLM v2, HP Web JetAdmin, HP Security Manager, SIEM Integration, FIPS 140-2 (in transit)
Storage temperature range	-25 to 55°C
Storage temperature range	-13 to 131°F
Supported Primary Applications	Banners; Line drawings; Maps; Posters; Presentations; Renderings; Signage
Technology logo 1	https://hp.widen.net/content/wwcqarn55j/png/Publication%20logos_WorksWithAirPrint_AMS_b61fbbae-4069-46cd-8837-3b44c2ad681d.png

Technology logo 2	https://hp.widen.net/content/eai86gsird/png/CE%20Logo_M2615989.png
Technology logo 3	https://hp.widen.net/content/x28kqzpb81/png/Energy%20Logo_M2615019.png
Technology logo 4	https://hp.widen.net/content/f5ulerc8qk/png/Epeat%20Green%20Logo_M2615001.png
Technology logo 5	https://hp.widen.net/content/ksufnuo5go/png/UL%20ecologo%20logo%20v2_M2614990.png
Technology logo 6	https://hp.widen.net/content/zeik9rprw3/png/IPv6%20ready%20logo_M2615047.png
Technology logo 7	https://hp.widen.net/content/9kndnnytsg/png/Mac-OS-Logo_M2615992.png
Technology logo 8	https://hp.widen.net/content/es3jgalfch/png/Wifi%20certified_M2615045.png
Technology logo 9	https://hp.widen.net/content/lujgj0cjeq/png/Win11%20Comp%20Logo_M2615976.png
Theoretical minimum line width	0.02 mm (via raster driver)
Theoretical minimum line width	0.0008 in (via raster driver)
Total CO2e (kg)	413.735 *(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)	31.819
UNSPSC code	43212104
UPC number	196548313235
Web address for additional information	https://www.hp.com/go/designjet-t850-mfp

Services

HP Care Pack Services

★ : Recommended

Graphics Solutions Care Pack Services

HP 1 year Post Warranty Next Business Day Onsite Hardware Support for DesignJet T850 MFP	**U56U6PE ★**
HP Installation and Network Setup Service for Designjet Low End Series	**UC744E ★**
HP 2 year Post Warranty Next Business Day Onsite Hardware Support for DesignJet T850 MFP	U56U7PE
HP Excessive Installation Service DesignJet (NASPO Only)	U46TYE
HP Return to Support Service for DesignJet (Midrange 36 inch)	U67TVE

Ink/Toner/Paper/Printer Supplies

Ink Supplies

★ : Recommended

HP Graphic Arts Inks/Printheads

HP 4287 DesignJet Printhead	7FP50A
HP 738 130-ml Black DesignJet Ink Cartridge	498N4A
HP 738 130-ml Cyan DesignJet Ink Cartridge	498N5A
HP 738 130-ml Magenta DesignJet Ink Cartridge	498N6A
HP 738 130-ml Yellow DesignJet Ink Cartridge	498N7A
HP 738 130-ml Yellow DesignJet Ink Cartridge	A4TL5A
HP 738 300-ml Black DesignJet Ink Cartridge	498N8A
HP 738 300-ml Cyan DesignJet Ink Cartridge	676M6A
HP 738 300-ml Magenta DesignJet Ink Cartridge	676M7A
HP 738 300-ml Yellow DesignJet Ink Cartridge	676M8A
HP 738 300-ml Yellow DesignJet Ink Cartridge	A4TL7A
HP 738B 130-ml Black DesignJet Ink Cartridge	498P2A
HP 738B 300-ml Black DesignJet Ink Cartridge	498P6A
HP 739 DesignJet Printhead Replacement Kit	498N0A

Accessories

Paper Handling

★ : Recommended

Spindles

HP DesignJet 36-in Spindle	B3Q37A

Output Trays and Stackers

HP DesignJet Sheet Organizer	698G7A
HP DesignJet Sheet Organizer and Stacker Kit	698G8A

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