

# HP DesignJet T850 36-in Multifunction Printer



The world's easiest A4/A-A0/E printing experience to maximize your team's agility<sup>1</sup>



\*Product image may differ from actual product

## VERSATILE—Effortless, high-quality results across all formats

- Do it all—print half-size print jobs using the integrated input tray, without manually changing from roll to sheets.
- Achieve high-quality CAD and renders across print sizes with pigment-based HP Flex Tech Inks.
- Stay focused—print A1/D-sized plots in as fast as 25 seconds<sup>2</sup> and experience fewer ink interruptions with 130/300 ml cartridges.
- Simplify scan and copy workflows with personalized one-click shortcuts from the front panel.

## CONNECTED—Secure and seamless collaboration

- Save time with HP Click—print in fewer steps and avoid printing errors with print preview.
- Protect your printer and data from cyberthreats without any effort thanks to HP Wolf Pro Security.
- Share drawings and collaborate with colleagues wherever they are with the easy-to-use front-loading scanner.

## SUSTAINABLE—Save energy<sup>4</sup> and minimize waste<sup>5,6</sup>

- Invest in a compact, robust plotter made with at least 35% recycled plastic.<sup>5</sup>
- Lower energy use by up to 65% with automatic on/off scheduling,<sup>4</sup> and enjoy efficient ink maintenance routines.
- Recycle your HP cartridges through HP's Planet Partners program.<sup>6</sup>

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

<sup>1</sup> 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 D size and half-size 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.

<sup>2</sup> Requires HP app download available at <https://www.hp.com/go/mobileprinting>. Certain features are available in English language only and may vary by printer model/country, and between desktop/mobile applications. HP reserves the right to introduce charges for use of functionality facilitated by the HP app. Internet access required and may not be available in all countries. HP account required for full functionality. List of supported operating systems available in app stores.

<sup>3</sup> 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.

<sup>4</sup> Declared %RCP content is based on the quantity and weight of parts made with RCP resin over the total plastic parts.

<sup>5</sup> Program availability varies. See <https://www.hp.com/go/recycle>

For more information, please visit <https://www.hp.com/go/designjet-t850-mfp>



# Technical specifications

<b>Print</b>	
<b>Print speed</b>	25 sec/page for D size, 90 D size 24" x 36" prints per hour <sup>1</sup>
<b>Print resolution</b>	Up to 2400 x 1200 optimized dpi
<b>Technology</b>	HP Thermal Inkjet
<b>Margins</b>	Roll: 0.2 x 0.2 x 0.2 x 0.2 in Sheet: 0.2 x 0.2 x 0.2 x 0.2 in
<b>Ink types</b>	Pigment-based (C, M, Y, mK)
<b>Print Cartridges, Number</b>	4 (C, M, Y, mK) cartridges
<b>Ink drop</b>	6 pl (C, M, Y); 12.6 pl (mK)
<b>Print cartridge volume</b>	300 ml cartridge, 130 ml cartridge
<b>Printheads</b>	1 (C, M, Y, mK)
<b>Printhead nozzles</b>	1376 per color; 5504 in total
<b>Line accuracy</b>	±0.1% <sup>2</sup>
<b>Minimum line width</b>	0.0008 in (via raster driver)
<b>Max optical density</b>	15 L* min/1.7 D <sup>3</sup>

## Scan and copy

<b>Linear scan speed</b>	Up to 1.5 in/sec (color, 200 dpi), up to 4.5 in/sec (grayscale, 200 dpi)
<b>Scan resolution</b>	Up to 600 dpi
<b>Scan format</b>	JPEG, PDF, TIFF
<b>Scan destinations</b>	Scan to email, network, and USB. Scan to cloud, computer, and mobile through HP app.
<b>Maximum scan width</b>	36 x 109 in
<b>Maximum scan length</b>	23 ft <sup>4</sup>
<b>Technology</b>	Sheetfed, CIS (Contact Image Sensor), media jam detection sensor, front feed scanning method
<b>Copier, reduce enlarge</b>	25 to 400% at 1% increment

## Media

<b>Applications</b>	Banners; Line drawings; Maps; Posters; Presentations; Renderings; Signage
<b>Handling</b>	Sheet feed, roll feed, input tray (50 sheet capacity), media bin, automatic horizontal cutter
<b>Maximum media width</b>	36 in
<b>Media rolls</b>	1
<b>Roll size</b>	14.5 to 36 in
<b>Maximum roll weight</b>	13.6 lb
<b>Maximum roll diameter</b>	3.9 in
<b>Sheet size</b>	Input tray: 8.3 x 11 to 12 x 18 in Manual feed: 8.3 x 11 to 36 x 66 in
<b>Standard media sizes supported</b>	Input tray: A, B Manual feed: A, B, C, D, E

## Media Weight Recommended

## Media thickness (maximum)

<b>Media types</b>	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)
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## Embedded controller

<b>Memory</b>	2 GB
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## Ordering information

<b>Product</b>	
2Y9H2H	HP DesignJet T850 36-in Multifunction Printer
<b>Accessories</b>	
698G7A	HP DesignJet Sheet Organizer
698G8A	HP DesignJet Sheet Organizer and Stacker Kit
B3Q37A	HP DesignJet 36-in Spindle
<b>Original HP printing supplies</b>	
498N0A	HP 739 DesignJet Printhead Replacement Kit
498N4A	HP 738 130-ml Black DesignJet Ink Cartridge
498N5A	HP 738 130-ml Cyan DesignJet Ink Cartridge
498N6A	HP 738 130-ml Magenta DesignJet Ink Cartridge
498N7A	HP 738 130-ml Yellow DesignJet Ink Cartridge
498N8A	HP 738 300-ml Black DesignJet Ink Cartridge
676M6A	HP 738 300-ml Cyan DesignJet Ink Cartridge
676M7A	HP 738 300-ml Magenta DesignJet Ink Cartridge
676M8A	HP 738 300-ml Yellow DesignJet Ink Cartridge

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>

## Specification Footnotes

<sup>1</sup> Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks.

<sup>2</sup> ±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 printing material in Best or Normal mode with HP Heavyweight Coated roll feed and Original HP inks.

<sup>3</sup> With HP Universal Instant Dry Photo Gloss media with Original HP inks.

<sup>4</sup> Scanned at 200 dpi using "Long Plot" setting.

<sup>5</sup> BMG trademark license code FSC®-C115319, see <http://www.fsc.org>. HP trademark license code FSC®-C017543, see <http://www.fsc.org>

<sup>6</sup> Can be recycled through commonly available recycling programs.

<b>Hard disk</b>	None
<b>Native print languages</b>	TIFF, JPEG, URF, PDF, HP-GL/2, HP-RTL, CALS G4

## Connectivity

<b>Interfaces</b>	Gigabit Ethernet (1000Base-T), Wi-Fi 802.11b/g/n
<b>Printing paths</b>	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
<b>Remote print enabled</b>	Yes
<b>One-click multi-size printing</b>	Yes
<b>Drivers</b>	Raster driver for macOS and Windows, HP Click Driver for Windows 11, HP-GL/2 driver for Windows

<b>Security features</b>	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)
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## Dimensions (W x D x H)

<b>Product</b>	55.4 x 27.6 x 38.1 in
<b>Shipping</b>	62 x 22.5 x 25.5 in

## Weight

<b>Product</b>	132.3 lb
<b>Shipping</b>	184.1 lb

## Included

<b>What's in the box</b>	HP DesignJet T850 MFP, printhead, introductory ink cartridges, printer stand, spindle, guide, warranty flyer, power cord
<b>HP Software and solutions</b>	HP Click App, HP Click Driver for Windows 11, HP app for Windows, macOS, Android, and iOS

## Environmental ranges

<b>Operating temperature</b>	41 to 104°F
<b>Operating humidity</b>	20 to 80% RH
<b>Operating altitude</b>	Up to 9843 ft
<b>Storage temperature</b>	-13 to 131°F
<b>Recycled plastic in printer</b>	37%

## Acoustics

<b>Sound pressure</b>	Printing: 42 dB(A) (operating), <16 dB(A) (idle)
<b>Sound power</b>	Printing: 5.8 B(A) (operating), <3.4 B(A) (idle)

## Power

<b>Consumption</b>	35 W (printing), <11 W (ready), <3.5 W (sleep), <0.1 W (off). Auto-scheduled printer on/off usage.
<b>Requirements</b>	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1.2 A max

## Certifications & Compliance

<b>Safety</b>	USA and Canada (CSA certified); EU (RED Directive, EN 62368-1 compliant); Singapore (PSB); China (CCC); Mexico (NYCE); Argentina (IRAM); India (BIS)
<b>Electromagnetic</b>	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)
<b>Environmental</b>	ENERGY STAR, EPEAT, UL ECOLOGO® certified inks, CE marking (including WEEE, RoHS, REACH, ErP). In compliance with applicable WW RoHS materials restriction requirements.
<b>Warranty</b>	2-year limited warranty includes 2 years of parts and on-site service. (Product includes a 1-year basic hardware warranty and an integrated 2 yr Care Pack upgrade, applied concurrently to achieve 2 years of Warranty coverage.) Terms and conditions vary by country. Certain restrictions and exclusions apply.
<b>Country of origin</b>	China(B1K); Thailand(B1K)

## Original HP large format printing materials

HP Universal Bond Paper (FSC® certified) <sup>5</sup> (recyclable) <sup>6</sup>
HP Coated Paper (FSC® certified) <sup>5</sup> (recyclable) <sup>6</sup>
HP Heavyweight Coated Paper (FSC® certified) <sup>5</sup> (recyclable) <sup>6</sup>
HP Recycled <sup>6</sup> Removable Adhesive Fabric
HP Opaque Scrim Banner
HP Production Matte Canvas
HP Backlit Polyester Film
HP Universal Instant-dry Gloss Photo Paper (FSC® certified) <sup>5</sup>
HP Universal Instant-dry Satin Photo Paper (FSC® certified) <sup>5</sup>
HP Everyday Matte Polypropylene

For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://HPLFMedia.com).

## Service and Support

U56S0E HP 3-year Next Business Day HW Support
U56S1E HP 4-year Next Business Day HW Support
U56S2E HP 5-year Next Business Day HW Support

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>

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